

Course Information Management System

Group 2

David Chang
Linda Chowdhury
Oscar Fitinghoff
Patrik Parberg
Tomas Hansson

Contents

Contents.....	2
4 Graphical User Interface	5
4.1 Design of the System.....	5
4.2 Overview of the User Interface	7
4.3 Details of the Graphical User Interface.....	7
4.3.1 Menues	7
Start	7
Personal Page – Logged Out	8
Personal Page – Logged In.....	9
Course Website – Logged Out	10
Course Website – Logged In	11
Course Administration	13
System Administration	15
4.3.2 Start Page.....	15
4.3.3 Personal Page	16
Front Page (News).....	16
Deadlines	17
Results	18
Schedule	19
4.3.4 Course Website	20
Front Page (News).....	20
Assignments	21
Apply for Course	21
Apply Confirmation	22
Deadlines	23
Course Description	24
Files	25
Information Pages	25
Results	26
Schedule	27
4.3.5 Course Administration Pages	28
Scheduled Activities.....	28
Add Activity Preview	29
Add Activity Confirmation	30
Edit Activity	30
Edit Activity Preview	31
Activity Edited Confirmation.....	32
Confirm Removal of Activity	32
Activity Removed Confirmation.....	33
Imported Schedule Confirmation	33
Confirm Remove Schedule	34
Remove Schedule Confirmation	34
Assignments	35
Add Assignment Preview	36
Add Assignment Confirmation	37
Edit Assignment	38
Edit Assignment Preview	39
Edit Assignment Confirmation.....	40

Confirm Remove Assignment	40
Remove Assignment Confirmation	41
Course Assistants	41
Confirm Add Course Assistant	42
Add Course Assistant Confirmation	42
Confirm Remove Course Assistant	43
Remove Course Assistant Confirmation	43
Edit Course Description	44
Edit Course Description Confirmation	45
Create Course Website – Create Description	46
Create Course Website – Import Schedule	47
Create Course Website – Import Schedule Confirmation	48
Create Course Website –Add Information Pages	49
Create Course Website – Add Information Pages Preview	50
Create Course Website – Add Information Pages Confirmation	50
Create Course Website – Add Deadlines	51
Create Course Website – Add Deadlines Preview	52
Create Course Website – Add Deadlines Confirmation	52
Create Course Website Summary	53
Create Course Website Confirmation	54
Deadlines	54
Add Deadline Preview	55
Add Deadline Confirmation	56
Edit Deadlines	56
Edit Deadline Preview	57
Edit Deadline Confirmation	58
Confirm Deadline Removal	58
Deadline Removal Confirmation	59
Information Pages	60
Add Information Page Preview	61
Add Information Page Confirmation	61
Edit Information Page	62
Edit Existing Information Page Preview	63
Information Page Edited Confirmation	64
Confirm Removal of Information Page	64
Information Page Removed Confirmation	65
News	66
Add News Preview	67
Add News Confirmation	67
Edit News	68
Edit Existing News Preview	69
News Edited Confirmation	69
Confirm Removal of News	70
News Removed Confirmation	70
Registrations	71
Verified Registrations Confirmation	72
Confirm Removal of Student Registration	72
Student Registration Removed Confirmation	73
Register Results	73
Results Registered Confirmation	74

Files	75
Add File Confirmation	76
Edit File	76
Edit File Confirmation	77
Confirm Remove File	77
Remove File Confirmation	78
4.3.6 System Administration Pages.....	79
Courses	79
Course Added Confirmation	79
Existing Courses List	80
Edit Existing Course.....	80
Course Edited Confirmation.....	81
Users.....	82
Add User Confirmation	83
Existing Users	83
Edit Password	84
Edit Password Confirmation	84
Edit User Privileges.....	85
Edit User Privileges – Course Privileges – Find Course.....	86
Edit User Privileges – Course Privileges – Select Course	86
Confirm Edit User Privileges	87
Edit User Privileges Confirmation	87
Confirm User Removal	88
User Removal Confirmation	88

4 Graphical User Interface

4.1 Design of the System

The overall design of the system is described by the figure below, where there are four major categories; Course Administration, Personal Page, System Administration and Course Website, which are represented by the rounded shadowed rectangles. The webpages in each category is represented by rounded rectangles and an element of a webpage is represented by a rectangle, e.g. “Export into iCalendar format” is an element of the Schedule webpage.

When accessing the Personal Page and the Course Website the default page is the News webpage. The default page when accessing the Registration webpage, in the category Course Administration, is View Registered Students page.

The design of the system has been centered around the so called Personal Page. The personal page will provide logged in users with access to the features their user privileges allow, such as viewing ones results if they are a student, or administrating of course websites if they are a course leader.

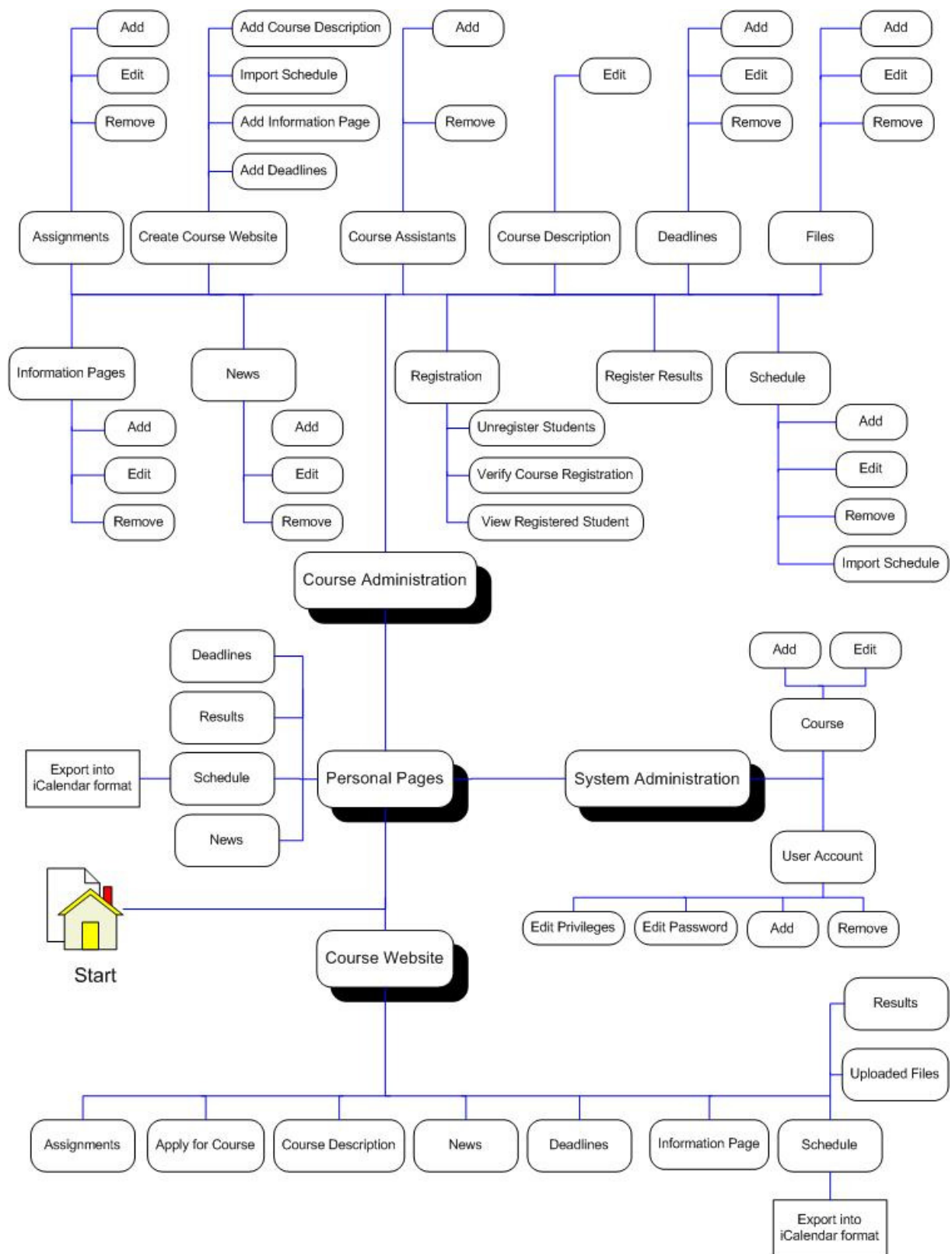
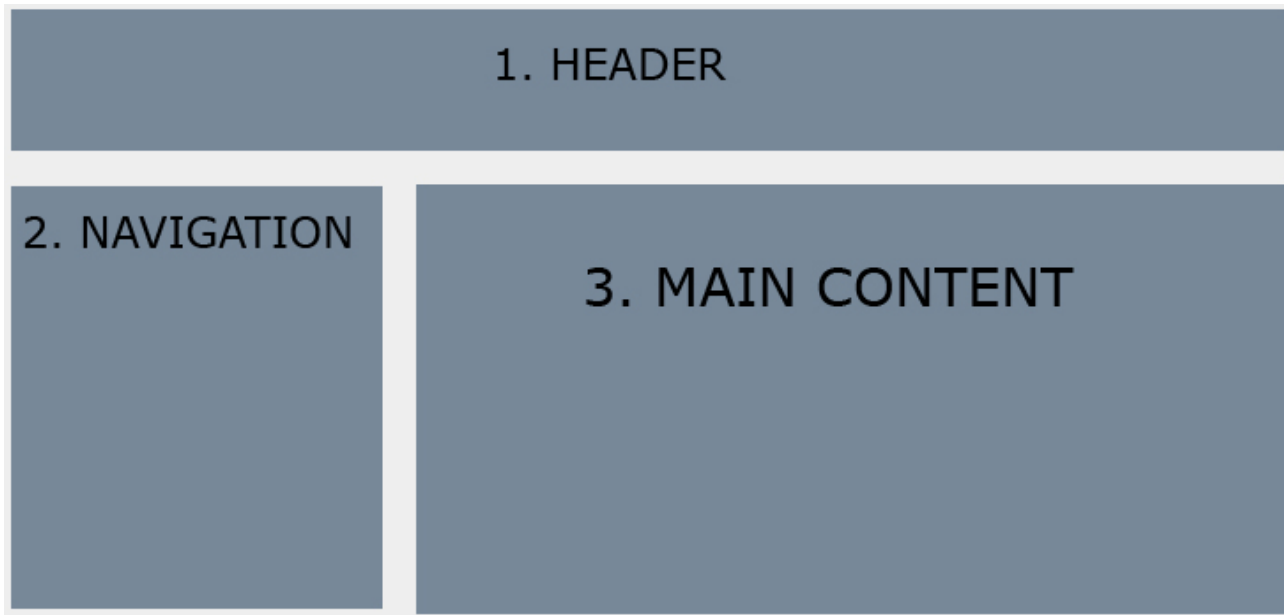


Figure 1 describes the overall design of the system.

4.2 Overview of the User Interface



The graphical user interface (GUI) is divided into three sections:

1. The header (at the top), with the name of the system.
2. To the left, the navigation menu (listing of links). The content of the navigation menu will depend on the status of the user (whether the user is logged in or not, and what privileges the user is assigned). The menu available to users when logged in will remain mostly the same as they navigate to different parts of the system, and they'll have quick access to both functions related to the current page they're at, and at the same time be able to navigate to other parts of the system. Also, login/logout-related objects will be placed at the top of the navigation menu.
3. To the right, the main content is displayed. The page displayed in this section will correspond to the part of the system being used by the user.

General notes:

Users who are not logged in will still be able to access their, and others, personal page. When not logged in the menu items available are more limited, such as that one can't view results unless logged in, and they will not "follow" the user as they navigate to different parts of the system.

4.3 Details of the Graphical User Interface

4.3.1 Menues

Start

A screenshot of a login form. It has a light purple background. There are three elements: a text input field labeled 'Username:' with a small '1' to its right, a text input field labeled 'Password:' with a small '2' to its right, and a button labeled 'Log in' with a small '3' to its right.

Functional Requirements:

1.1

Controls:

1. txtUsername – textfield to get username from user.
2. txtPassword – textfield to get password from user.
3. btnLogin – Button to start the login procedure by invoking the authenticate method.

Methods:

authenticate – Validates the provided username/password combination against what is stored in the database.

Personal Page – Logged Out

Functional Requirements:

1.1
2.2
2.3
7.4
8.3

Controls:

1. txtUsername – textfield to get username from user.
2. txtPassword – textfield to get password from user.
3. btnLogin – Button to start the login procedure by invoking the authenticate method.
4. lnkCourseNews – Redirects the user to the news overview page.
5. lnkSchedule – Redirects the user to the compiled schedule page.
6. lnkDeadlines – Redirects the user to the deadlines overview page.
7. lnkCourse1 – Redirects the user to the specific course website.

Methods:

authenticate – Validates the provided username/password combination against what is stored in the database.

Personal Page – Logged In

Log out	1
<hr/>	
Personal Links	
Course News	2
Schedule	3
Deadlines	4
Results	5
<hr/>	
Courses	
Software Engineering	6
Digital Design	7
Logic	8
Linear Algebra	9

Functional Requirements:

2.3
7.4
8.3
11.2

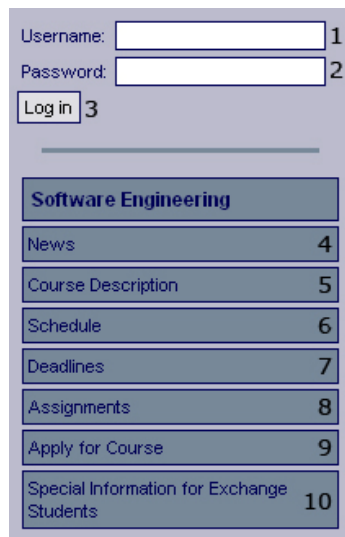
Controls:

1. InkLogOut – Invokes the logout method.
2. InkCourseNews – Redirects the user to the news overview page.
3. InkSchedule – Redirects the user to the compiled schedule page.
4. InkDeadlines – Redirects the user to the deadlines overview page.
5. InkResults – Redirects the user to the results page.
6. InkCourse1 – Redirects the user to the specific course website.
7. InkCourse2 – Redirects the user to the specific course website.
8. InkCourse3 – Redirects the user to the specific course website.
9. InkCourse4 – Redirects the user to the specific course website.

Methods:

Logout – Logs out the user.

Course Website – Logged Out



Username: 1

Password: 2

3

Software Engineering

News 4

Course Description 5

Schedule 6

Deadlines 7

Assignments 8

Apply for Course 9

Special Information for Exchange Students 10

Functional Requirements:

- 1.1
- 4.2
- 5.2
- 6.2
- 7.3
- 8.2
- 10.2
- 12.3

Controls:

- 1. txtUsername – textfield to get username from user.
- 2. txtPassword – textfield to get password from user.
- 3. btnLogin – Button to start the login procedure by invoking the authenticate method.
- 4. lnkNews – Redirects the user to the news page for the specific course.
- 5. lnkDescription – Redirects the user to the description page for the specific course.
- 6. lnkSchedule – Redirects the user to the schedule page for the specific course.
- 7. lnkDeadlines – Redirects the user to the deadline page for the specific course.
- 8. lnkAssignments – Redirects the user to the assignment page for the specific course.
- 9. lnkApply – Redirects the user to the apply page for the specific course.
- 10. lnkInformationPage – Redirects the user to a information page for the specific course.

Methods:

authenticate – Validates the provided username/password combination against what is stored in the database.

Course Website – Logged In

Log out	1
<hr/>	
Software Engineering	
News	2
Course Description	3
Schedule	4
Deadlines	5
Assignments	6
Uploaded Files	7
Results	8
Special Information for Exchange Students	9
<hr/>	
Personal Links	
Course News	10
Schedule	11
Deadlines	12
Results	13
<hr/>	
Courses	
Software Engineering	14
Digital Design	15
Logic	16
Linear Algebra	17

Functional Requirements:

2.3
4.2
5.2
6.2
7.3
7.4
8.2
9.2
10.2
11.2
12.3

Controls:

1. InkLogOut – Invokes the logout method.
2. InkNews – Redirects the user to the news page for the specific course.
3. InkDescription – Redirects the user to the description page for the specific course.
4. InkSchedule – Redirects the user to the schedule page for the specific course.
5. InkDeadlines – Redirects the user to the deadline page for the specific course.
6. InkAssignments – Redirects the user to the assignment page for the specific course.

7. InkUploadedFiles – Redirects the user to the upload files page for the course.
8. InkApply – Redirects the user to the apply page for the specific course.
9. InkInformationPage – Redirects the user to a information page for the specific course.
10. InkAllNews – Redirects the user to the news overview page.
11. InkAllSchedule – Redirects the user to the compiled schedule page.
12. InkAllDeadlines – Redirects the user to the deadlines overview page.
13. InkAllResults – Redirects the user to the results page.
14. InkCourse1 – Redirects the user to the specific course website.
15. InkCourse2 – Redirects the user to the specific course website.
16. InkCourse3 – Redirects the user to the specific course website.
17. InkCourse4 – Redirects the user to the specific course website.

Methods:

logout – Logs out the user.

Course Administration

Log out	1
<hr/>	
Software Engineering	
News	2
Course Description	3
Schedule	4
Deadlines	5
Assignments	6
Uploaded Files	7
Apply for Course	8
Special Information for Exchange Students	9
Course Leader Links	
Assignments	10
Course Assistants	11
Course Description	12
Deadlines	13
Information Pages	14
Files	15
News	16
Registration	17
Results	18
Schedule	19
<hr/>	
Personal Links	
Course News	20
Schedule	21
Deadlines	22
<hr/>	
Courses	
Software Engineering	23

Functional Requirements:

- 2.3
- 4.1
- 4.2
- 5.1
- 5.2
- 6.1
- 6.2
- 7.2
- 7.3
- 7.4
- 8.1

8.2
8.3
9.1
9.2
10.1
10.2
11.1
12.1
12.2
12.3
12.4
13.2

Controls:

1. InkLogOut – Invokes the logout method.
2. InkNews – Redirects the user to the news page for the specific course.
3. InkDescription – Redirects the user to the description page for the specific course.
4. InkSchedule – Redirects the user to the schedule page for the specific course.
5. InkDeadlines – Redirects the user to the deadline page for the specific course.
6. InkAssignments – Redirects the user to the assignment page for the specific course.
7. InkUploadedFiles – Redirects the user to the upload files page for the course.
8. InkApply – Redirects the user to the apply page for the specific course.
9. InkInformationPage – Redirects the user to a information page for the specific course.
10. InkManageAssignment – Redirects the user to the manage assignment page for the specific course.
11. InkManageCourseAssistant – Redirects the user to the manage course assistant page for the specific course.
12. InkManageDescription – Redirects the user to the manage description page for the specific course.
13. InkManageDeadline – Redirects the user to the manage deadlines page for the specific course.
14. InkManageInformationPage – Redirects the user to the manage information page for the specific course.
15. InkManageFile – Redirects the user to the manage file page for the specific course.
16. InkManageNews – Redirects the user to the manage news page for the specific course.
17. InkManageRegistration – Redirects the user to the manage registration page for the specific course.
18. InkManageResults – Redirects the user to the mange results page for the specific course.
19. InkManageSchedule – Redirects the user to the manage schedule page for the specific course.
20. InkAllNews – Redirects the user to the news overview page.
21. InkAllSchedule – Redirects the user to the compiled schedule page.
22. InkAllDeadlines – Redirects the user to the deadlines overview page.
23. InkCourse1 – Redirects the user to the specific course website.

Methods:

logout – Logs out the user.

System Administration



A vertical menu with four items: 'Log out' with a small square icon to its right, 'System Administrator' with a small square icon to its right, 'Courses' with a small square icon to its right, and 'Users' with a small square icon to its right. Each item is enclosed in a light blue box with a thin border.

Functional Requirements:

13.1
13.3
13.4

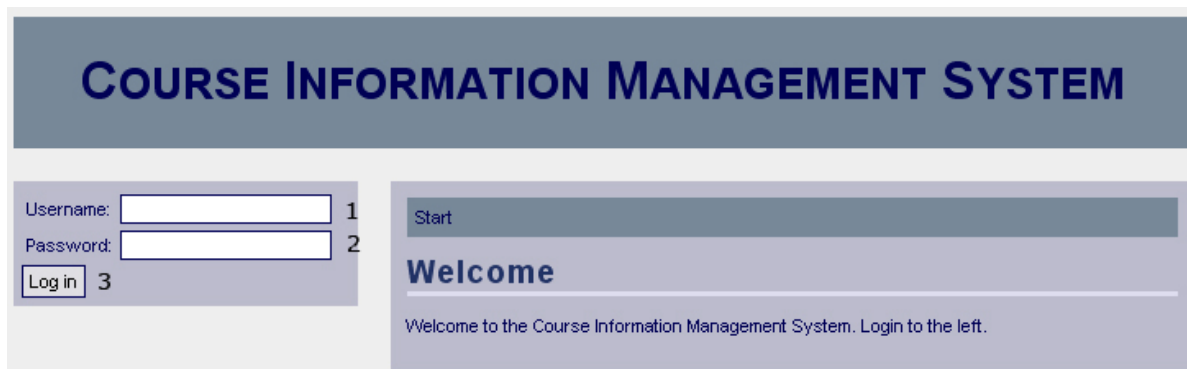
Controls:

1. InkLogOut – Invokes the logout method.
2. InkAddCourse – Redirects the user to the add course page.
3. InkAddUser – Redirects the user to the add user page.

Methods:

logout – Logs out the user.

4.3.2 Start Page



The start page features a dark blue header with the text 'COURSE INFORMATION MANAGEMENT SYSTEM' in white. Below the header, on the left, is a login form with three controls: a 'Username:' label followed by a text input field (labeled 1), a 'Password:' label followed by a text input field (labeled 2), and a 'Log in' button (labeled 3). On the right, there is a 'Start' button at the top, followed by a 'Welcome' heading, and a paragraph of text: 'Welcome to the Course Information Management System. Login to the left.'

Functional requirements:

1.1

Controls:

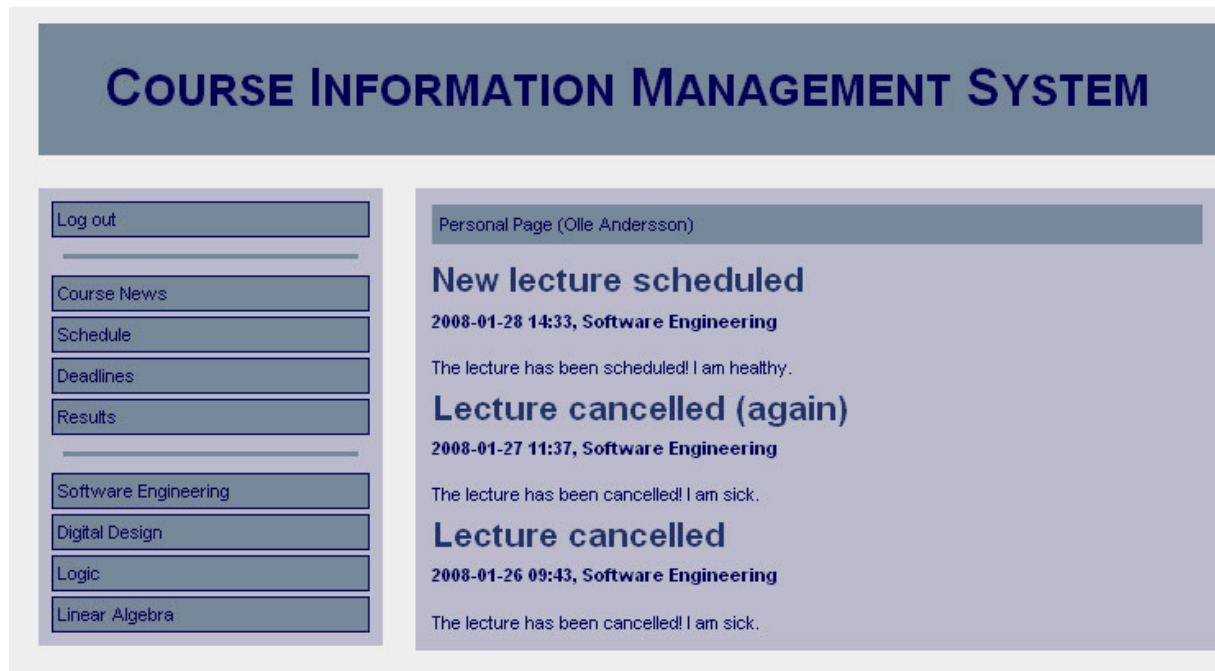
1. txtUsername – The username the system uses to recognize the user.
2. txtPassword – The password connected username mentioned above.
3. btnLogin – Invokes the authenticate method.

Methods:

authenticate – Creates a user session if the username-password combination is correct.

4.3.3 Personal Page

Front Page (News)



Functional Requirements

- 2.1
- 2.2
- 2.3

Controls

None

Methods

printCompiledNews – Prints compiled news from all courses the student is enrolled in.

Deadlines

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Log in

Personal Links

Course News

Schedule

Deadlines

Courses

Software Engineering

Digital Design

Logic

Linear Algebra

Personal Page (Olle Andersson) / Deadlines

POD Reviews

Software Engineering

20th November, 2007

You will review the Project Overview Documents for 3 other groups. These reviews will not be anonymous – you must stand for what you say. You will be provided with a review form to be filled out for each POD that you review. You will then send a copy of each review to the respective project coordinators of the PODs you review and one copy of all three reviews to me. You will find details here.

Homework 4

Logic

22nd November, 2007

Exercises in natural deduction (3.18, 3.21 and 3.23) shall be handed in.

Use Cases

Software Engineering

27th November, 2007

You will review the requirements and use cases for 2 other groups. As in the POD reviews, these reviews will not be anonymous. You will be provided with a review form to be filled out for each set of requirements and use cases that you review. You will then send a copy of each review to the respective project coordinators and one copy of all three reviews to me. You will find details here.

Essay 4

Human Computer Interaction

1st December, 2007

Deadline for the essay on the topic of heuristical reviews.

Use Case Reviews

Software Engineering

4th December, 2007

You will turn in a complete description of the functional and non-functional requirements for your project as well as a complete set of use cases.

Functional Requirements

2.2

8.3

Controls

None

Methods

printOverviewDeadlines – Prints all relevant deadlines from all the courses the student is enrolled in.

Results

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with navigation links: 'Log out', 'Personal Links', 'Course News', 'Schedule', 'Deadlines', 'Results', 'Courses', and 'Software Engineering'. The main content area is titled 'Personal Page (Olle Andersson) / Results' and contains a table of the user's academic performance.

Date	Course	Assignment	Grade
1st October, 2007	Human Computer Interaction	Essay 1	A
10th October, 2007	Human Computer Interaction	Essay 2	B
21st October, 2007	Digital Design	Laboration 2	P
28th October, 2007	Human Computer Interaction	Essay 3	C
1st November, 2007	Software Engineering	POD	A
20th November, 2007	Logic	Homework 1	P
3rd December, 2007	Software Engineering	Use Cases	A

Functional Requirements

2.2
11.2

Controls

None

Methods

printResults – Prints all results assigned to the course assignments from all the courses the student is enrolled in.

Schedule

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Log in

Personal Links

Course News

Schedule

Deadlines

Courses

Software Engineering

Digital Design

Logic

Linear Algebra

Personal Page (Olle Andersson) / Schedule

Monday (1 Dec)	Tuesday (2 Dec)	Wednesday (3 Dec)	Thursday (4 Dec)	Friday (5 Dec)
<div>08.00-10.00 Digital Design Recitation, Kista</div>			<div>08.00-10.00 Software Engineering Lecture, E1</div>	<div>8.00-10.00 Digital Design Lecture, M1</div>
	<div>10.00-12.00 Software Engineering Lecture, D1</div>	<div>10.00-12.00 Software Engineering Lecture, D1</div>		<div>10.00-12.00 Logic Recitation, D33</div>
<div>13.00-15.00 Logic Lecture, E1</div>	<div>13.00-15.00 Logic Recitation, E1</div>		<div>13.00-15.00 Logic Lecture, Q1</div>	<div>13.00-15.00 Software Engineering Lecture, D1</div>
<div>15.00-17.00 Software Engineering Lecture, E1</div>			<div>15.00-17.00 Digital Design Recitation, Kista</div>	

Export this schedule to iCalendar format

Functional Requirements

2.2

7.4

7.5

Controls

None

Methods

printCompiledSchedule – Prints the compiled schedule where activities, from all courses the student is enrolled in, are included.

exportCompiledSchedule – Exports the compiled schedule into iCalendar format.

4.3.4 Course Website

Front Page (News)

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a login section (Username, Password, Log in button) and a list of menu items: Software Engineering, News, Course Description, Schedule, Deadlines, Assignments, and Uploaded Files. The main content area is titled "Software Engineering / News" and displays three news items:

- New lecture scheduled**
2008-01-28 14:33, Software Engineering
The lecture has been scheduled! I am healthy.
- Lecture cancelled (again)**
2008-01-27 11:37, Software Engineering
The lecture has been cancelled! I am sick.
- Lecture cancelled**
2008-01-26 09:43, Software Engineering
The lecture has been cancelled! I am sick.

Functional Requirements

5.2

Controls

None

Methods

printNews – Prints all news for the course.

Assignments

The screenshot shows the 'Assignments' page of the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a login section (Username, Password, Log in) and a menu with links: Software Engineering, News, Course Description, Schedule, Deadlines, Assignments, Uploaded Files, Apply for Course, and Special Information for Exchange Students. The main content area has a header 'Software Engineering / Assignments' and a paragraph stating that the following are graded assignments. It lists two items: 'POD' and 'Use Cases'. Below this, the 'POD' section explains its purpose and provides detailed instructions. The 'Use Cases' section explains its purpose and provides instructions.

COURSE INFORMATION MANAGEMENT SYSTEM

Username:
Password:

Software Engineering
News
Course Description
Schedule
Deadlines
Assignments
Uploaded Files
Apply for Course
Special Information for Exchange Students

Software Engineering / Assignments

The following are the graded assignments that you need to complete to finish the course.

- POD
- Use Cases

POD

The purpose of the POD is to give an introductory overview of the project. After reading this fairly brief document, the reader should have an idea of: 1. Who are the users and what problem does the system solve for them? 2. The main uses of the system. 3. The context/environment in which the system is to be used. 4. The scope of the system. 5. The main factors that need to be taken in to account when designing and building the system. 6. Technologies and Risks It should be between 3 and 5 pages in length and contain 6 sections corresponding to the 6 points listed above. In Section 2, you must include at least 2 usage narratives in addition to a general description of the main uses of the system. A usage narrative is a situated example of the use of the system. It is a brief paragraph in which you invent a fictional but specific actor and briefly capture the mental state of that person – why he wants what he wants or what conditions drive him to act as he does. Capture how the world works in that particular case, from the start of the situation to the end. These narratives should give the reader a good general idea of what the system is about. Here is an example of a usage narrative for the famous Automated Teller Machine (Bankomat) – ATM – example:

Use Cases

You will turn in a complete description of the functional and non-functional requirements for your project as well as a complete set of use cases.

Functional Requirements

10.2

Controls

None

Methods

printCourseAssignments – Prints all assignments from the course in question.

Apply for Course

The screenshot shows the 'Apply for Course' page of the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu with links: News, Course Description, Schedule, Deadlines, Apply for Course, Course News, and Course Details. The main content area has a header 'Software Engineering / Apply' and a section titled 'Apply for Course'. It contains a confirmation message and an 'Apply' button with a '1' next to it.

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering / Apply

Apply for Course

Are you sure you would like to apply for this course?
After you have been applied for the course the course will show up on your page.

1

Functional Requirements

12.3

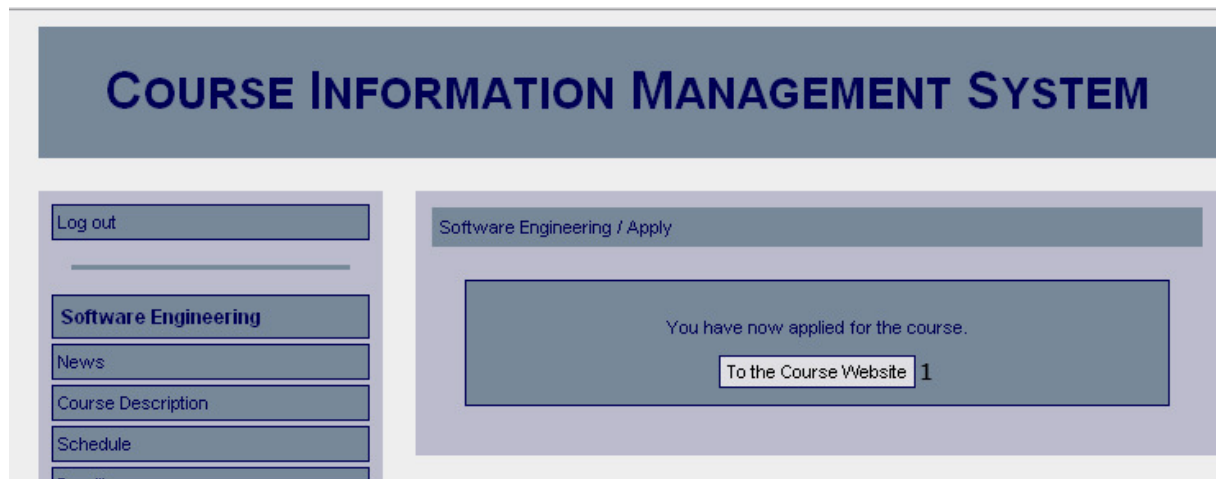
Controls

1. Apply – Button to confirm applying to a course.

Methods

applyForCourse – Updates the student's status for the course in question to reflect the student applying for the course.

Apply Confirmation



Functional Requirements

12.3

Controls

1. btnCourseWebsite – Redirects the user to the course website.

Methods

None

Deadlines

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Log in

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange

Software Engineering / Deadlines

POD Reviews20th November, 2007

You will review the Project Overview Documents for 3 other groups. These reviews will not be anonymous – you must stand for what you say. You will be provided with a review form to be filled out for each POD that you review. You will then send a copy of each review to the respective project coordinators of the PODs you review and one copy of all three reviews to me. You will find details here.

Use Cases27th November, 2007

You will review the requirements and use cases for 2 other groups. As in the POD reviews, these reviews will not be anonymous. You will be provided with a review form to be filled out for each set of requirements and use cases that you review. You will then send a copy of each review to the respective project coordinators and one copy of all three reviews to me. You will find details here.

Use Case Reviews4th December, 2007

You will turn in a complete description of the functional and non-functional requirements for your project as well as a complete set of use cases.

Functional Requirements

8.2

Controls

None

Methods

printDeadlines – Prints all the current deadlines for the course in question.

Course Description

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Software Engineering / Course Description

Course Code: DD1363

Credits: 7,5

Begins in period: 2007, 1

Ends in period: 2008, 4

Second course in computer science giving theoretical knowledge and practical experience of working in a program development project.

Goals

After attending this course, the student is expected to be able to:

- describe a broad range of software engineering techniques, processes and methodologies that have been developed over the past 30 years,
- perform requirements analysis and formulation, system architecture and design, system implementation, and system testing,
- evaluate the applicability of a particular software engineering technique, process or methodology to a given project from both a technical and financial perspective,
- use a variety of tools (both commercial and academic) that can be used to design and implement software systems,
- evaluate whether a specific software engineering tool is technically and economically viable for a given project,
- find information in the main sources of information regarding software engineering technology,
- be effective in both oral and written technical communication,

Functional Requirements

4.2

Controls

None

Methods

printCourseDescription – Prints the description of the course

Files

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Software Engineering / Uploaded Files

File	Date	Size
PowerPoint from Lecture 1	3rd November, 2007	501 kb
PowerPoint from Lecture 2	10th November, 2007	437 kb
PowerPoint from Lecture 3	17th November, 2007	358 kb
Extra Material on Use Cases	24th November, 2007	603 kb
PowerPoint from Lecture 4	1st December, 2007	920 kb
PowerPoint from Lecture 5	10th December, 2007	899 kb

Functional Requirements

9.2

Controls

None

Methods

viewFile – Gives a view of the selected file.

printFile – Prints the selected file.

saveFile – Saves the selected file to a specified directory.

Information Pages

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Log in

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Software Engineering / Special Information for Exchange Students

Special Information for Exchange Students

Exchange students need to go to the support office to get their user accounts as soon as possible! Below is a long list of things that need to be done to during the course if you can't get a user account.

- Long
- list
- of
- long
- things
- to
- do

Functional Requirements

6.2

Controls

None

Methods

printInformationPage – prints the information for the course.

Results

COURSE INFORMATION MANAGEMENT SYSTEM		
Log out	Software Engineering / Results	
Software Engineering	Date	Assignment
News	1st November, 2007	POD
Course Description	3rd December, 2007	Use Cases
Schedule		Grade
		A
		A

Functional Requirements

11.2

Controls

None

Methods

printCourseResults – Prints all results assigned to the course assignments from the course in question.

Schedule

COURSE INFORMATION MANAGEMENT SYSTEM

Username:

Password:

Log in

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Software Engineering / Schedule

Monday (1 Dec)	Tuesday (2 Dec)	Wednesday (3 Dec)	Thursday (4 Dec)	Friday (5 Dec)
			08.00-10.00 Lecture, E1	
	10.00-12.00 Lecture, D1	10.00-12.00 Lecture, D1		
				13.00-15.00 Lecture, D1
15.00-17.00 Lecture, E1				

Export this schedule to iCalendar format

Functional Requirements

7.3

7.5

Controls

None

Methods

printSchedule – Prints the schedule for the course.

4.3.5 Course Administration Pages

Scheduled Activities

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Course Administrator / Schedule

Add Activity

Title:

1

Begin:

01

▼

January

▼

2007

▼

00

▼

00

▼

2

3

4

5

6

End:

01

▼

January

▼

2007

▼

00

▼

00

▼

7

8

9

10

11

Description:

12

Preview

13

Import Schedule

iCalendar file:

Bläddra...

15

14

Import

16

Edit Existing Activity

Title	Date	Begin	End		
Lecture, E1	1st December, 2007	15:00	17:00	Edit	Remove
Lecture, D1	2nd December, 2007	10:00	12:00	Edit	Remove
Lecture, D1	3rd December, 2007	10:00	12:00	Edit	Remove
Lecture, E1	4th December, 2007	08:00	10:00	Edit	Remove
Lecture, D1	5th December, 2007	13:00	15:00	Edit	Remove

Functional Requirements

7.1

7.2

Controls

1. txtActivityTitle – The title of the activity.
2. drpBeginDay – The day the activity starts.
3. drpBeginMonth – The month the activity starts.
4. drpBeginYear – The year the activity starts.
5. drpBeginHour – The hour the activity starts.
6. drpBeginMinute – The minute the activity starts.
7. drpEndDay – The day the activity ends.

8. drpEndMonth – The month the activity ends.
9. drpEndYear – The year the activity ends.
10. drpEndHour – The hour the activity ends.
11. drpEndMinute – The minute the activity ends.
12. txtActivityDescription – The description of the activity.
13. btnPreviewActivity – Shows a preview of the activity with provided information.
14. txtiCalFileLoc – The location of the iCal file.
15. btnBrowseFiles – A graphic alternative to control 14 which lets the user navigate through local files.
16. btnImportSchedule – Invokes the method importSchedule.

Methods

importSchedule – Uploads the provided iCal schedule to the file system.

Add Activity Preview

The screenshot shows a web application interface for a 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of navigation links: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', and 'Uploaded Files'. The main content area has a breadcrumb trail 'Course Administrator / Schedule / Add Activity'. Below this is a form for adding an activity. The form contains the following fields and values:

Title:	Lecture, D1
Begin:	15.00, 1st December, 2007
End:	17.00, 1st December, 2007
Description:	

At the bottom right of the form are two buttons: 'Back' and 'Save'. Below these buttons are the numbers '1' and '2'.

Functional Requirements

7.2

Controls

1. btnBack – Returns the user to the previous page.
2. btnAddActivity - Invokes the method addActivity.

Methods

addActivity – Adds the activity with the provided information to the database.

Add Activity Confirmation

The screenshot shows the 'Add Activity Confirmation' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Activities / Add Activity'. A confirmation message states: 'The activity **Lecture, E1** at 10.00-12.00 2nd December, 2007 has been added.' Below the message is a button labeled 'Add Another Activity' with a small '1' next to it.

Functional Requirements

7.2

Controls

1. btnAddActivity – Redirects the user to the add activity page.

Methods

None

Edit Activity

The screenshot shows the 'Edit Activity' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', and 'Special Information for Exchange Students'. The main content area has a breadcrumb trail 'Course Administrator / Schedule / Edit Existing Activity / Edit Activity'. The title is 'Edit Activity'. The form fields are: 'Title:' with a text box containing 'Lecture, E1' and a small '1' next to it; 'Begin:' with a date and time picker showing '02 December 2007 10:00'; 'End:' with a date and time picker showing '02 December 2007 12:00'; and 'Description:' with a large text area. A 'Preview' button is at the bottom right. The page is annotated with numbers 1 through 13.

Functional Requirements

7.2

Controls

1. txtActivityTitle – The title of the activity.
2. drpBeginDay – The day the activity starts.
3. drpBeginMonth – The month the activity starts.
4. drpBeginYear – The year the activity starts.
5. drpBeginHour – The hour the activity starts.
6. drpBeginMinute – The minute the activity starts.
7. drpEndDay – The day the activity ends.
8. drpEndMonth – The month the activity ends.
9. drpEndYear – The year the activity ends.
10. drpEndHour – The hour the activity ends.
11. drpEndMinute – The minute the activity ends.
12. txtActivityDescription – The description of the activity.
13. btnPreviewEditedActivity – Shows a preview of the edited activity.

Methods

None

Edit Activity Preview

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', and 'Uploaded Files'. The main content area has a breadcrumb trail 'Course Administrator / Schedule / Edit Existing Activity'. Below this is a form titled 'Edit Existing Activity' with the following fields: 'Title' (Lecture, D1), 'Begin' (15.00, 1st December, 2007), 'End' (17.00, 1st December, 2007), and 'Description'. At the bottom of the form are 'Back' and 'Save' buttons, with the numbers '1' and '2' positioned below them respectively.

Functional Requirements

7.2

Controls

1. btnBack – Returns the user to the previous page
2. btnEditActivity – Invokes the method editActivity.

Methods

editActivity – Updates the activity in the database, with the information provided.

Activity Edited Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Schedule / Edit Existing Activity / Edit Activity'. Below this, a message box states: 'The activity **Lecture, E1** at 10.00-12.00 2nd December, 2007 has been changed.' At the bottom of the message box is a button labeled 'Edit Another Activity' followed by the number '1'.

Functional Requirements

7.2

Controls

1. btnEditAnotherActivity – Redirects the user to the Scheduled activities page.

Methods

None

Confirm Removal of Activity

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. The sidebar is identical to the previous page, but the menu items are 'Software Engineering', 'News', 'Course Description', 'Schedule', 'Deadlines', and 'Assignments'. The breadcrumb trail is: 'Course Administrator / Schedule / Edit Existing Activity / Remove Activity'. The main content area contains a message box asking: 'Are you sure that you would like to remove the activity **Lecture, E1** at 10.00-12.00 2nd December, 2007?'. At the bottom of the message box is a button labeled 'Confirm' followed by the number '1'.

Functional Requirements

7.2

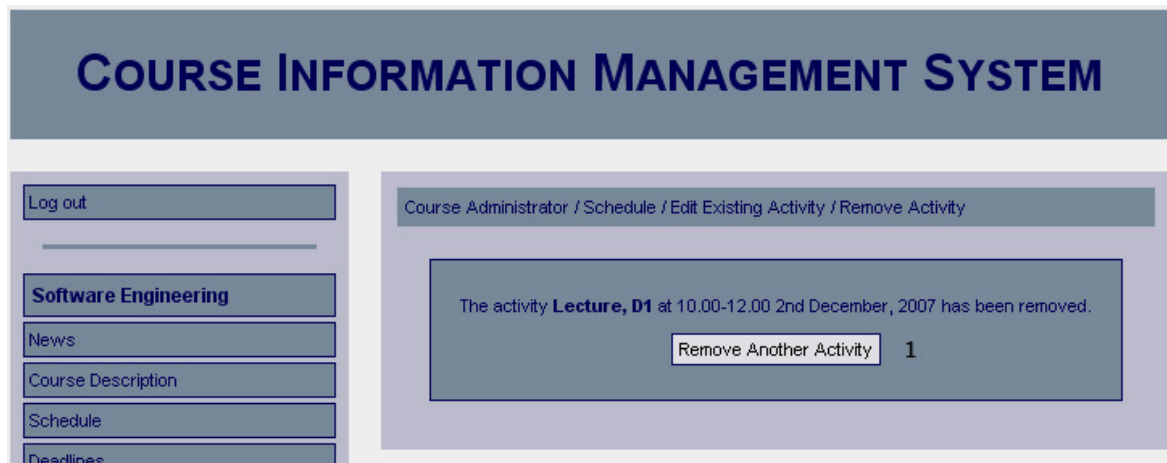
Controls

1. btnConfirmActivityRemoval - Invokes removeActivity.

Methods

removeActivity – Removes the scheduled activity from the database.

Activity Removed Confirmation



Functional Requirements

7.2

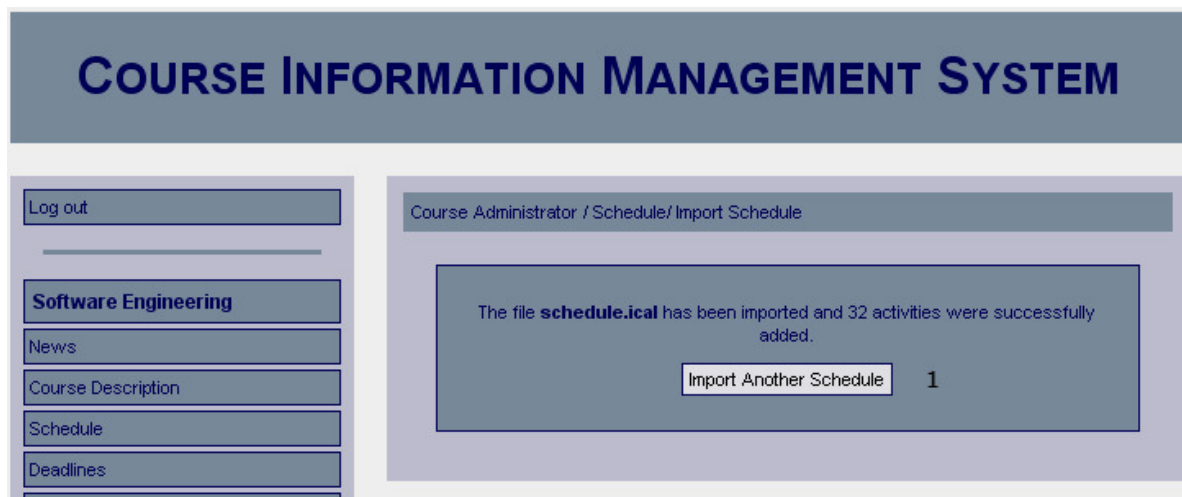
Controls

btnRemoveAnotherActivity – Redirects the user to the Scheduled activities page.

Methods

None

Imported Schedule Confirmation



Functional Requirements

7.1

Controls

1. btnImportAnotherSchedule – Redirects the user to the Scheduled activities page.

Methods

None

Confirm Remove Schedule

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Schedule / Remove Schedule'. Below this, a confirmation box asks 'Are you sure that you would like to remove the entire schedule?' with a 'Confirm' button and a red '1' indicating an error or warning.

Functional Requirements

7.1

Controls

1. btnConfirmRemoveSchedule – Confirms that the schedule should be removed.

Methods

None

Remove Schedule Confirmation

This screenshot shows the 'Remove Schedule Confirmation' page. The layout is identical to the previous one, with the same sidebar and breadcrumb trail. However, the confirmation box now displays the message 'The entire schedule has been removed.' and features an 'Administrate the Schedule' button (note the spelling) and a red '1'.

Functional Requirements

7.1

Controls

1. btnAdministrateSchedule – Redirects the user to the schedule page.

Methods

None

Assignments

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Personal Links

Course News

Schedule

Deadlines

Course Administrator / Assignments

Add Assignment

Title:

1

Description:

2

Preview

3

Edit Existing Assignment

Title		
POD	Edit	Remove
Use Cases	Edit	Remove

Functional Requirements

10.1

Controls

1. txtAddAssignmentTitle – The title of the new assignment.
2. txtAddAssignmentDescription – A text that describing the new assignment.
3. btnPreviewAddAssignment – Invokes the displayAddAssignment method.

Methods

displayAddAssignment - Validates the input and displays a preview of the new assignment.

Add Assignment Preview

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Course Administrator / Assignments / Add Assignment

POD

The purpose of the POD is to give an introductory overview of the project. After reading this fairly brief document, the reader should have an idea of: 1. Who are the users and what problem does the system solve for them? 2. The main uses of the system. 3. The context/environment in which the system is to be used. 4. The scope of the system. 5. The main factors that need to be taken in to account when designing and building the system. 6. Technologies and Risks it should be between 3 and 5 pages in length and contain 6 sections corresponding to the 6 points listed above. In Section 2, you must include at least 2 usage narratives in addition to a general description of the main uses of the system. A usage narrative is a situated example of the use of the system. It is a brief paragraph in which you invent a fictional but specific actor and briefly capture the mental state of that person " why he wants what he wants or what conditions drive him to act as he does. Capture how the world works in that particular case, from the start of the situation to the end. These narratives should give the reader a good general idea of what the system is about. Here is an example of a usage narrative for the famous Automated Teller Machine (Bankomat) " ATM " example:

1 Back Save 2

Functional Requirements

10.1

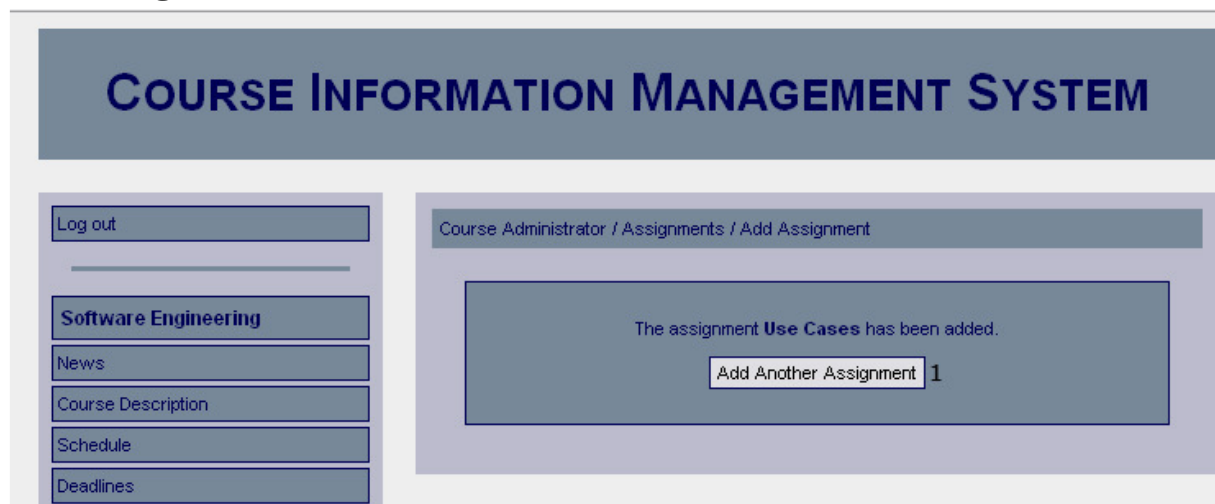
Controls

1. btnBackAddAssignment – Redirect the user to the previous page (Add Assignment) and allows the user to edit the input.
2. btnSaveAddAssignment – Invokes the method addAssignment.

Methods

addAssignment – Saves the new assignment.

Add Assignment Confirmation



Functional Requirements

10.1

Controls

1. btnAddAssignment – Redirects the user to the add assignment page.

Methods

None

Edit Assignment

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Course Administrator / Assignments / Edit Existing Assignment / Edit Assignment

Edit Assignment

Title:

POD

1

Description:

The purpose of the POD is to give an introductory overview of the project. After reading this fairly brief document, the reader should have an idea of:

- Who are the users and what problem does the system solve for them?
- The main uses of the system.
- The context/environment in which the system is to be used.
- The scope of the system.
- The main factors that need to be taken in to account when designing and building the system.
- Technologies and Risks

It should be between 3 and 5 pages in length and contain 6 sections corresponding to the 6 points listed above.

In Section 2, you must include at least 2 usage narratives in addition to a general description of the main uses of the system. A usage narrative is a situated example of the use of the system. It is a brief paragraph in which you invent a fictional but specific actor and briefly capture the mental state of that person â€" why he wants what he wants or what conditions drive him to act as he does. Capture how the world works in that particular case, from the start of the situation to the end. These narratives should give the reader a good general idea of what the system is about. Here is an example of a usage narrative for the famous Automated Teller

2

Preview

3

Functional Requirements

10.1

Controls

1. txtEditAssignmentTitle – The title of the new assignment.
2. txtEditAssignmentDescription – A text that describing the new assignment.
3. btnPreviewEditAssignment – Invokes the displayEditAssignment method.

Methods

displayEditAssignment - Validates the input and displays a preview of the edited assignment.

38/88

Edit Assignment Preview

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Course Administrator / Assignments / Edit Existing Assignment

POD

The purpose of the POD is to give an introductory overview of the project. After reading this fairly brief document, the reader should have an idea of: 1. Who are the users and what problem does the system solve for them? 2. The main uses of the system. 3. The context/environment in which the system is to be used. 4. The scope of the system. 5. The main factors that need to be taken in to account when designing and building the system. 6. Technologies and Risks It should be between 3 and 5 pages in length and contain 6 sections corresponding to the 6 points listed above. In Section 2, you must include at least 2 usage narratives in addition to a general description of the main uses of the system. A usage narrative is a situated example of the use of the system. It is a brief paragraph in which you invent a fictional but specific actor and briefly capture the mental state of that person "why he wants what he wants or what conditions drive him to act as he does. Capture how the world works in that particular case, from the start of the situation to the end. These narratives should give the reader a good general idea of what the system is about. Here is an example of a usage narrative for the famous Automated Teller Machine (Bankomat) "ATM" example:

1 2

Functional Requirements

10.1

Controls

1. btnBackEditAssignment – Redirect the user to the previous page (Edit Assignment) and allows the user to edit the input.
2. btnSaveEditAssignment – Invokes the method saveEditAssignment.

Methods

saveEditAssignment – Saves the edited assignment.

Edit Assignment Confirmation

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Assignments / Edit Existing Assignment / Edit Assignment'. Below this, a message box states 'The assignment **Use Cases** has been changed.' and contains a button labeled 'Edit Another Assignment' followed by the number '1'.

Functional Requirements

10.1

Controls

1. btnEditAssignment – Redirects the user to the assignment page.

Methods

None

Confirm Remove Assignment

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Assignments / Edit Existing Assignment / Remove Assignment'. Below this, a message box asks 'Are you sure that you would like to remove the assignment **Use Cases**?' and contains a button labeled 'Confirm' followed by the number '1'.

Functional Requirements

10.1

Controls

1. btnConfirmRemoveAssignment - Confirms that the selected assignment should be removed.

Methods

None

Remove Assignment Confirmation

The screenshot shows the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Assignments / Edit Existing Assignment / Remove Assignment'. Below this, a confirmation message states: 'The assignment **Use Cases** has been removed.' At the bottom of this message is a button labeled 'Remove Another Assignment' with a small '1' next to it.

Functional Requirements

10.1

Controls

1. btnRemoveAssignment – Redirects the user to the assignment page.

Methods

None

Course Assistants

The screenshot shows the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface for 'Course Assistants'. The sidebar on the left includes a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', and 'Special Information for Exchange'. The main content area has a breadcrumb trail: 'Course Administrator / Course Assistants'. Below this, there are two sections: 'Add Course Assistant' and 'Edit Existing Course Assistant'. The 'Add Course Assistant' section has a 'Username:' label, a text input field (labeled '1'), and a 'Continue' button (labeled '2'). The 'Edit Existing Course Assistant' section contains a table with the following data:

Username	First name	Last name	
user1	Olle	Johansson	Remove
user2	Kalle	Andersson	Remove

Functional Requirements

13.2

Controls

1. txtUsername – Username of the user to add.

2. btnAddCourseAssistant – Invokes the checkUser method.

Methods

checkUser – Determines whether the user account exists or not, if the user account exist it redirects the user to the confirmation page.

Confirm Add Course Assistant

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and a menu containing "Software Engineering", "News", "Course Description", "Schedule", and "Deadlines". The main content area has a breadcrumb trail "Course Administrator / Course Assistants / Add Assistant". Below this, a confirmation box asks: "Are you sure that you would like to add **user1** as a course assistant in the course?". At the bottom of this box is a "Confirm" button followed by a small number "1".

Functional Requirements

13.2

Controls

1. btnConfirmCourseAssistant – Invokes the addCourseAssistant method.

Methods

addCourseAssistant – Adds a new course assistant for the course.

Add Course Assistant Confirmation

The screenshot shows the same web application as the previous one. The main content area now displays a success message: "The user **user1** was added as a course assistant in the course." Below this message is a button labeled "Add Another Course Assistant" followed by a small number "1". The sidebar and breadcrumb trail remain the same.

Functional Requirements

13.2

Controls

1. btnAddAnotherCourseAssistant – Redirects the user to the add course assistant page.

Methods

None

Confirm Remove Course Assistant

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left, a sidebar contains a 'Log out' button and a menu with options: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', and 'Assignments'. The main content area has a breadcrumb trail: 'Course Administrator / Course Assistants / Edit Existing Assistant / Remove Assistant'. Below this, a confirmation box asks: 'Are you sure that you would like to remove the course assistant **user1** (Olle Johansson) from the course?'. A 'Confirm' button is present next to the text.

Functional Requirements

13.2

Controls

1. btnConfirmRemoveCourseAssistant – Invokes the removeCourseAssistant method.

Methods

removeCourseAssistant – Removes a course assistant from the course.

Remove Course Assistant Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface after a successful removal. The sidebar and breadcrumb trail are identical to the previous screenshot. The main content area now shows a success message: 'The course assistant **user1** was removed from the course.' Below this message is a button labeled 'Remove Another Course Assistant' followed by the number '1'.

Functional Requirements

13.2

Controls

1. btnRemoveAnotherCourseAssistant – Redirects the user to the remove course assistant page.

Methods

None

Edit Course Description

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with navigation links: Log out, Software Engineering (selected), News, Course Description, Schedule, Deadlines, Assignments, Uploaded Files, Apply for Course, Special Information for Exchange Students, Course Leader Links, Assignments, Course Assistants, Course Description, Deadlines, Information Pages, Files, News, Registration, Results, Schedule, Personal Links, Course News, Schedule, and News. The main content area is titled 'Edit Course Description' and includes a breadcrumb 'Course Administrator / Course Description / Edit Description'. The form contains the following fields: 'Course Name' (Software Engineering), 'Credits' (7.5), 'Begins in Period' (3, 2007, 1, 4), 'Ends in Period' (5, 2007, 1, 6), and 'Description' (a text area with HTML content). A 'Save' button is at the bottom right.

COURSE INFORMATION MANAGEMENT SYSTEM

Course Administrator / Course Description / Edit Description

Edit Course Description

Course Name: 1

Credits: 2

Begins in Period: 3 4

Ends in Period: 5 6

Description:

Save 8

Functional Requirements

4.1

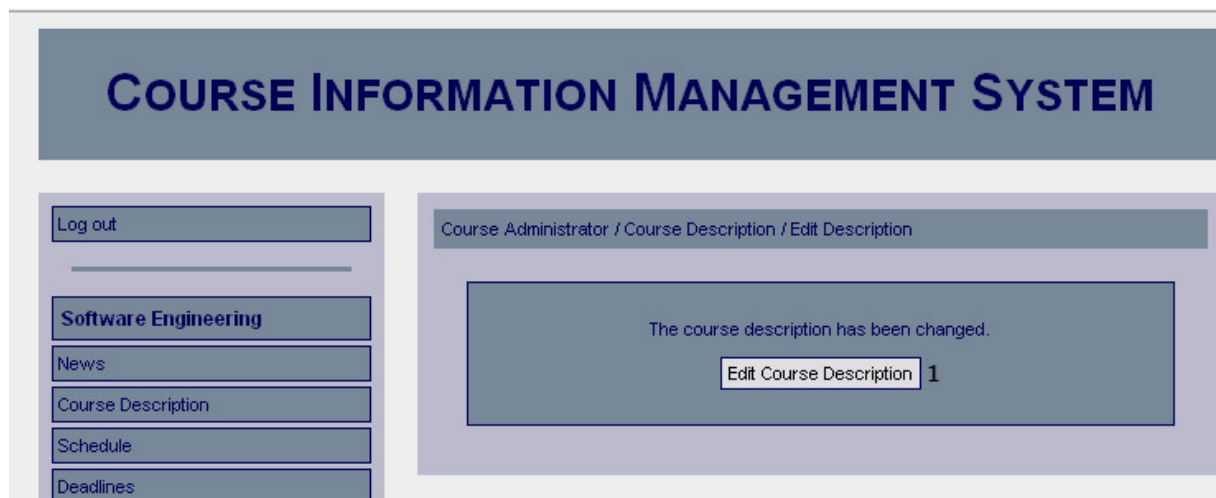
Controls

1. txtCourseName – The name of the course.
2. txtCourseCredit – The credit of the course.
3. drpCourseBeginYear – The year that the course starts.
4. drpCourseBeginPeriod – The period that the course starts..
5. drpCourseEndYear – The year that the course ends.
6. drpCourseEndPeriod – The period that the course ends.
7. txtCourseDescription – The descriptions of the course.
8. btnSaveCourseDescription – Invokes the saveCourseDescription method.

Methods

saveCourseDescription – Saves the changes to the course description.

Edit Course Description Confirmation



Functional Requirements

4.1

Controls

1. btnEditCourseDescription – Redirects the user to the edit course description page.

Methods

None

Create Course Website – Create Description

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Personal Links

Course News

Schedule

Course Administrator / Create Course Website / Description

Course Description

Course Name:

1

Credits:

2

Begins in Period:

3

2007

▼

1

▼

4

Ends in Period:

5

2007

▼

1

▼

6

Description:

7

Continue

8

Functional Requirements

3.1

4.1

Controls

1. txtCourseName – The name of the course.
2. txtCourseCredit – The credit of the course.
3. drpCourseBeginYear – The year that the course starts.
4. drpCourseBeginPeriod – The period that the course starts..
5. drpCourseEndYear – The year that the course ends.
6. drpCourseEndPeriod – The period that the course ends.
7. txtCourseDescription – The descriptions of the course.

8. btnSaveCourseDescription – Invokes the saveCourseDescription method.

Methods

btnContinueToSchedule – Saves the course description and continues to the next step in the creation guide (Import Schedule).

Create Course Website – Import Schedule

The screenshot displays a web application interface for a 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', and 'Schedule'. The main content area has a breadcrumb trail 'Course Administrator / Create Course Website / Schedule' and a title 'Import Schedule'. Below the title, there is a form with the label 'iCalendar file:'. It includes a text input field (labeled 1), a 'Browse...' button (labeled 2), and two buttons at the bottom: 'Skip' (labeled 3) and 'Import' (labeled 4).

Functional Requirements

3.1

7.1

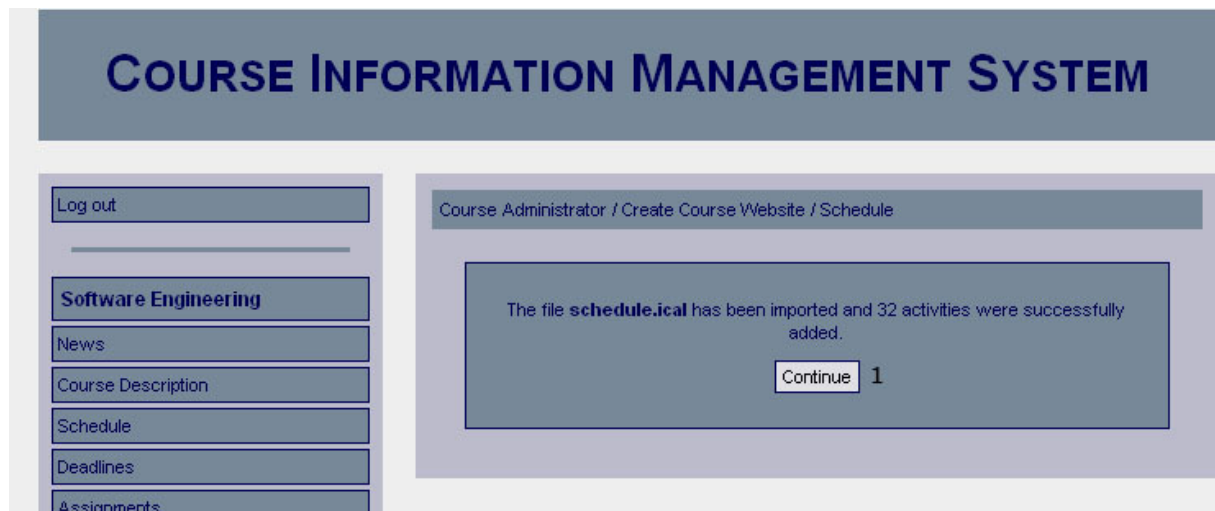
Controls

1. txtScheduleDirectory – The directory of the schedule in iCalendar format.
2. btnBrowseSchedule – Selects the schedule the user selects to import.
3. btnSkipSchedule – Redirects the user to the next step in the creation guide (Add information Page).
4. btnImportSchedule – Invokes the importSchedule method.

Methods

importSchedule – Validates the input, generates a schedule that can be viewed through the system and saves it.

Create Course Website – Import Schedule Confirmation



Functional Requirements

3.1

7.1

Controls

1. btnContinueToAddInformationPage – Redirects the user to the add information page.

Methods

None

Create Course Website –Add Information Pages

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a vertical sidebar with a 'Log out' button at the top. Below it, a section titled 'Software Engineering' contains buttons for 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', and 'Special Information for Exchange Students'. Another section titled 'Course Leader Links' contains buttons for 'Assignments', 'Course Assistants', 'Course Description', 'Deadlines', 'Information Pages', 'Files', 'News', 'Registration', 'Results', and 'Schedule'. The main content area has a breadcrumb trail 'Course Administrator / Create Course Website / Information Pages' and a title 'Add Information Page'. It features a 'Title:' label followed by a text input field (labeled 1) and a 'Content:' label followed by a large text area (labeled 2). At the bottom right, there are two buttons: 'Skip' (labeled 3) and 'Preview' (labeled 4).

Functional Requirements

3.1

6.1

Controls

1. txtInformationPageTitle – The title of the information page.
2. txtInformationPageContent – The content of the information page.
3. btnSkipInformationPage – Redirects the user to the next step (Add Deadlines) in the creation guide.
4. btnPreviewInformationPage – Invokes the displayAddInformationPage method.

Methods

displayAddInformationPage - Validates the input and displays a preview of the new information page.

Create Course Website – Add Information Pages Preview

The screenshot displays a web application interface for a 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', 'Special Information for Exchange Students', 'Course Leader Links', and 'Assignments'. The main content area has a breadcrumb trail 'Course Administrator / Create Course Website / Information Pages'. The central panel shows a preview of a page titled 'Special Information for Exchange Students'. The page content includes a paragraph: 'Exchange students need to go to the support office to get their user accounts as soon as possible! Below is a long list of things that need to be done to during the course if you can't get a user account.' followed by a bulleted list: '• Long', '• list', '• of', '• long', '• things', '• to', '• do'. At the bottom of the preview area are two buttons: '1 Back' and '2 Save'.

Functional Requirements

3.1

6.1

Controls

1. btnBackAddInformationPage - Redirect the user to the previous page (Add Information Page) and allows the user to edit the input.
2. btnSaveAddInformationPage – Invokes the method addInformationPage.

Methods

addInformationPage – Saves the information page.

Create Course Website – Add Information Pages Confirmation

This screenshot shows the same web application interface as the previous one, but with a confirmation message. The sidebar and breadcrumb trail are identical. The main content area now displays a message box with the text: 'The information page **Special Information for Exchange Students** has been added.' Below the message is a 'Continue' button and a page number '1'.

Functional Requirements

3.1

6.1

Controls

1. btnContinueToAddDeadlines – Redirects the user to the next step (Add Deadlines) in the creation guide.

Methods

None

Create Course Website – Add Deadlines

The screenshot displays a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar menu with options: "Log out", "Software Engineering", "News", "Course Description", "Schedule", "Deadlines", "Assignments", "Uploaded Files", "Apply for Course", and "Special Information for Exchange Students". The main content area is titled "Course Administrator / Create Course Website / Deadlines" and contains a form titled "Add Deadline". The form has the following fields: "Title:" with a text input field (labeled 1), "Time:" with dropdowns for day (01, labeled 2), month (January, labeled 3), year (2008, labeled 4), minutes (00, labeled 5), and hours (00, labeled 6), and "Description:" with a large text area (labeled 7). At the bottom right of the form are two buttons: "Skip" (labeled 8) and "Preview" (labeled 9).

Functional Requirements

3.1

8.1

Controls

1. txtTitleAddDeadline – The title of the new deadline.
2. drpDateDay – The day part of the date the deadline is for.
3. drpDateMonth – The month part of the date the deadline is for.
4. drpDateYear – The year part of the date the deadline is for.
5. drpTimeMinutes – The minutes part of the time the deadline is for.
6. drpTimeHour – The hour part of the time the deadline is for.
7. txtDescriptionAddDeadline – A text describing the new deadline.
8. btnPreviewDeadline – Invokes the displayAddDeadline method.

Methods

displayAddDeadline– Validates input and displays a preview of the new deadline.

Create Course Website – Add Deadlines Preview

The screenshot shows a web application interface for a 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', and 'Apply for Course'. The main content area has a breadcrumb trail 'Course Administrator / Create Course Website / Deadlines'. Below this is a box titled 'Use Cases' with the date '27th November, 2007'. The text inside the box describes a review process for requirements and use cases. At the bottom of the main area are two buttons: 'Back' and 'Save', with the number '1' to the left of 'Back' and '2' to the right of 'Save'.

Functional Requirements

3.1

8.1

Controls

1. btnBackAddDeadline - Redirect the user to the previous page (Add Deadline) and allows the user to edit the input.
2. btnSaveAddDeadline – Invokes the method addDeadline.

Methods

addDeadline – Saves the deadline.

Create Course Website – Add Deadlines Confirmation

This screenshot shows the confirmation page of the same web application. The sidebar is identical to the previous page. The main content area has the same breadcrumb trail. A large box in the center contains the message 'The deadline Use Cases has been added.' Below this message is a 'Continue' button and the number '1'.

Functional Requirements

3.1

8.1

Controls

1. btnContinueToCreationGuidePreview – Invokes displayCreationGuide

Methods

displayCreationGuide - Displays a summary of the objects created by the user throughout the creation guide.

Create Course Website Summary

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar menu with options: Log out, Software Engineering, News, Course Description, Schedule, Deadlines, Assignments, Uploaded Files, Apply for Course, Special Information for Exchange Students, Course Leader Links, Assignments, Course Assistants, Course Description, Deadlines, Information Pages, Files, News, and Registration. The main content area is titled 'Course Administrator / Create Course Website'. It contains three sections: 'Course Description' with fields for Course Code (DD1363), Credits (7,5), Begins in period (2007, 1), and Ends in period (2008, 4); 'Schedule' with a list of five lectures; 'Information Pages' with a link to 'Special Information for Exchange Students'; and 'Deadlines' with a list of three items: POD, Use Cases, and Use Case Reviews. At the bottom, there are navigation buttons: '1 Back' and 'Create Course Website 2'.

Functional Requirements

- 3.1
- 8.1

Controls

1. btnBackCreationGuide - Redirect the user to the add deadline page and allows the user to edit the input.
2. btnCreateCourseWebsite – Invokes the createCourseWebsite method.

Methods

createCourseWebsite – Creates the course website.

Create Course Website Confirmation

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Course Administrator / Create Course Website

The course website for course **DD1363** has been created.

To the Course Website 1

Functional Requirements

3.1

Controls

1. btnCourseWebsite – Redirects the user to the new course website.

Methods

None

Deadlines

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Course Administrator / Deadlines

Add Deadline

Title: 1

Time: 2 3 4 5 6

Description: 7

Preview 8

Edit Existing Deadline

Title	Time		
POD	2007-11-01 18:00	Edit	Remove
Use Cases	2007-11-30 18:00	Edit	Remove
Use Case Reviews	2007-12-07 18:00	Edit	Remove

Functional Requirements

8.1

Controls

1. txtTitle – The title of the new deadline.
2. drpDateDay – The day part of the date the deadline is for.
3. drpDateMonth – The month part of the date the deadline is for.
4. drpDateYear – The year part of the date the deadline is for.
5. drpTimeMinutes – The minutes part of the time the deadline is for.
6. drpTimeHour – The hour part of the time the deadline is for.
7. txtDescription – A text describing the new deadline.
8. btnPreviewDeadline – Shows a preview of the deadline with the provided content..

Methods

None

Add Deadline Preview

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and a list of navigation links: "Software Engineering", "News", "Course Description", "Schedule", "Deadlines", "Assignments", and "Uploaded Files". The main content area has a breadcrumb trail "Course Administrator / Deadlines / Add Deadline". Below this is a preview box for a deadline titled "Use Cases" dated "27th November, 2007". The preview text reads: "You will review the requirements and use cases for 2 other groups. As in the POD reviews, these reviews will not be anonymous. You will be provided with a review form to be filled out for each set of requirements and use cases that you review. You will then send a copy of each review to the respective project coordinators and one copy of all three reviews to me. You will find details here." At the bottom of the preview box are two buttons: "1 Back" and "Save 2".

Functional Requirements

8.1

Controls

1. btnBackAddDeadline – Redirect the user to the previous page (Add Deadline) and allows the user to edit the input.
2. btnSaveAddDeadline – Invokes the method addDeadline.

Methods

addDeadline – Saves the new deadline.

Add Deadline Confirmation

The screenshot shows the 'Add Deadline Confirmation' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Deadlines / Add Deadline'. A confirmation message states: 'The deadline **Use Cases** has been added.' Below this message is a button labeled 'Add Another Deadline' with a small '1' next to it.

Functional Requirements

8.1

Controls

1. btnAddDeadline – Redirects the user to the add deadline page.

Methods

None

Edit Deadlines

The screenshot shows the 'Edit Deadlines' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering', 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', and 'Special Information for Exchange Students'. The main content area has a breadcrumb trail 'Course Administrator / Deadlines / Edit Existing Deadline / Edit Deadline'. The title is 'Edit Deadline'. The form includes: 'Title:' with a text box containing 'Use Cases' and a small '1' next to it; 'Time:' with five dropdown menus showing '01', 'November', '2007', '18', and '00'; 'Description:' with a large text area containing 'This is a very time consuming assignment.' and a small '7' next to it; and a 'Preview' button with a small '8' next to it.

Functional Requirements

8.1

Controls

1. txtTitle – The title of the new deadline.
2. drpDateDay – The day part of the date the deadline is for.
3. drpDateMonth – The month part of the date the deadline is for.
4. drpDateYear – The year part of the date the deadline is for.
5. drpTimeMinutes – The minutes part of the time the deadline is for.
6. drpTimeHour – The hour part of the time the deadline is for.
7. txtDescription – A text describing the new deadline.
8. btnPreviewDeadline – Shows a preview of the deadline with the provided content.

Methods

None

Edit Deadline Preview

The screenshot displays a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar menu with options: "Log out", "Software Engineering", "News", "Course Description", "Schedule", "Deadlines", "Assignments", and "Uploaded Files". The main content area has a breadcrumb trail: "Course Administrator / Deadlines / Edit Existing Deadline". Below this, a box titled "Use Cases" shows a preview of a deadline for "27th November, 2007". The preview text reads: "You will review the requirements and use cases for 2 other groups. As in the POD reviews, these reviews will not be anonymous. You will be provided with a review form to be filled out for each set of requirements and use cases that you review. You will then send a copy of each review to the respective project coordinators and one copy of all three reviews to me. You will find details here." At the bottom of the preview box are buttons for "1 Back" and "Save 2".

Functional Requirements

8.1

Controls

1. btnBackEditDeadline – Redirect the user to the previous page (Edit Deadline) and allows the user to edit the input.
2. btnSaveEditAssignment – Invokes the method saveEditDeadline.

Methods

saveEditDeadline – Saves the edited deadline.

Edit Deadline Confirmation

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Deadlines / Edit Existing Deadline / Edit Deadline'. Below this, a message box states 'The deadline **Use Cases** has been changed.' and contains a button labeled 'Edit Another Deadline' followed by a small number '1'.

Functional Requirements

8.1

Controls

1. btnEditAnotherDeadline – Redirects the user to the list of existing deadlines.

Methods

None

Confirm Deadline Removal

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Deadlines / Edit Existing Deadline / Remove Deadline'. Below this, a message box asks 'Are you sure that you would like to remove the deadline **Use Cases**?' and contains a button labeled 'Confirm' followed by a small number '1'.

Functional Requirements

8.1

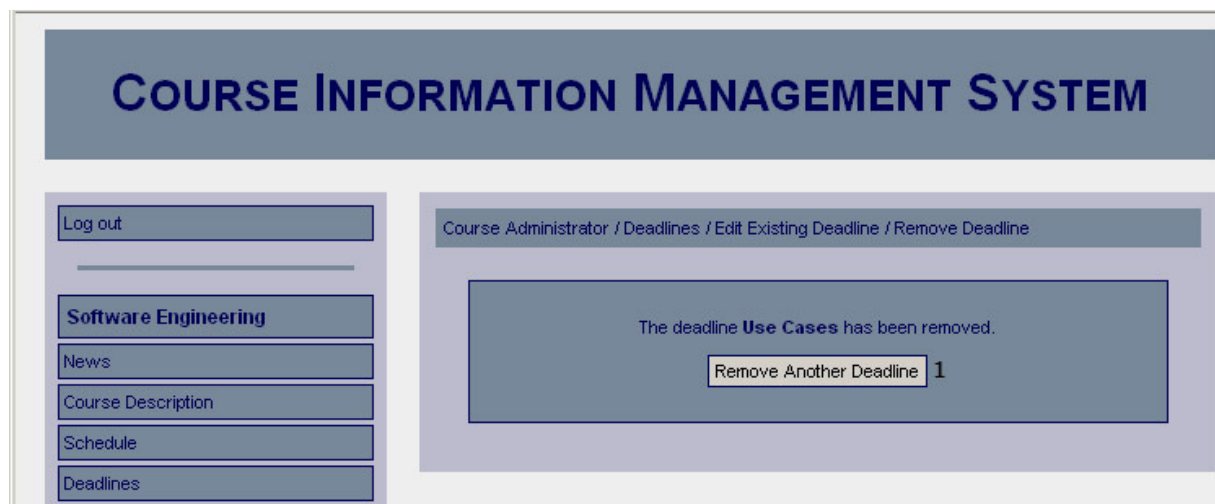
Controls

1. btnConfirm – Confirms that the selected deadline should be removed.

Methods

None

Deadline Removal Confirmation



Functional Requirements

8.1

Controls

1. btnDeleteAnotherDeadline – Redirects the user to the list of existing deadlines.

Methods

None

Information Pages

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Personal Links

Course News

Schedule

Course Administrator / Information Pages

Add Information Page

Title:

1

Content:

2

Preview

3

Edit Existing Information Page

Title		
Special Information for Exchange Students	Edit	Remove

Functional Requirements

6.1

Controls

1. txtInfoPageTitle – The title of the information page.
2. txtInfoPageContent – The content of the information page.
3. btnPreviewInfoPage – Shows a preview of the information page with the provided content.

Methods

None

Add Information Page Preview

The screenshot shows a web application interface for a 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar menu with options: 'Log out', 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', 'Special Information for Exchange Students', 'Course Leader Links', and another 'Assignments' entry. The main content area has a breadcrumb trail 'Course Administrator / Information Pages / Add Information Page'. The title is 'Special Information for Exchange Students'. The text states: 'Exchange students need to go to the support office to get their user accounts as soon as possible! Below is a long list of things that need to be done to during the course if you can't get a user account.' This is followed by a bulleted list: '• Long', '• list', '• of', '• long', '• things', '• to', '• do'. At the bottom right are 'Back' and 'Save' buttons, with the numbers '1' and '2' below them respectively.

Functional Requirements

6.1

Controls

1. btnBack – Returns the user to the previous page.
2. btnAddInfoPage – Invokes the method addInfoPage.

Methods

addInfoPage – Adds the information page to the database.

Add Information Page Confirmation

This screenshot shows the confirmation screen of the same web application. The sidebar menu is identical. The breadcrumb trail remains 'Course Administrator / Information Pages / Add Information Page'. The main content area displays a confirmation message: 'The information page **Special Information for Exchange Students** has been added.' Below this message is a button labeled 'Add Another Information Page' followed by the number '1'.

Functional Requirements

6.1

Controls

1. btnAddInformationPage – Redirects the user to the add information page.

Methods

None

Edit Information Page

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and two sections of links: "Software Engineering" (News, Course Description, Schedule, Deadlines, Assignments, Uploaded Files, Apply for Course, Special Information for Exchange Students) and "Course Leader Links" (Assignments, Course Assistants, Course Description, Deadlines, Information Pages, Files, News, Registration, Results, Schedule). The main content area has a breadcrumb trail: "Course Administrator / Information Pages / Edit Existing Information Page / Edit Information Page". Below this is the "Edit Information Page" title. The form contains three labeled fields: "Title:" with the value "Special Information for Exchange Students" (labeled 1), "Content:" with a text area containing HTML code (labeled 2), and a "Preview" button (labeled 3). The HTML code in the content field includes a breadcrumb link, an h1 tag, a paragraph about exchange students, and an unordered list with items: Long, of, long, things, to, do.

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Course Administrator / Information Pages / Edit Existing Information Page / Edit Information Page

Edit Information Page

Title: Special Information for Exchange Students 1

Content: 2

```
<div id="breadcrumbs"><a href="#">Software Engineering</a> /  
Special Information for Exchange Students</div>  
  
<h1>Special Information for Exchange Students</h1>  
  
Exchange students need to go to the support office to get their user  
accounts as soon as possible! Below is a long list of things that need  
to be done to during the course if you can't get a user account.  
  
<ul>  
  <li>Long</li>  
  <li>list</li>  
  <li>of</li>  
  <li>long</li>  
  <li>things</li>  
  <li>to</li>  
  <li>do</li>  
</ul>
```

Preview 3

Functional Requirements

6.1

Controls

1. txtInfoPageTitle – The title of the information page.

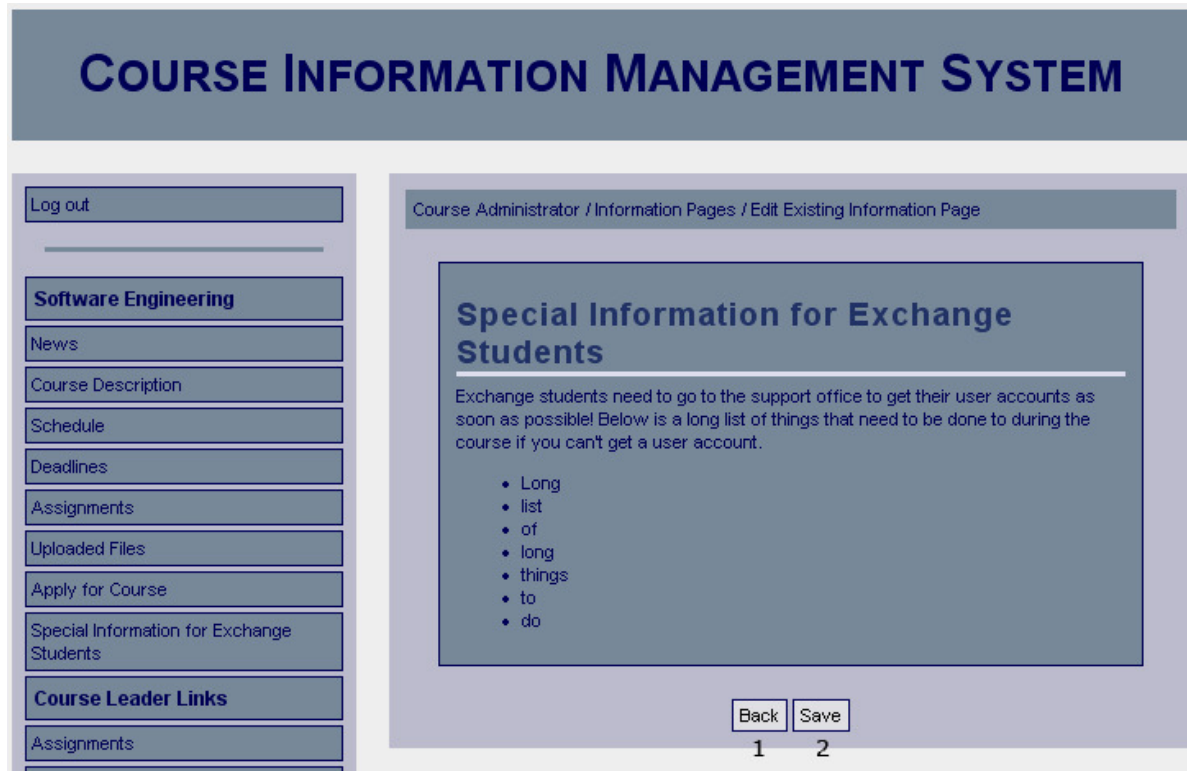
2. txtInfoPageContent – The content of the information page.

3. btnPreviewInfoPage – Shows a preview of the information page with the provided content.

Methods

None

Edit Existing Information Page Preview



Functional Requirements

6.1

Controls

1. btnBack – Returns the user to the previous page.
2. btnEditInfoPage – Invokes the method editInfoPage.

Methods

editInfoPage – Updates the information page in the database, with the provided information.

Information Page Edited Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' header. On the left, a sidebar contains a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area shows a breadcrumb trail: 'Course Administrator / Information Pages / Edit Existing Information Page / Edit Information Page'. Below this, a message box states: 'The information page **Special Information for Exchange Students** has been changed.' At the bottom of the message box is a button labeled 'Edit Another Information Page' followed by the number '1'.

Functional Requirements

6.1

Controls

1. btnEditAnotherInfoPage – Redirects the user to the "Information pages" page.

Methods

None

Confirm Removal of Information Page

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' header. On the left, a sidebar contains a 'Log out' button and a list of menu items: 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', 'Deadlines', and 'Assignments'. The main content area shows a breadcrumb trail: 'Course Administrator / Information Pages / Edit Existing Information Page / Remove Information Page'. Below this, a message box asks: 'Are you sure that you would like to remove the information page **Special Information for Exchange Students**?' At the bottom of the message box is a button labeled 'Confirm' followed by the number '1'.

Functional Requirements

6.1

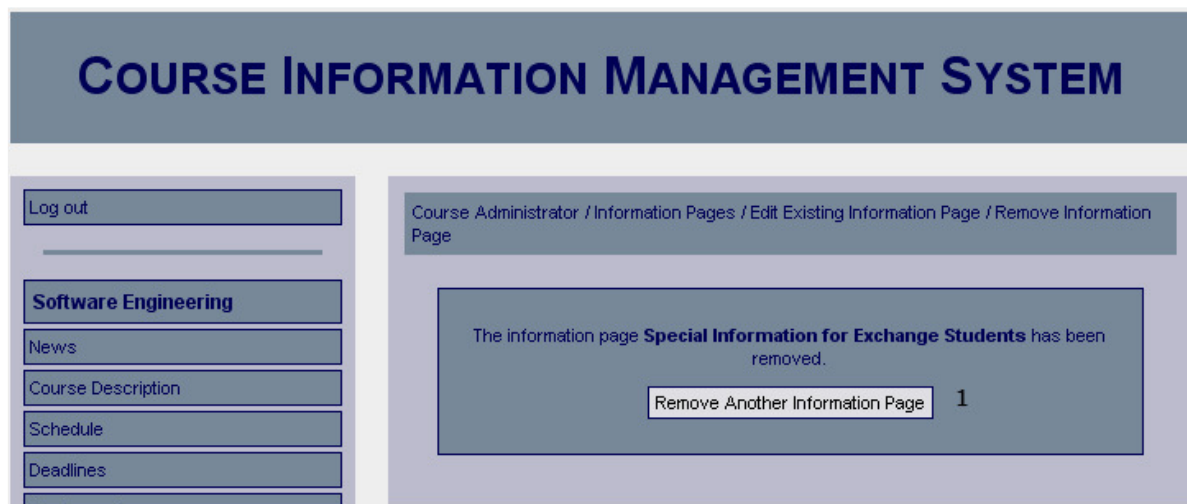
Controls

1. btnConfirmInfoPageRemoval – Invokes the method removeInfoPage.

Methods

removeInfoPage – Removes the information page in question from the database.

Information Page Removed Confirmation



Functional Requirements

6.1

Controls

1. btnRemoveAnotherInfoPage – Redirects the user to the "Information pages" page.

Methods

None

News

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Registration

Results

Schedule

Personal Links

Course News

Schedule

Deadlines

Course Administrator / News

Add News

Headline: 1

Content:

2

Preview 3

Edit Existing News

Title		
New lecture scheduled	Edit	Remove
Lecture cancelled (again)	Edit	Remove
Lecture cancelled	Edit	Remove

Functional Requirements

5.1

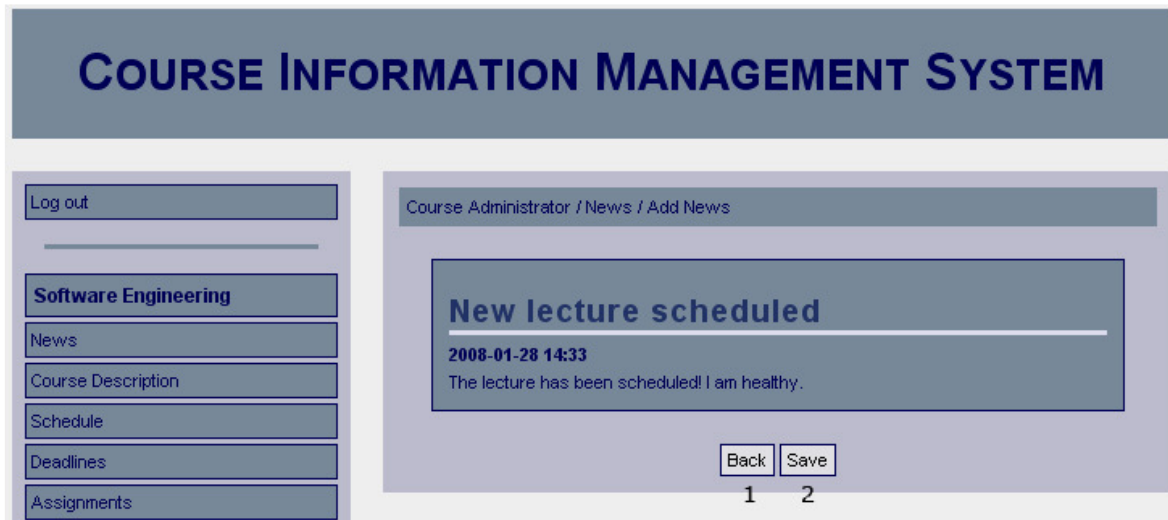
Controls

1. txtNewsHeadline – The headline of the news post.
2. txtNewsContent – The content of the news post.
3. btnPreviewAddNews – Shows a preview of the activity, with the provided information.

Methods

None

Add News Preview



Functional Requirements

5.1

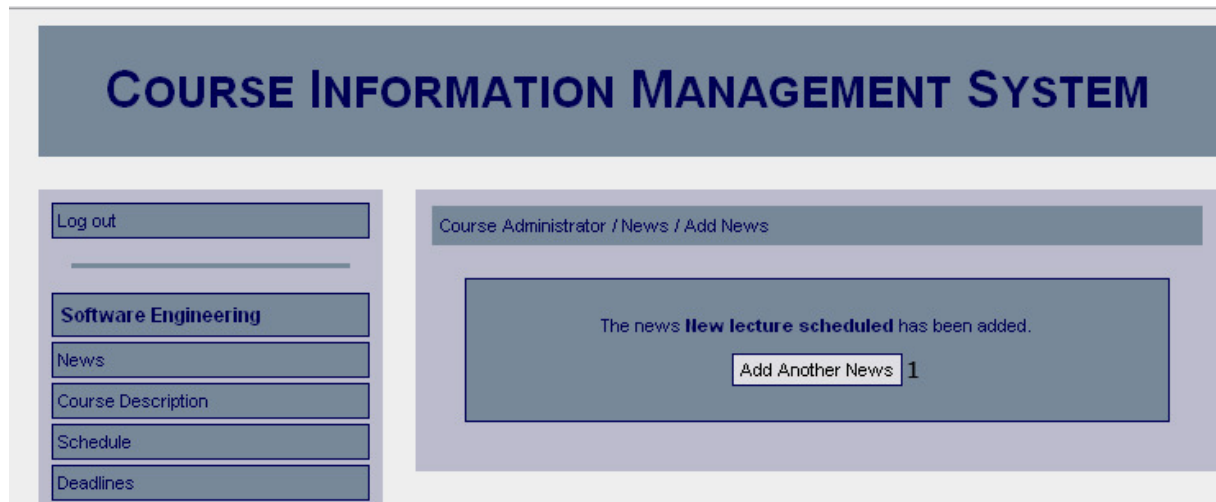
Controls

1. btnBack – Returns the user to the previous page.
2. btnAddNews – Invokes the method addNews.

Methods

addNews – Adds the news post to the database.

Add News Confirmation



Functional Requirements

5.1

Controls

1. btnAddNews – Redirects the user to the add news page.

Methods

None

Edit News

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Course Administrator / News / Edit Existing News / Edit News

Edit News

Headline: 1

Content:

The lecture has been scheduled! I am healthy.

 2

3

Functional Requirements

5.1

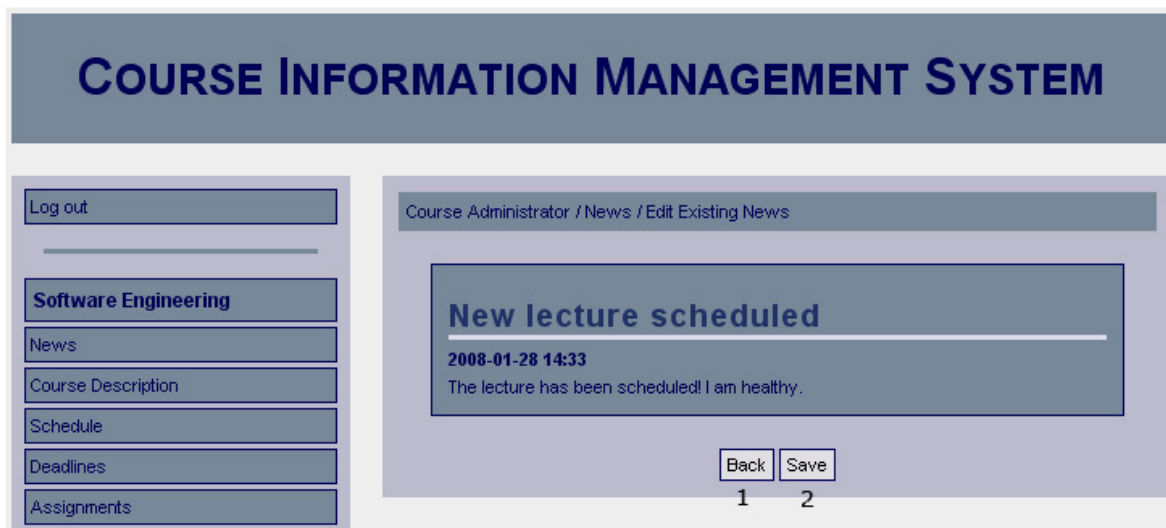
Controls

1. txtNewsHeadline – The headline of the news post.
2. txtNewsContent – The content of the news post.
3. btnPreviewEditNews – Shows a preview of the updated news post, with the provided information.

Methods

None

Edit Existing News Preview



Functional Requirements

5.1

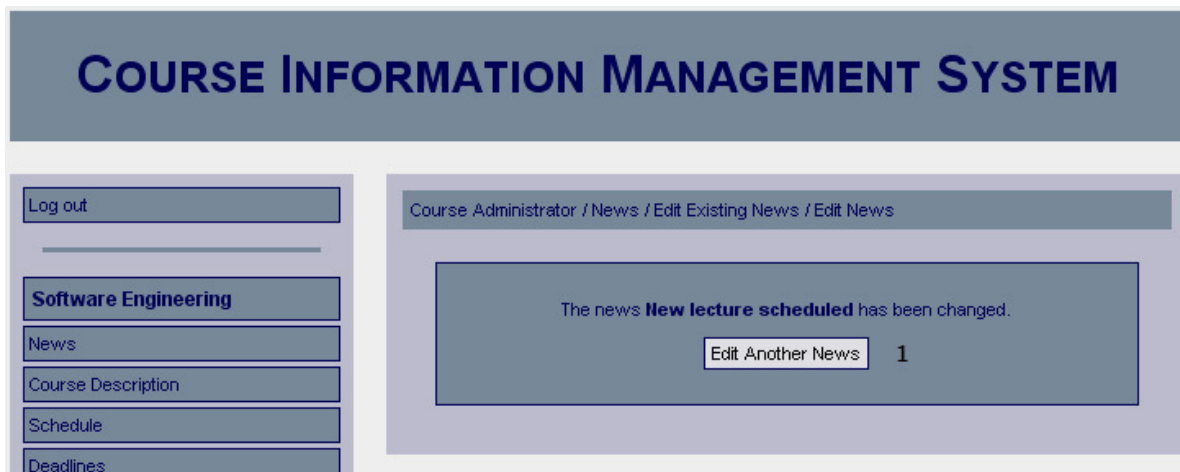
Controls

1. btnBack – Returns the user to the previous page.
2. btnEditNews – Invokes the method editNews.

Methods

editNews – Updates the news post in the database, with the information provided.

News Edited Confirmation



Functional Requirements

5.1

Controls

1. btnEditAnotherNews – Redirects the user to the news management page for system administrators.

Methods

None

Confirm Removal of News

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and a menu containing "Software Engineering", "News", "Course Description", "Schedule", and "Deadlines". The main content area has a breadcrumb trail "Course Administrator / News / Edit Existing News / Remove News". Below this is a confirmation dialog box with the text "Are you sure that you would like to remove the news **New lecture scheduled**?" and a "Confirm" button next to the number "1".

Functional Requirements

5.1

Controls

1. btnConfirmNewsRemoval – Invokes the method removeNews.

Methods

removeNews – Removes the news post in question from the database.

News Removed Confirmation

The screenshot shows the same web application as before. The main content area now displays a confirmation message: "The news **New lecture scheduled** has been removed." Below this message is a "Remove Another News" button next to the number "1". The sidebar and breadcrumb trail remain the same.

Functional Requirements

5.1

Controls

1. btnRemoveAnotherNews – Redirects the user to the news management page for system administrators.

Methods

None

Registrations

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Administrator / Registrations

Verify Course Registrations

Username	First name	Last name		
user1	Olle	Johansson	<input type="checkbox"/>	1
user4	Johan	Olofsson	<input type="checkbox"/>	2

Select All

Verify the Selected Users

3

4

Edit Existing Registered Students

Username	First name	Last name	
user2	Kalle	Andersson	Remove (unregister)
user3	Olle	Johansson	Remove (unregister)

Functional requirements

12.1

12.2

12.4

Controls

1. chkX_1 – Checkbox to select user1 (Olle Johansson) for verification.
2. chkX_2 – Checkbox to select user4 (Johan Olofsson) for verification.
3. btnSelectAll – Checks all the checkboxes.
4. btnVerifySelected – Invokes the method verifyRegistrations.

Methods

verifyRegistrations – Updates the status for the selected students.

Verified Registrations Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left, a sidebar contains a 'Log out' button and a menu with 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Registrations / Verify Registrations'. Below this, a message box states 'The registrations by **user1** was verified.' and includes a button labeled 'Verify Another Student' followed by the number '1'.

Functional requirements

12.2

Controls

1. btnVerifyAnotherStudent – Redirects the user to the Registrations page.

Methods

None

Confirm Removal of Student Registration

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left, a sidebar contains a 'Log out' button and a menu with 'Software Engineering' (highlighted), 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Registrations / Edit Existing Registrations / Remove Registration'. Below this, a message box asks 'Are you sure that you would like to remove the student **user1** (Olle Johansson) from the course?' and includes a button labeled 'Confirm' followed by the number '1'.

Functional requirements

12.4

Controls

1. btnConfirmRegistrationRemoval – Invokes the method removeStudentReg.

Methods

removeStudentReg – Removes the student registration in question from the database.

Student Registration Removed Confirmation

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and a menu for "Software Engineering" (News, Course Description, Schedule, Deadlines). The main content area has a breadcrumb trail: "Course Administrator / Registrations / Edit Existing Registrations / Remove Registration". Below this, a message box states: "The user **user1** was removed from the course." At the bottom of the message box is a button labeled "Remove Another Student" followed by the number "1".

Functional requirements

12.4

Controls

1. btnRemoveAnotherStudent – Redirects the user to the Registrations page.

Methods

None

Register Results

The screenshot shows a web application titled "COURSE INFORMATION MANAGEMENT SYSTEM". On the left is a sidebar with a "Log out" button and a menu for "Software Engineering" (News, Course Description, Schedule, Deadlines). The main content area has a breadcrumb trail: "Course Administrator / Results". Below this, the title "Register Results" is displayed. A table shows registration results for two students:

Username	First name	Last name	POD	Use Cases
user2	Kalle	Andersson	<input type="text" value="B"/> 1	<input type="text" value=""/> 2
user3	Olle	Johansson	<input type="text" value="C"/> 3	<input type="text" value=""/> 4

At the bottom right of the table is a button labeled "Save the results". Below the button is the number "5".

Functional requirements

11.1

Controls

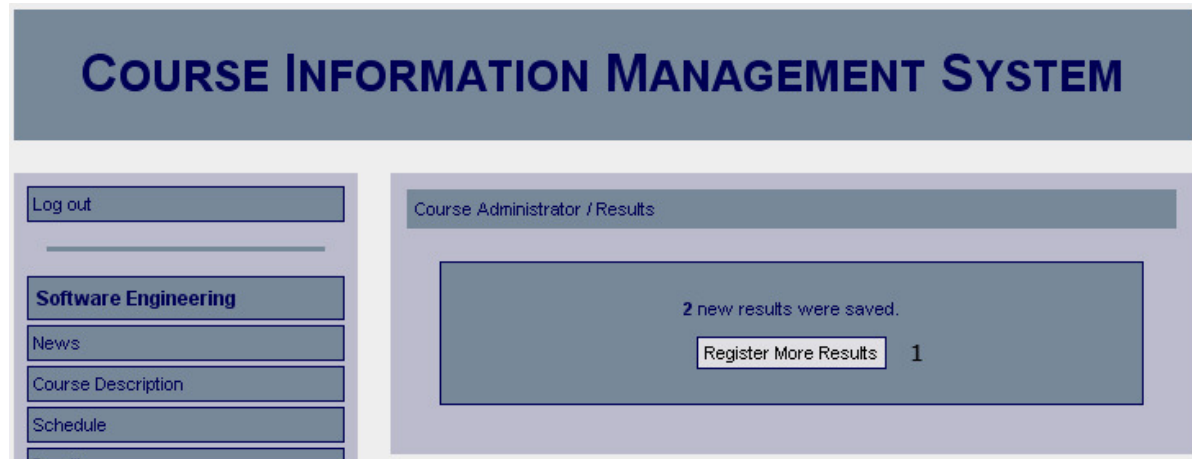
1. txtGrade_UserAssign_1_1 – The grade of the first assignment (POD) for the first student.
2. txtGrade_UserAssign_1_2 – The grade of the second assignment (Use Cases) for the first student.
3. txtGrade_UserAssign_2_1 – The grade of the first assignment (POD) for the second student.

4. txtGrade_UserAssign_2_2 – The grade of the second assignment (Use Cases) for the second student.
5. btnSaveRes – Invokes the method saveResults.

Methods

saveResults – Updates the results in the database.

Results Registered Confirmation



Functional requirements

11.1

Controls

1. btnRegisterMoreResults – Redirects the user to the Register results page.

Methods

None

Files

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

Software Engineering

News

Course Description

Schedule

Deadlines

Assignments

Uploaded Files

Apply for Course

Special Information for Exchange Students

Course Leader Links

Assignments

Course Assistants

Course Description

Deadlines

Information Pages

Files

News

Course Administrator / File

Add File

Title:

1

Description:

2

File:

3

Bläddra...

4

Save

5

Edit Existing News

File	Date	Size		
PowerPoint from Lecture 1	3rd November, 2007	501 kb	Edit	Remove
PowerPoint from Lecture 2	10th November, 2007	437 kb	Edit	Remove
PowerPoint from Lecture 3	17th November, 2007	358 kb	Edit	Remove
Extra Material on Use Cases	24th November, 2007	603 kb	Edit	Remove
PowerPoint from Lecture 4	1st December, 2007	920 kb	Edit	Remove
PowerPoint from Lecture 5	10th December, 2007	899 kb	Edit	Remove

Functional Requirements

9.1

Controls

1. txtAddFileTitle – The title of the file.
2. txtAddFileDescription – The description of the file.
3. txtAddFileSource – The directory of the file.
4. btnSelectAddFile – Selects the file the user specified for upload.
5. btnSaveAddFile – Invokes the uploadAddFile method.

Methods

uploadAddFile – Uploads the file and saves the title and description.

Add File Confirmation

The screenshot shows the 'Add File Confirmation' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail 'Course Administrator / Files / Add File'. A confirmation message states: 'The file PowerPoint from Lecture 2 has been added.' Below this message is a button labeled 'Add Another File' with a small '1' next to it.

Functional Requirements

9.1

Controls

1. btnAddFile – Redirects the user to the add files page.

Methods

None

Edit File

The screenshot shows the 'Edit File' page. The header is 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'Software Engineering', 'News', 'Course Description', 'Schedule', 'Deadlines', 'Assignments', 'Uploaded Files', 'Apply for Course', and 'Special Information for Exchange Students'. The main content area has a breadcrumb trail 'Course Administrator / Files / Edit Existing File / Edit File'. The title is 'Edit File'. There are three labeled fields: 'Title:' with a text input containing 'PowerPoint from Lecture 2' and a small '1' next to it; 'Description:' with a text area containing 'The PowerPoint slides from the second lecture.' and a small '2' next to it; and 'File:' with a text input containing '3' and a 'Bläddra...' button next to it with a small '4' next to the button. A 'Save' button with a small '5' next to it is located at the bottom right.

Functional Requirements

9.1

Controls

1. txtEditFileTitle – The new title of the file.
2. txtEditFileDescription – The new description of the file.
3. txtEditFileSource – The directory of the new file, if the user wants a new file.
4. btnSelectEditFile – Selects the new file the user specified for upload.
5. btnSaveEditFile – Invokes the uploadAddFile method.

Methods

uploadEditFile – Uploads the new file, if specified, and saves the changes.

Edit File Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Files / Edit Existing File / Edit File'. Below this, a message box states 'The file PowerPoint from Lecture 2 has been changed.' and includes an 'Edit Another File' button followed by the number '1'.

Functional Requirements

9.1

Controls

1. btnEditFile – Redirects the user to the add files page.

Methods

None

Confirm Remove File

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a menu containing 'Software Engineering', 'News', 'Course Description', 'Schedule', and 'Deadlines'. The main content area has a breadcrumb trail: 'Course Administrator / Files / Edit Existing File / Remove File'. Below this, a message box asks 'Are you sure that you would like to remove the file PowerPoint from Lecture 2?' and includes a 'Confirm' button followed by the number '1'.

Functional Requirements

9.1

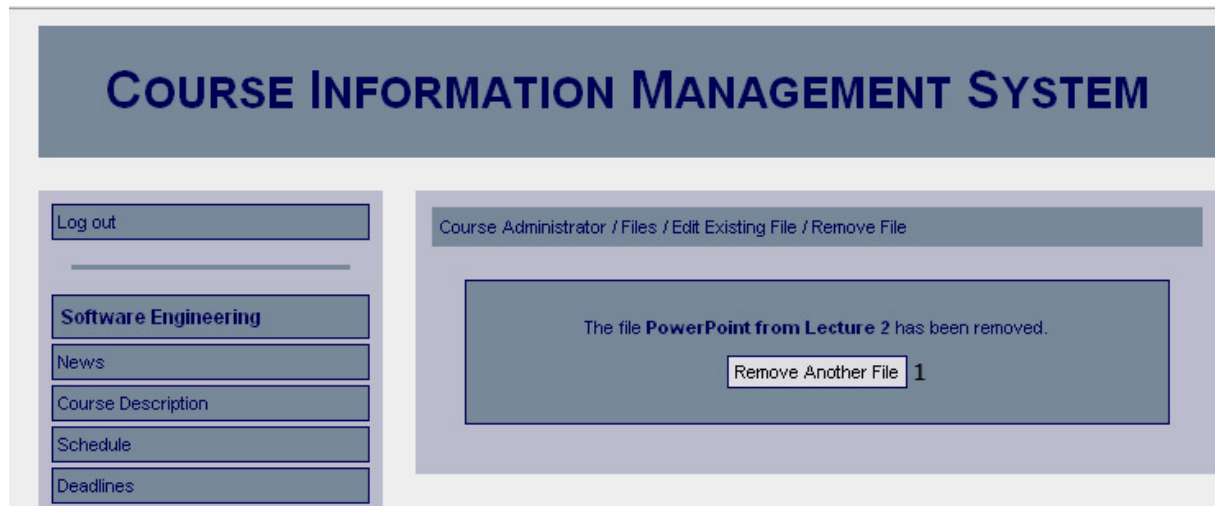
Controls

1. btnConfirmRemoveFile – Confirm that the selected file should be removed.

Methods

None

Remove File Confirmation



Functional Requirements

9.1

Controls

1. btnRemoveFile - Redirects the user to the add files page.

Methods

None

4.3.6 System Administration Pages

Courses

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button and a menu containing 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb 'System Administrator / Courses'. It features two sections: 'Add Course' and 'Edit Existing Course'. The 'Add Course' section includes a text input for 'Course Code' (labeled 1) and an 'Add' button (labeled 2). The 'Edit Existing Course' section includes a text input for 'Course Code' (labeled 3) and a 'Search' button (labeled 4).

Functional Requirements

13.3

Controls

1. txtCourseCode – Course code for the course to be added.
2. btnAddCourse – Invokes the addCourse method.
3. txtCourseCode – Course code for the course to edit.
4. btnSearchCourse – Invokes the searchCourse method.

Methods

addCourse - Adds the course with the given course code to the system.
searchCourse – Searches for the course with the given course code.

Course Added Confirmation

The screenshot shows the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface with the same sidebar as the previous image. The breadcrumb is 'System Administrator / Courses / Add'. A confirmation message states: 'A new course with course code DD1363 has been added.' Below the message are two buttons: 'Assign Course Leader' (labeled 1) and 'Add Another Course' (labeled 2).

Functional Requirements

13.3

Controls

1. btnAssignCourseLeader – Redirects the user to the user privileges page for courses.
2. btnAddAnotherCourse – Redirects the user to the course management page for system administrators.

Methods

None

Existing Courses List

The screenshot shows the 'Existing Courses List' page. At the top is a header 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu with 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb 'System Administrator / Courses / Edit Existing Course' and a message 'The following courses matched your search...'. Below this is a table with columns 'Course', 'Course Code', and 'Course Leader'. The table lists three courses: DD1360 (Introduction to Algorithms, Name No), DD1363 (Software Engineering, No Thing), and DD1364 (Operating Systems, No Name). Each row has an 'Edit' button.

Course	Course Code	Course Leader
DD1360	Introduction to Algorithms	Name No
DD1363	Software Engineering	No Thing
DD1364	Operating Systems	No Name

Functional Requirements

13.3

Controls

None

Methods

None

Edit Existing Course

The screenshot shows the 'Edit Existing Course' page. At the top is a header 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button and a menu with 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb 'System Administrator / Courses / Edit Existing Course / Edit' and a title 'Edit Existing Course'. Below the title are three fields: 'Course:' with the value 'Software Engineering', 'Course Leader:' with the value 'No Thing', and 'Course Code:' with a text input containing 'DD1363'. To the right of the 'Course Code' input are two radio buttons labeled '1' and '2'. A 'Save' button is at the bottom.

Functional Requirements

13.3

Controls

1. txtCourseCode – The new desired course code for the course.
2. btnSaveCourseCode – Invokes the method setCourseCode.

Methods

setCourseCode – Saves the given course code to the database.

Course Edited Confirmation

The screenshot displays the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button, a horizontal separator, and three menu items: 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb trail: 'System Administrator / Courses / Edit Existing Course / Edit'. Below this, a confirmation message states: 'The course with course code **DD1363** now has course code **DD1364**.' At the bottom of the message box are two buttons: 'Edit Another Course' and a button labeled '1'.

Functional Requirements

13.3

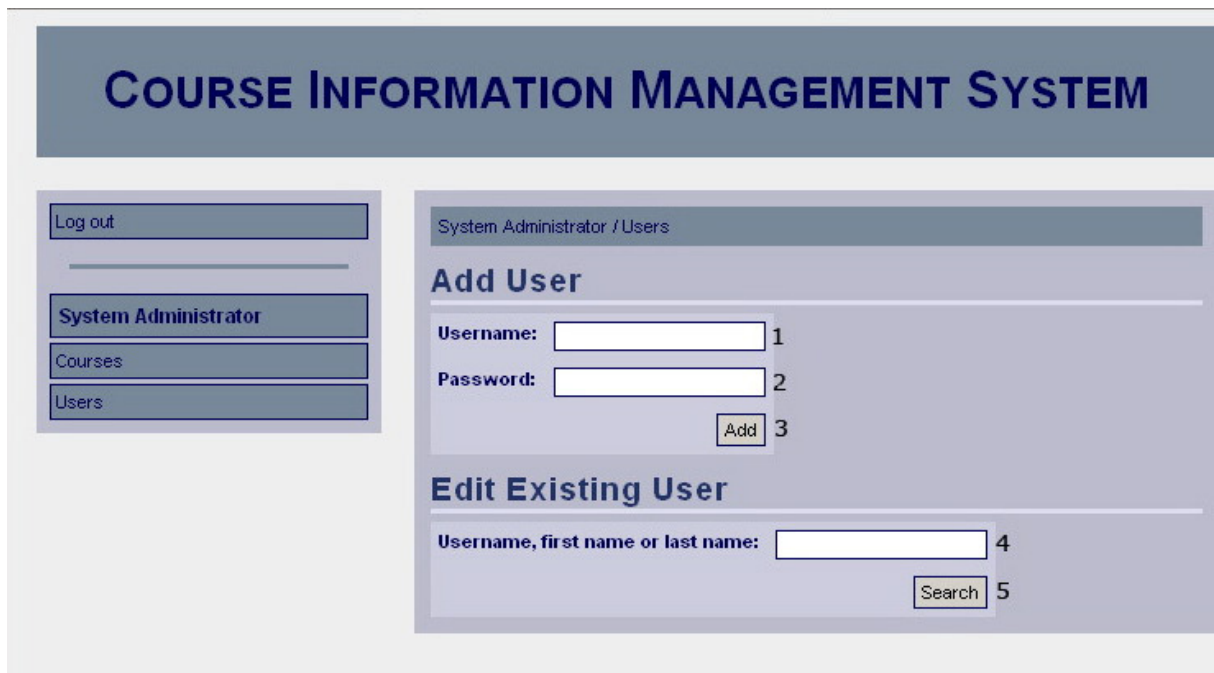
Controls

1. btnEditAnotherCourse – Redirects to the course management page for system administrators.

Methods

None

Users



COURSE INFORMATION MANAGEMENT SYSTEM

Log out

System Administrator

Courses

Users

System Administrator / Users

Add User

Username: 1

Password: 2

Add 3

Edit Existing User

Username, first name or last name: 4

Search 5

Functional Requirements

13.4

Controls

1. txtUsername – Username of the user to add.
2. txtPassword – Password of the user to add.
3. btnAdd – Invokes the addUser method.
4. txtSearchString – Search string used for finding a user.
5. btnSearch – Invokes the findUser method.

Methods

addUser – Adds a new user using the provided username and password

findUser – Attempts to find a user using the given search string.

Add User Confirmation

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

System Administrator

Courses

Users

System Administrator / Users / Add

A new user with username **nice_user** has been added.

Assign Privileges to User 1

Add Another User 2

Functional Requirements

13.4

Controls

btnAssignUserPrivileges – Redirects the user to the edit user privileges page.

btnAddAnotherUser – Redirects the user to the add user page.

Methods

None

Existing Users

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

System Administrator

Courses

Users

System Administrator / Users / Edit Existing User

The following users matched your search...

User	Firstname	Lastname	Edit Privileges	Edit Password	Remove
user1	Olle	Andersson	Edit Privileges	Edit Password	Remove
user2	Kalle	Johansson	Edit Privileges	Edit Password	Remove
user3	Olle	Johansson	Edit Privileges	Edit Password	Remove

Functional Requirements

13.1

13.4

Controls

None

Methods

None

Edit Password

The screenshot shows the 'Edit User Password' form within the 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar contains a 'Log out' button and a menu with 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb trail 'System Administrator / Users / Edit Existing User / Edit Password' and the title 'Edit User Password'. The form fields are: 'User:' with value 'user1', 'First name:' with value 'Olle', 'Last name:' with value 'Andersson', and 'Password:' with a masked input '*****'. A 'Save' button is at the bottom right. To the right of the password field is a label '1', and to the right of the 'Save' button is a label '2'.

Functional Requirements

13.4

Controls

1. txtPassword – The new password for the user.
2. btnSavePassword – Invokes the savePassword method.

Methods

savePassword – Saves the new password for the user in the database.

Edit Password Confirmation

The screenshot shows the 'Edit Password Confirmation' form within the 'COURSE INFORMATION MANAGEMENT SYSTEM'. The left sidebar is identical to the previous screenshot. The main content area has the same breadcrumb trail and title. A large message box in the center states 'The password for the user **user1** has been changed.' Below this message is an 'Edit Another User' button. To the right of the button is a label '1'.

Functional Requirements

13.4

Controls

1. btnEditAnotherUser – Redirects the user to the existing users page.

Methods

None

Edit User Privileges

The screenshot shows a web application interface for editing user privileges. At the top, a dark blue header bar contains the text 'COURSE INFORMATION MANAGEMENT SYSTEM'. Below this, on the left, is a vertical sidebar with a 'Log out' button and three menu items: 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb trail: 'System Administrator / Users / Edit Existing User / Edit Privileges'. The title of the form is 'Edit User Privileges'. The form contains the following fields and controls:

User:	user1
First name:	Olle
Last name:	Andersson
Course Leader:	<input type="checkbox"/> 1
Course Assistant:	<input type="checkbox"/> 2
System Administrator:	<input type="checkbox"/> 3
<input type="button" value="Save"/> 4	

Functional Requirements

13.1

Controls

1. chkCourseLeader – Indicates whether the user should have course leader privileges.
2. chkCourseAssistant – Indicates whether the user should have course assistant privileges.
3. chkSystemAdministrator – Indicates whether the user should have system administrator privileges.
4. btnSavePrivileges – Invokes the checkPrivileges method.

Methods

checkPrivileges – Determines whether more input is required to assign the selected privileges (happens if course leader or assistant has been selected), if not sends the user to the ask for confirmation screen.

Edit User Privileges – Course Privileges – Find Course

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

System Administrator

Courses

Users

System Administrator / Users / Edit Existing User / Edit Privileges

Edit User Privileges

For which course would you like to grant **user1** the course leader privilege?

Course Code: 2

Functional Requirements

13.1

Controls

1. txtCourseCode – Course code of the course for which to give the user privileges.
2. btnSearch – invokes the findCourse method.

Methods

findCourse – Attempts to find courses matching the given course code.

Edit User Privileges – Course Privileges – Select Course

COURSE INFORMATION MANAGEMENT SYSTEM

Log out

System Administrator

Courses

Users

System Administrator / Users / Edit Existing User / Edit Privileges

Select Course

The following courses matched your search...

Course Code	Course	Select
DD1360	Introduction to Algorithms	Select
DD1363	Software Engineering	Select
DD1364	Operating Systems	Select

Functional Requirements

13.1

Controls

None.

Methods

None.

Confirm Edit User Privileges

The screenshot shows the 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. On the left is a sidebar with a 'Log out' button, a horizontal separator, and three menu items: 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb trail: 'System Administrator / Users / Edit Existing User / Edit Privileges'. Below this is a confirmation box with the text: 'Are you sure that you would like to grant the user **user1** the following privilege? Course Leader for DD1363'. At the bottom of this box is a 'Confirm' button followed by the number '1'.

Functional Requirements

13.1

Controls

1. btnConfirmPrivileges – Invokes the savePrivileges method.

Methods

savePrivileges – Saves the new privileges in the database.

Edit User Privileges Confirmation

The screenshot shows the same 'COURSE INFORMATION MANAGEMENT SYSTEM' interface. The sidebar and breadcrumb trail are identical. The main content area now displays a message box with the text: 'The privileges for the user **user1** has been changed.'. Below this message is an 'Edit Another User' button followed by the number '1'.

Functional Requirements

13.1

Controls

1. btnEditAnotherUser – Redirects the user to the existing users page.

Methods

None

Confirm User Removal

The screenshot shows a web application interface for the 'COURSE INFORMATION MANAGEMENT SYSTEM'. On the left is a sidebar with a 'Log out' button, a horizontal separator, and three menu items: 'System Administrator', 'Courses', and 'Users'. The main content area has a breadcrumb trail 'System Administrator / Users / Edit Existing User / Remove User'. Below this is a large confirmation box with the text 'Are you sure that you would like to remove the user **user1** (Olle Johansson)?'. At the bottom of this box is a 'Confirm' button followed by the number '1'.

Functional Requirements

13.4

Controls

1. btnConfirm – Invokes the removeUser method.

Methods

removeUser – Removes the user and sends the user a confirmation.

User Removal Confirmation

The screenshot shows the same web application interface as the previous one. The sidebar and breadcrumb trail are identical. The main content area now displays a message box with the text 'The user **user1** has been removed.' Below this message is a button labeled 'Remove Another User'.

Functional Requirements

13.4

Controls

1. btnRemoveAnotherUser – Redirects the user to the existing users page.

Methods

None