

SubIt!

Group 1

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Functional Test Cases

Log in to the system

Functionality

Existing user identifies and authenticates himself/herself to the system.

Requirement

This test corresponds to Requirement #5 from the Requirements Document.

Inputs

Valid username and password.

Output and Observable Effects

User specific active courses page is displayed.

Procedure

1. Navigate to the SubIt! log in page.
2. Enter a valid username and password.
3. Press the "Log in" button.
4. Verify that the user specific active courses page is displayed.

List active courses

Functionality

Display a list of courses available.

Requirement

This test corresponds to Requirement #6 from the Requirements Document.

Inputs

None.

Output and Observable Effects

List of available courses is displayed.

Procedure

1. Log in as a valid user.
2. Select "Find course" in the system header.
3. Make sure the search textfield is empty.
4. Press the "Search" button.
5. Verify that a list of available courses is displayed.

Join a course

Functionality

Mark a valid user as active in an existing course.

Requirement

This test corresponds to Requirement #7 from the Requirements Document.

Inputs

The course name.

Output and Observable Effects

The course to be joined is shown in the list of active courses.

Procedure

1. Log in as a valid user.
2. Select "Find course" in the system header.
3. Enter the name of an existing course.
4. Press the "Search" button.
5. Select the course in the list of search results.
6. Select "Join course" in the course page.
7. Select "Current courses" in the system header.
8. Verify that the course just joined is listed as an active course.

List courses user is active in

Functionality

List courses that the user is active in.

Requirement

This test corresponds to Requirement #9 from the Requirements Document.

Inputs

None.

Output and Observable Effects

A list of user specific active courses is displayed.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Verify that a list of user specific active courses is displayed.

Submit an assignment

Functionality

Submit a file to an open assignment (an assignment where the hard deadline is not passed).

Requirement

This test corresponds to Requirement #13 from the Requirements Document.

Inputs

Local path to the file to be submitted.

Output and Observable Effects

File is displayed in the list of submitted files.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course associated with the open assignment.
4. Select the open assignment.
5. Enter the local path to the file to be submitted in the text field.
6. Press the "Submit" button.
7. Verify that the file is listed at the assignment page.

Create a project group

Functionality

Create a project group

Requirement

This test corresponds to Requirement #17 from the Requirements Document.

Inputs

The student types the name of the group and will join that group.

Output and Observable Effects

The group that you have joined and the group members of that particular group will be displayed.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Student enters the name of the group in the groupname textfield.
5. Press the "Submit" button.

Submit assignment as project group

Functionality

Lets a group to submit an assignment.

Requirement

This test corresponds to Requirement #18 from the Requirements Document.

Inputs

One of more files containing the group assignments.

Output and Observable Effects

Verify that the correct files got submitted.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "Browse" button.
5. To add more files to the project press "Add another file...".
6. Check the "Submit as project group" checkbox.
7. Press "Submit" button.

Leave a project group

Functionality

Let students change or leave groups.

Requirement

This test corresponds to Requirement #20 from the Requirements Document.

Inputs

None.

Output and Observable Effects

If the student isn't not in a group they will see a "Join group" label in the far right upper corner.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. If the student is in a group in the current course the student will be able to press "Leave Course".

View all students in a course

Functionality

Enables teachers and course leaders to view what students that are participating in the course.

Requirement

This test corresponds to Requirement #22 from the Requirements Document.

Inputs

None.

Output and Observable Effects

The student gets a list over the current students that are active in the corresponding course.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "View students" link.

View a submission in a course

Functionality

Enables the teachers and course leaders to view a specific submission in the corresponding course.

Requirement

This test corresponds to Requirement #23 from the Requirements Document.

Inputs

None.

Output and Observable Effects

The program that is associated to the assignment's file extension is started.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "View students" link.
5. Select the student of interest.
6. Select the assignment of interest.
7. The file is loaded and the corresponding program is loaded.

View a student's submissions

Functionality

A teacher or course leader can view a student's submission.

Requirement

This test corresponds to Requirement #24 from the Requirements Document.

Inputs

None.

Output and Observable Effects

A list over the student's submissions.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "View students" link.
5. Select the student of interest.

List all submissions in a course

Functionality

Enables teachers and course leaders to view all of the submitted submissions.

Requirement

This test corresponds to Requirement #25 from the Requirements Document.

Inputs

None.

Output and Observable Effects

A list over the submissions is shown.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "View all submissions" link.

Set a grade

Functionality

Allows the teachers and course leaders to set a grade for a submission or course for a specific student.

Requirement

This test corresponds to Requirement #26 from the Requirements Document.

Inputs

The grade that the student has earned and optional comments on the work.

Output and Observable Effects

The corresponding assignment has a grade after submitted grade.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Press the "View students" link.
5. Select the student of interest.
6. Select the assignment of interest.
7. Fill in the "Grade:" textbox the corresponding grade the student have earned.
8. Optional: The teacher could fill in a comment about the work.
9. Press the "Submit" button.

Add teacher**Functionality**

Lets the course leader add a teacher to the course that the course leader administrates.

Requirement

This test corresponds to Requirement #28 from the Requirements Document.

Inputs

The username of the teacher.

Output and Observable Effects

A new teacher is added to the teachers squad.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Select "Add teacher" link.
5. Enter the name of the teacher to be added in the "New teachers user-name:" box
6. Press "Add teacher" button.

Remove teacher

Functionality

Requirement

This test corresponds to Requirement #28 from the Requirements Document.

Inputs

None.

Output and Observable Effects

A teacher is removed from the teachers squad.

Procedure

1. Log in as a valid user.
2. Select "Current courses" in the system header.
3. Select the course of interest.
4. Select "Remove teacher" link.
5. Select "remove" on the corresponding teacher to remove the teacher.

Edit course description

Functionality

Edit the description of the course.

Requirement

This test corresponds to Requirement #29 from the Requirements Document.

Inputs

New course description.

Output and Observable Effects

The course description is changed.

Procedure

1. Log in as a course leader of the course.
2. Select "Current courses" in the system header.
3. Select the course from the list of active courses.
4. Select "Edit course description" from the course page.
5. Enter the new course description.
6. Press the "Save changes" button.
7. Verify on the course page that the description is changed.

Create assignment

Functionality

Add an assignment to a course.

Requirement

This test corresponds to Requirement #30 from the Requirements Document.

Inputs

Assignment name, description, start date, soft deadline, hard deadline

Output and Observable Effects

Assignment is added to the assignment list of the course.

Procedure

1. Log in as a course leader of the course.
2. Select "Current courses" in the system header.
3. Select the course from the list of active courses.
4. Select "Add assignment" from the course page.
5. Enter Assignment name and description and select a start date, soft deadline and hard deadline
6. Press the "Save changes" button.
7. Verify on the course page that the assignment is added.

Add user

Functionality

Adds a new user to the system.

Requirement

This test corresponds to Requirement #38 from the Requirements Document.

Inputs

Username, password, personal identification number

Output and Observable Effects

The user is added to the system.

Procedure

1. Log in as System administrator.
2. Select "Add user" from the start page.
3. Enter Username, password, personal identification number
4. Press the "Save changes" button.

5. Log out from the system.
6. Verify that the user exist by logging in as the new user.

Remove user

Functionality

Removes a user from the system.

Requirement

This test corresponds to Requirement #38 from the Requirements Document.

Inputs

Username.

Output and Observable Effects

The user is removed from the sytem.

Procedure

1. Log in as System administrator.
2. Select "Remove user" from the start page.
3. Enter the username of the user to be removed.
4. Press the "Remove user" button.
5. Log out from the system.
6. Verify that the user is removed by trying to log in as the user.

Add course

Functionality

Adds a new course to the sytem.

Requirement

This test corresponds to Requirement #39 from the Requirements Document.

Inputs

Course name, course description.

Output and Observable Effects

Course is added to the course list.

Procedure

1. Log in as System administrator.
2. Select "Add course" from the start page.
3. Enter course name and course description.
4. Press the "Create course" button.
5. Select "Find course" from the system header.
6. Enter the course name in the search field.
7. Verify that the course is listed.

Remove course**Functionality**

Removes a course from the system.

Requirement

This test corresponds to Requirement #39 from the Requirements Document.

Inputs

Course name.

Output and Observable Effects

The course is removed from the system.

Procedure

1. Log in as System administrator.
2. Select "Remove course" from the start page.
3. Enter course name.
4. Press the "Remove course" button.
5. Select "Find course" from the system header.
6. Enter the course name in the search field.
7. Verify that the course is not listed.

Set course as inactive

Functionality

The course is marked as inactive.

Requirement

This test corresponds to Requirement #40 from the Requirements Document.

Inputs

Course name.

Output and Observable Effects

Removes the course from the active courses list.

Procedure

1. Log in as System administrator.
2. Select "Set course as inactive" from the start page.
3. Enter course name.
4. Press the "Set course as inactive" button.
5. Select "Find course" from the system header.
6. Enter the course name in the search field.
7. Verify that the course is not listed.

Set course as active

Functionality

The course is marked as active.

Requirement

This test corresponds to Requirement #40 from the Requirements Document.

Inputs

Course name.

Output and Observable Effects

Adds the course to the active courses list.

Procedure

1. Log in as System administrator.
2. Select "Set course as active" from the start page.
3. Enter course name.
4. Press the "Set course as active" button.
5. Select "Find course" from the system header.
6. Enter the course name in the search field.
7. Verify that the course is listed.

Send message

Functionality

User sends a message to other user(s) of the system.

Requirement

This test corresponds to Requirement #42 from the Requirements Document.

Inputs

Recipient username(s), message subject and message

Output and Observable Effects

The message is sent to Recipients.

Procedure

1. Log in as a valid user.
2. Select "Inbox" in the system header.
3. Select "Compose message" in the message view.
4. Enter recipient(s) username(s), message subject, and message.
5. Press the "Send message" button.
6. Verify that the confirmation message is shown.