



**HACETTEPE UNIVERSITY DEPARTMENT OF  
COMPUTER ENGINEERING**

**BBM384: SOFTWARE ENGINEERING LABORATORY**

**TEST CASE LIST**

**GROUP TEAMSCRIPT**

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### 1 - Sign up Test Case:

**Description:** This test case is checking the sign up functionality. If the user is able to sign up successfully, the user will be registered in the system and the test case will pass.

**Pre-condition:**

- The user has not been registered in the database.
- The user information is valid.
- The user fills in the form correctly from the sign up page.

**Post-condition:**

- The Administrator will be notified that the user wants to sign up.

**Data Required:**

- User information:
  - Name: Name of the user.
  - UserID: User ID of the user. Student Id, Academics Id etc.
  - Password: Password of the user.

### 2 - Login With Valid User Test Case:

**Description:** This test case is checking the login functionality. If the user is able to login successfully, the user will be able to access the system and the test case will pass.

**Pre-condition:**

- The user has been registered in the database.
- The user information is correct and valid.
- The user fills in the form correctly from the login page.
- The user id and password is matched with the database.

**Post-condition:**

- The user will be logged in the system. User sessions will be created.

**Data Required:**

- User information:
  - UserID: User ID of the user. Student Id, Academics Id etc.
  - Password: Password of the user.

### 3 - Login With Invalid User Test Case:

**Description:** This test case is checking the login functionality. If the error message is displayed when the user is trying to login with invalid user information, test case will pass.

**Pre-condition:**

- The user information is not valid.
- The user fills in the form correctly from the login page.

**Post-condition:**

- The user will not be logged in the system. Show error snackbar at the UI.

**Data Required:**

- User information:
  - UserID: Wrong User ID of the user. Student Id, Academics Id etc.
  - Password: Wrong Password of the user.

### 4 - Search User Test Case:

**Description:** This test case is checking the search user functionality. If the search field is filled in correctly, the system will be able to search the user and the test case will pass.

**Pre-condition:**

- The user(s) id or name is typed in the search field.
- The user(s) will be searched if they are registered in the database.

**Post-condition:**

- The user list will be shown in the search result. (If no user found, the user list will be empty)

**Data Required:**

- User information (User ID or Name):
  - UserID: User ID of the user. Student Id, Academics Id etc.
  - Name: Name of the user.

## 5 - View User Information Test Case:

**Description:** This test case is checking the view user information functionality. The user has to be authorized to view the user information. If the user can view the user information successfully, the test case will pass.

**Pre-condition:**

- The user type is required.
- The user is authorized to view the user information.

**Post-condition:**

- The user information will be shown.

**Data Required:**

- User information:
  - UserID: User ID of the user. Student Id, Academics Id etc.
  - Name: Name of the user.

## 6 - Adding Internship or Scholarship Advert Test Case:

**Description:** This test case is checking the adding internship or scholarship advert functionality. If the user is Academic, the user will be able to add an internship or scholarship advert. If the user can add the internship or scholarship advert successfully, the test case will pass.

**Pre-condition:**

- The user is an Academic.
- The internship or scholarship advert information.
- The user fills in the form correctly from the adding internship or scholarship advert page.

**Post-condition:**

- The internship or scholarship advertisement will be added to the database.

**Data Required:**

- Internship or Scholarship advertisement information:
  - ID: ID of the internship or scholarship advertisement.
  - Title: Title of the internship or scholarship advertisement.
  - Description: Description of the internship or scholarship advertisement.
  - Start Date: Start date of the internship or scholarship advertisement.
  - End Date: End date of the internship or scholarship advertisement.
  - Location: Location of the internship or scholarship advertisement.
  - Contact: Contact of the internship or scholarship advertisement.
  - Type: Type of the internship or scholarship advertisement. Internship or Scholarship.

## 7 - Remove Internship or Scholarship Advert Test Case:

**Description:** This test case is checking the removed internship or scholarship advert functionality. If the user is Academic, the user will be able to remove internship or scholarship advertisements. If the user can remove the internship or scholarship advert successfully, the test case will pass.

**Pre-condition:**

- The user is an Academic.
- The internship or scholarship advertisement is in the database.
- The user has the Internship or Scholarship advertisement id.

**Post-condition:**

- The internship or scholarship advertisement will be removed from the database.

**Data Required:**

- Internship or Scholarship advertisement information:
  - ID: ID of the internship or scholarship advertisement.

## 8 - Add Job Advert Test Case:

**Description:** This test case is checking the add job advert functionality. If the user is Graduate, the user will be able to add a job advert. If the user can add the job advert successfully, the test case will pass.

**Pre-condition:**

- The user is a Graduate.
- Job advert information is filled in the UI form correctly.

**Post-condition:**

- The job advertisement will be added to the database.

**Data Required:**

- Job advert information:
  - ID: ID of the job advertisement.
  - Title: Title of the job advertisement.
  - Description: Description of the job advertisement.

- Start Date: Start date of the job advertisement.
- End Date: End date of the job advertisement.
- Location: Location of the job advertisement.
- Contact: Contact of the job advertisement.

### 9 - Applying for Internship/Scholarship/Job Advert Test Case:

**Description:** This test case is checking the application for internship/scholarship/job advert functionality. If the user is a student, the user will be able to apply for an internship/scholarship/job advert. If the user can apply for the internship/scholarship/job advert successfully, the test case will pass.

**Pre-condition:**

- The user is a Student.
- The internship/scholarship/job advert is in the database.
- The user has the Internship/Scholarship/Job Advert id.
- The Student clicks on the apply button.

**Post-condition:**

- The Student will apply for the internship/scholarship/job advert.

**Data Required:**

- Internship/Scholarship/Job Advert information:
  - ID: ID of the internship/scholarship/job advert.

### 10 - Request Online Materials Test Case:

**Description:** This test case is checking the Students can request lecture notes, lecture videos, articles, conference papers, and other online materials. If the student can request online resources successfully, the test case will pass.

**Pre-condition:**

- The user is a Student.
- The online materials are available in the database.

- The Student selects the online materials.
- The Student clicks on the request button.

**Post-condition:**

- The Academic, who has the requested online materials, will be notified that the student has requested online materials.
- The Student will request online materials.

**Data Required:**

- ID: ID of the online material.

## 11 - Add New Events Test Case:

**Description:** This test case is checking the adding new events functionality. Student representatives can create new activities and distribute this activity to all users.

If the student representative can add new events successfully, the test case will pass.

**Pre-condition:**

- The user is a Student and has a representative role.
- The event information is filled in the UI form correctly.

**Post-condition:**

- The event will be added to the database.
- All users will be notified that the event has been created.

**Data Required:**

- Event information:
  - ID: ID of the event.
  - Description: Description of the event.
  - Date: Date of the event.
  - Location: Location of the event.



### 12 - Send Message (Chat) Test Case:

**Description:** This test case is checking the sending message functionality. Students, Graduates and Academics can send messages to each other. If a user can send a message successfully, the test case will pass.

**Pre-condition:**

- The user is a Student, Graduate or Academic.
- The message information is filled in the UI form correctly.
- The user has the receiver id and fills in the message field.
- The user clicks on the send button.

**Post-condition:**

- The message will be sent to the receiver.
- The receiver will be notified that the message has been sent.

**Data Required:**

- Message information:
  - Message: Message of the message.
  - Receiver: Receiver of the message.

### 13 - Receive Message (Chat) Test Case:

**Description:** This test case is checking the receiving message functionality. Students, Graduates and Academics can receive messages from each other. If a user can receive a message successfully, the test case will pass.

**Pre-condition:**

- The user is a Student, Graduate or Academic.
- The user opens the chat page or opens from notifications.

**Post-condition:**

- The user will receive and see the message.

**Data Required:**

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### 14 - Create Online Meeting Test Case:

**Description:** This test case is checking the creating online meeting functionality. Graduates and Academics can only create online meetings. If a user can create online meetings successfully, the test case will pass.

**Pre-condition:**

- The user is a Graduate or Academic.
- The meeting url is filled in the UI form correctly.
- The user clicks on the create button.

**Post-condition:**

- The meeting will be created in the database.
- All users will be notified that the meeting has been created.

**Data Required:**

- Meeting information:
  - ID: ID of the meeting.
  - Meeting Url: URL of the meeting. Zoom, Google Meet, etc.
  - Date: Date of the meeting.

### 15 - Remove Online Meeting Test Case:

**Description:** This test case is checking the removing online meeting functionality. Graduates and Academics can only remove online meetings. If a user can remove an online meeting successfully, the test case will pass.

**Pre-condition:**

- The user is authorized to remove online meetings.
- The meeting is in the database.

- The user has the meeting id.

**Post-condition:**

- The meeting will be removed from the database.
- All users will be notified that the meeting has been removed.

**Data Required:**

- Meeting information:
  - ID: ID of the meeting.

## 16 - Forgot Password Test Case:

**Description:** In this test, if Student, Graduate and Academics forget their passwords, the Administrator will be notified to renew the password. If the Administrator has received the notification successfully, the test case will pass.

**Pre-condition:**

- The user is already registered.
- The user clicks on the forgot password button.
- The user fill in the user id

**Post-condition:**

- The Administrator will be notified that the user has forgotten the password.

**Data Required:**

- User information:
  - ID: ID of the user.

### 17 - Upload Video Test Case:

**Description:** In this test case, it is aimed to upload a video to the system. Only Academics and Graduates can do this. If the user can upload the video successfully, the test case will pass.

**Pre-condition:**

- The user is authorized to upload the video.
- The video format is correct.
- The user has the video file.
- The user clicks on the upload button then fill in the video information.

**Post-condition:**

- The video will be uploaded to the system.
- The Administrator will be notified that the video has been uploaded.

**Data Required:**

- Uploader Information: The user who uploads the video.
- Video information:
  - ID: ID of the video.
  - Title: Title of the video.
  - File: File of the video.

### 18 - Watch Video Test Case:

**Description:** In this test case, it is aimed to watch a video in the system. Academics, Graduates and Students can do this. If the user can watch the video successfully, the test case will pass.

**Pre-condition:**

- The user is authorized to watch the video.
- The video is in the database.
- The user has the video id.

**Post-condition:**

- The video will be watched.

**Data Required:**

- Video information:
- ID: ID of the video.

### 19 - Write Comment Under Presentations Test Case:

**Description:** In this test case, Students, Graduates and Academics can write comments under the presentation. If the user can write comments successfully, the test case will pass.

**Pre-condition:**

- The user is authorized to write comments.
- The presentation is in the database.
- The user has the presentation id.
- The user has the comment information.
- The user writes down the comment.
- The user clicks on the submit button.

**Post-condition:**

- The comment will be written to the database.
- The presentation owner will be notified that the comment has been written.

**Data Required:**

- Presentation information:
  - ID: ID of the presentation.
- Comment information:
  - Content: Content of the comment.
  - Date: Date of the comment.

## 20 - Email To All Users Test Case:

**Description:** In this test case, Graduates and Academics can send email to any user. If the user can send email successfully, the test case will pass.

**Pre-condition:**

- The user is authorized to send email.
- The user has the email information.
- The user writes down the email content and receiver information.
- The user clicks on the send button.

**Post-condition:**

- The email will be sent to the receiver.
- Receiver will be notified that the email has been sent.

**Data Required:**

- Email information:
  - Content: Content of the email.
  - Receiver: Receiver Information of the email.