# HACETTEPE UNIVERSITY
## ENGINEERING FACULTY
DEPARTMENT OF COMPUTER ENGINEERING

BM384 Software Engineering Lab - 2023  Spring

# TEST CASE TABULAR DESCRIPTIONS

April  9, 2023

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| ICES4HU | Version 1.0 |
|---|---|
| System Test Case Definitions | Date: 08/04/2023 |

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# ICES4HU

# Test Case Definitions

## Test Case : Enroll in system

| Test Case ID: ICES4HU-TC-01 | Test Description: |
|---|---|
| Test Name: Enroll in system | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-01 | Test Designed Date: 07/04/2023 |
| Test Priority (Low/Medium/High): High | Test Executed by: Yusuf Koca |
| Module Name: - | Test Execution Date: 07/04/2023 |

| Pre-conditions: |
|---|
| 1. The user should not have registered to the system. |

| Dependencies: - |
|---|

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | **P** | **F** |
| 1 | The user registers with the correct entry. | 1 | Registration is successful. | | The registration mail must have extension cs.hacettepe, written ID must be in correct form, password should be at least 8 characters long. | | |
| 2 | The user does not enter cs-hacettepe mail. | 2 | The user cannot register. The system gives a message about the incorrect form. | | | | |

| 3 | The user does not enter the ID in the correct form. | 3 | The user cannot register. The system gives a message about the incorrect form. | | | | |
| 4 | The user enters missing information. | 4 | The user cannot register. The system gives a message about the missing information. | | | | |
| 5 | The user enters an email, phone number, student/instructor id that is already taken. | 5 | The user cannot register. The system gives a message about the already taken email, phone number or student/instructor id. | | | | |

| Test Data Table | | | | | |
| --- | --- | --- | --- | --- | --- |
| | **1** | **2** | **3** | **4** | **5** |
| Name | Yusuf | Yusuf | Yusuf | Yusuf | Yusuf |
| Surname | Koca | Koca | Koca | Koca | Koca |
| ID | 2200356013 | 2200356013 | 22003axc | 2200356013 | 2200356013 |
| E-mail | b2200356013@cs.hacettepe.edu.tr | b2200356013@gmail.com | b2200356013@cs.hacettepe.edu.tr | | b2200356013@cs.hacettepe.edu.tr |
| Role Type | Student | Student | Student | Student | Student |
| Password | 12345678 | 12345678 | 12345678 | 12345678 | 12345678 |
| **Post-conditions:** The account should be created in the database and the user will be able to login. | | | | | |

## Test Case : Login

| Test Case ID: ICES4HU-TC-02 | Test Description: |
|---|---|
| Test Name: Login | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-02 | Test Designed Date: 07/04/2023 |
| Test Priority (Low/Medium/High): High | Test Executed by: Yusuf Koca |
| Module Name: - | Test Execution Date: 07/04/2023 |
| | |
| **Pre-conditions:**<br>1. The user has an account for the system<br>2. The user is not logged into his account. | |
| **Dependencies:**<br>1. ICES4HU-UC-01 | |
| | |

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | The user enters correct information. | 1 | The user logs in. | | | | |
| 2 | The user enters an email that is not matched with any existing user. | 2 | The user cannot log in. The system gives a message about incorrect email. | | | | |
| 3 | The user enters a matching email but the password does not match with the one in the system. | 3 | The user cannot log in. The system gives a message about incorrect password. | | | | |
| 4 | The user does not fill in the required information. | 4 | The user cannot log in. The system gives a message about unfilled space. | | | | |

| Test Data Table | | | | |
|---|---|---|---|---|
| | **1** | **2** | **3** | **4** |
| Email | b2200356013@cs.hacettepe.edu.tr | b2200356010@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr |
| Password | 12345678 | 12345678 | 1234 | |
| **Post-conditions:** After successful authentication, the user will be logged in to the system and granted access to its functionalities. | | | | |

## Test Case : Forgot password

| | |
|---|---|
| **Test Case ID:** ICES4HU-TC-03 | **Test Description:** |
| **Test Name:** Forgot password | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-03 | **Test Designed Date:** 07/04/2023 |
| **Test Priority (Low/Medium/High):** Medium | **Test Executed by:** Yusuf Koca |
| **Module Name:** - | **Test Execution Date:** 07/04/2023 |

**Pre-conditions:**
1. The user must be registered to the system.
2.The user is required to receive a "forgot password" request in the event that they are unable to recall their login credentials.

**Dependencies:**
1. ICES4HU-UC-01
2. ICES4HU-UC-02

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | **P** | **F** |
| 1 | The user enters the correct email to get a new password. | 1 | The user gets a new password to their email. | | Administrator gives the user a new password. | | |
| 2 | The user enters an invalid email. | 2 | The user does not get a new password. The system gives a message about invalid email. | | | | |
| 3 | The user does not enter an email. | 3 | The user does not get a new password. The system gives a message about unfilled space. | | | | |

| Test Data Table | | | |
|---|---|---|---|
| | **1** | **2** | **3** |
| Email | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe | |
| **Post-conditions:** In order to assist a user who has forgotten their password, the administrator is responsible for sending a new password to the user's email address and updating the password in the database accordingly. | | | |

## Test Case : Manage Profile

| Test Case ID: ICES4HU-TC-04 | Test Description: |
|---|---|
| Test Name: Manage Profile | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-04 | Test Designed Date: 07/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: - | Test Execution Date: 07/04/2023 |
| | |
| Pre-conditions:<br>1. The user must be registered to the system.<br>2. The user must be logged in. | |
| Dependencies:<br>1.ICES4HU-UC-05 | |

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | P | F |
|---|---|---|---|---|---|---|---|
| 1 | The user clicks on the manage profile button and changes their informations with valid informations and saves. | 1 | The users' informations are updated. | | Email must be cs-hacettepe email, password must be at least 8 characters long. | | |
| 2 | The user clicks on the manage profile button and tries to change their informations with invalid informations (email or password with invalid form) and saves. | 2 | The users' informations are not updated. The system gives a message about invalid information. | | | | |
| 3 | The user clicks on the manage profile button and leaves a space blank and saves. | 3 | The users' informations are not updated. The system gives a message about missing informations. | | | | |
| 4 | The user clicks on the manage profile button does or does not do any | 4 | The users' informations are not updated. | | | | |

| | changes and clicks cancel. | | | | | | |
|---|---|---|---|---|---|---|---|

| **Test Data Table** | | | | |
|---|---|---|---|---|
| | **1** | **2** | **3** | **4** |
| Email | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe | | b2200356013@cs.hacettepe.edu.tr |
| Phone number | 5065446334 | 5065446334 | 5065446334 | 5065446334 |
| Password | 12345678 | 12345678 | 12345678 | |
| **Post-conditions:** The users' profile is updated. | | | | |

## Test Case : View Profile

| Test Case ID: ICES4HU-TC-05 | Test Description: |
| --- | --- |
| **Test Name:** View Profile | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-05 | **Test Designed Date:** 07/04/2023 |
| **Test Priority (Low/Medium/High):** Medium | **Test Executed by:** Yusuf Koca |
| **Module Name: -** | **Test Execution Date:** 07/04/2023 |
| | |
| **Pre-conditions:** <br> 1. The user must be registered to the system. <br> 2. The user must be logged in. | |
| **Dependencies:** <br> 1.  ICES4HU-TC-04 | |

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | **P** | **F** |
| **1** | The user clicks on view profile button and sees their informations. | 1 | The user is able to see their informations. | | | | |

| Test Data Table | | |
| --- | --- | --- |
| | **1** | |
| View profile | Users informations. | |
| **Post-conditions:** The user sees their informations. | | |

## Test Case : Evaluate survey

| | |
|---|---|
| **Test Case ID:** ICES4HU-TC-06 | **Test Description:** |
| **Test Name:** Evaluate survey | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-06 | **Test Designed Date:** 07/04/2023 |
| **Test Priority (Low/Medium/High):** High | **Test Executed by:** Yusuf Koca |
| **Module Name: Student** | **Test Execution Date:** 07/04/2023 |

**Pre-conditions:**
1. The student must be registered to the system.
2. The student must be enrolled in at least one class.
3. A survey must be shared for a class/instructor the student takes.
4. The student must be logged in.

**Dependencies:**
1. ICES4HU-UC-08

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | The student views course schedule and starts filling out the survey. Fills in all areas or more than mandatory spaces. Submits the survey. | 1 | The survey is submitted successfully and can be viewed from the view course schedule page. System gives a message for successful completion. The student gets a certificate via email. | | First 8 questions are mandatory, rest is usually optional. | | |
| 2 | The student views course schedule and starts filling out the survey. Fills in some areas. Saves answers and leaves to fill out later. | 2 | The survey is uncomplete but answers are saved. It can be continued from view course schedule page. System gives a message about answers being saved. | | | | |
| 3 | The student views course schedule and starts filling out an uncompleted survey from before. Fills in remaining areas, may change some previous | 3 | The survey is submitted successfully and can be viewed from view course schedule page. System gives a message for successful completion. The | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | answers. Submits the survey. | | student gets a certificate via email. | | | | |
| 4 | The student views course schedule and starts filling out an uncompleted survey from before. Fills in remaining areas, may change some previous answers. Saves answers and leaves to fill out later. | 4 | The survey is uncomplete but answers are saved. It can be continued from view course schedule page. System gives a message about answers being saved. | | | | |
| 5 | The student views course schedule and views his answers on a completed survey. | 5 | System displays a page with submitted answers. | | | | |
| 6 | The student does not submit his answers in time. | 6 | Student receives a non responder email. The student cannot view their results for this survey in their view course schedule page. | | | | |

| Test Data Table | | | | | | |
|---|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** | **6** |
| Survey state | Unsolved | Unsolved | Unsolved | Unsolved | Solved | Unsolved |
| Pressed button in view course page | Start solving | Start solving | Continue solving | Continue solving | See answers | - |
| Pressed button in survey page | Submit | Save answers | Submit | Save answers | - | - |
| **Post-conditions:** The user submits survey, saves some of their answers for a survey or views a completed survey. | | | | | | |

**Test Case : View course schedule**

| Test Case ID: ICES4HU-TC-07 | Test Description: |
|---|---|
| Test Name: View course schedule | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-07 | Test Designed Date: 07/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Student | Test Execution Date: 07/04/2023 |
| | |
| **Pre-conditions:**<br>1. The student must be registered to the system.<br>2. The student must be enrolled in at least one class.<br>1.The student must have logged in to the system,<br>2.The user must have taken the course from the owner of the relevant survey, namely the instructor<br>3.The user completed the survey on time. | |
| **Dependencies:**<br>1.ICES4HU-UC-06 (Evaluate Survey) | |
| | |

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | P | F |
| **1** | The student logs in. Presses "view course schedule" button. He sees the courses/instructors. He does not see any surveys under them. | 1 | User sees the course schedule page. Their courses and classes but sees no surveys posted yet. | | | | |
| **2** | The student logs in. Presses "view course schedule" button. He sees the courses/instructors. He sees a red marked survey/surveys under them and clicks one. | 2 | User sees the course schedule page. Their courses and classes but sees an unsolved survey, starts solving. | | | | |
| **3** | The student logs in. Presses "view course schedule" button. He sees the courses/instructors. He sees an orange marked survey/surveys under them and clicks one. | 3 | User sees the course schedule page. Their courses and classes but sees an unsolved but a survey they saved some answers to continue later, starts to | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | continue solving. | | | | |
| **4** | The student logs in. Presses "view course schedule" button. He sees the courses/instructors. He sees a green marked survey/surveys under them and clicks one. | 4 | User sees the course schedule page. Their courses and classes but sees a solved survey, views their answers. | | | | |
| **4** | The student logs in. Presses "view course schedule" button. He sees the courses/instructors. He sees a gray marked survey/surveys under them, he cannot click it. | 4 | User sees the course schedule page. Their courses and classes but sees an unsolved and unsubmitted survey. They cannot do anything about it. | | | | |

| Test Data Table | | | | | |
|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** |
| Survey | No survey | Unsolved survey in submission time | Unsolved but a survey saved to continue for later. | Solved survey | Unsolved and unsubmitted survey |
| **Post-conditions:** The user sees their courses/instructors and surveys with their situations under them. | | | | | |

**Test Case : Reminders**

| Test Case ID: ICES4HU-TC-08 | Test Description: |
|---|---|
| Test Name: Reminders | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-08 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Low | Test Executed by: Yusuf Koca |
| Module Name: Student/Instructor | Test Execution Date: 08/04/2023 |
| | |

**Pre-conditions:**
1. The student must be registered/the instructor must be added to the system.
2. The student must be enrolled in at least one class.
3. The student/instructor must be logged in.
4. The student/instructor must have at least one unfinished survey.

**Dependencies:**
-

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | Status F |
|---|---|---|---|---|---|---|---|
| 1 | The student/instructor enters the system. The system checks how many unfinished surveys they have. They don't have any unfinished surveys. | 1 | The system gives no pop-up reminder. | | pop-up is a window in the page it doesn't pop up a new tab. | | |
| 2 | The student enters the system. The system checks how many unfinished surveys they have. The student has at least one unsubmitted survey. | 2 | The system gives a pop-up reminder message about how many unsubmitted surveys they have. | | | | |
| 3 | The instructor enters the system. The system checks how many unfinished surveys they have. The student has at least one unpublished survey. | 3 | The system gives a pop-up reminder message about how many unpublished surveys they have. | | | | |

| Test Data Table | | | |
|---|---|---|---|
| | **1** | **2** | **3** |
| User type | Student/Instructor | Student | Instructor |
| Has unfinished surveys? | No | Yes | Yes |
| **Post-conditions:** The user got a reminder message. | | | |

## Test Case : Create electronic surveys

| Test Case ID: ICES4HU-TC-09 | Test Description: |
|---|---|
| Test Name: Create electronic surveys | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-09 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): High | Test Executed by: Yusuf Koca |
| Module Name: Instructor | Test Execution Date: 08/04/2023 |
| | |

**Pre-conditions:**
1. The instructor must be added to the system.
2. The instructor must be giving at least one class.
3. The instructor must be logged in.

**Dependencies:**
1. ICES4HU-UC-08(Reminders)

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Instructor logs into the system. Presses create new survey button. Chooses the type of survey between themselves or courses they give. Starts creating the survey by either adding from the question pool or creating new questions. Saves all questions and submits the survey. | 1 | A new survey is created. Admin is notified about the survey. | | First 8 questions are mandatory to have in the survey as default. | | |
| 2 | Instructor logs into the system. Presses create new survey button. Chooses the type of survey between themselves or courses they give. Starts creating the survey by either adding from the question pool or | 2 | Survey is saved to continue creation for later. Instruction can access it under continue surveys tab. | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | creating new questions. Saves the survey and chooses to continue later. | | | | | | |
| **3** | Instructor logs into the system. Presses continue surveys button. Chooses the survey they wanna continue creating. Starts continuing the survey by either adding from the question pool or creating new questions. Saves the all questions and submits the survey. | 3 | A new survey is created. Admin is notified about the survey. | | | | |
| **4** | Instructor logs into the system. Presses continue surveys button. Chooses the survey they wanna continue creating. Starts continuing the survey by either adding from the question pool or creating new questions. Saves the survey and chooses to continue later. | 4 | Survey is saved to continue creation for later. Instruction can access it under continue surveys tab. | | | | |

| Test Data Table | | | | |
|---|---|---|---|---|
| | **1** | **2** | **3** | **4** |
| Survey access button | Create new survey | Create new survey | Continue surveys | Continue surveys |
| Survey status | Submitted. | Saved for later. | Submitted. | Saved for later. |
| **Post-conditions:** Instructor created a new survey. Either submitted or saved for later. | | | | |

## Test Case : Manage published surveys

| Test Case ID: ICES4HU-TC-10 | Test Description: |
|---|---|
| Test Name: Manage published surveys | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-10 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Instructor | Test Execution Date: 08/04/2023 |
| | |

**Pre-conditions:**
1. The instructor must be added to the system.
2. The instructor must be giving at least one class.
3. The instructor must be logged in.
4.A survey must be published.

**Dependencies:**
-

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Instructor logs into the system. Clicks on manage published surveys button. Sees their published surveys. | 1 | Instructor sees which surveys they posted. | | | | |
| 2 | Instructo logs into the system. Clicks on manage published surveys button. Sees their published surveys. Clicks a preview button on a survey. | 2 | Instructor sees a page that shows the survey from the POV of a student. | | | | |
| 3 | Instructo logs into the system. Clicks on manage published surveys button. Sees their published surveys. Changes submission date of a survey. | 3 | Submission date of a survey is changed. Students that must solve the survey are notified via email. | | | | |

| Test Data Table | | | |
|---|---|---|---|
| | 1 | 2 | 3 |
| Clicked button | - | Preview Survey | Change submission date |
| **Post-conditions:** The instructor managed their published surveys. | | | |

## Test Case : See evaluation results

| Test Case ID: ICES4HU-TC-11 | Test Description: |
|---|---|
| **Test Name:** See evaluation results | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-11 | **Test Designed Date:** 08/04/2023 |
| **Test Priority (Low/Medium/High):** High | **Test Executed by:** Yusuf Koca |
| **Module Name:** Instructor/Department manager | **Test Execution Date:** 08/04/2023 |

**Pre-conditions:**
1.The Instructors or Department Manager has logged into the system.
2.Any survey of his/her own must be completed.

**Dependencies:**
1..ICES4HU-UC-09

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Instructor logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. He presses view results button on a survey. | 1 | Instructor sees evaluation results anonymously. | | Instructor cannot see who gave the answers. | | |
| 2 | Department manager logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. He presses view results button on a survey. | 2 | Department manager sees evaluation results and who gave the answers. | | Department manager is able to see individuals' names with their answers. | | |
| 3 | Instructor logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. He presses view results button on a survey. | 3 | Instructor downloads evaluation results anonymously. | | | | |
| 4 | Department manager logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. They press view results button on a survey. | 4 | Department manager evaluation downloads results. | | | | |
| 5 | Instructor logs in to the system. Presses | 5 | Instructor sends a re- | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | resulted surveys button. They see all resulted surveys in a list. They pres re-evaluate button on a survey. | | evaluate request. System forwards it to the department manager. | | | | |
| **6** | Department manager logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. They see a re-evaluate request on a survey. They decline. | 6 | Department manager declines the request. Instructor is notified about the decline. | | | | |
| **7** | Department manager logs in to the system. Presses resulted surveys button. They see all resulted surveys in a list. They see a re-evaluate request on a survey. They accept. | 7 | Department manager accepts the request. Instructor is notified about the acception. Survey is sent back to students. | | | | |

| Test Data Table | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| Role type | Instructor | Department manager | Instructor | Department manager | Instructor | Department manager | Department manager |
| Pressed button | View results | View results | Download results | Download results | Re-evalute | Re-evaluate request | Re-evaluate request |
| Re-evaluatestatus | - | - | - | - | Request sent | Request declined | Request accepted |
| **Post-conditions:** | | | | | | | |

## Test Case :  View and download shared documents

| Test Case ID: ICES4HU-TC-12 | Test Description: |
|---|---|
| Test Name: View and download shared documents | Test Designed by: Esad Boran |
| Use Case Tested : ICES4HU-UC-12 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Low | Test Executed by: Esad Boran |
| Module Name: Instructor/Department manager | Test Execution Date: 08/04/2023 |
| | |

| Pre-conditions: |
|---|
| The user must be logged into the system |

| Dependencies: |
|---|
| ICES4HU-UC-13 |

| | |
|---|---|

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | P | F |
| 1 | Instructor logs in to the system. Instructors go to the "Shared Resources" section. The system redirects the instructors to a page that displays all shared resources. Instructors select a resource and click the "View" button next to the resource. After the instructors view the resource, they click the "Exit" button to end the viewing and leaves the page. | 1 | The Instructor views the document | | | | |
| 2 | Instructor logs in to the system. Instructors go to the "Shared Resources" section. The system redirects the instructors to a page that displays all shared resources. Instructors select a resource and click the "Download" button next to the resource. | 2 | The instructor downloads the document | | | | |
| 3 | Instructor log in to the system. Instructors go to the "Shared Resources" section. The system redirects the instructors to a | 3 | Instructor sees a message. | | If there is no docum ents instead | | |

| | page that displays all shared resources. Instructors sees a message that says "Curently there is no resources shared". | | | | of listing them system shows the messa ge. | | |
|---|---|---|---|---|---|---|---|

| Test Data Table | | | |
|---|---|---|---|
| | **1** | **2** | **3** |
| Is there any resources ? | Yes. | Yes. | No. |
| Clicked button | View | Download | - |
| **Post-conditions:** The instructor accessed a resource provided by the department manager, either by viewing it or by downloading it. | | | |

## Test Case : Share documents with instructors

| Test Case ID: ICES4HU-TC-13 | Test Description: |
|---|---|
| Test Name: Share documents with instructors | Test Designed by: Esad Boran |
| Use Case Tested : ICES4HU-UC-13 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Low | Test Executed by: Esad Boran |
| Module Name: Instructor/Department manager | Test Execution Date: 08/04/2023 |
| | |
| Pre-conditions:<br>1.The department manager must be logged into the system. | |
| Dependencies:<br>ICES4HU-UC-12 (View shared documents) | |

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | The department manager goes to the documents and announcements sharing section of the system. The system provides the department manager with options to share files and announcements with the Instructor. The department manager selects the Instructor with whom he/she wants to share the files and announcements. The system offers the department manager a page to upload the document or announcement he wants to share. Department manager selects the files and announcements he/she wants to share. | 1 | File and announcement shared. The system notifies the selected lecturer about the shared documents and announcements | | | | |
| 2 | The department manager goes to the documents and announcements sharing section of the system. The system offers the department manager options to share files and announcements with | 2 | The department manager has received a notification that there is no instructor. | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | the instructor . The department manager cannot find the instructor with whom he wants to share the files and announcements and receives a notification. | | | | | | |
| 3 | The department manager goes to the documents and announcement sharing section of the system. The system provides the department manager with options to share files and announcements with the instructor. The department manager selects the instructor with whom he/she wants to share the files and announcements. The system offers the department manager a page to upload the document or announcement he wants to share. Department manager presses exit without sharing. | 3 | The department manager was directed to the "documents and announcement sharing section" in the main menu | | | | |

| Test Data Table | | | |
|---|---|---|---|
| | **1** | **2** | **3** |
| Is there an instructor matching the search? | Yes. | No. | Yes. |
| Clicked button | Share | - | Exit |
| **Post-conditions:** The department manager shared a resource or announcement with the Instructor. | | | |

## Test Case : Assign instructors to courses

| | |
|---|---|
| **Test Case ID:** ICES4HU-TC-14 | **Test Description:** |
| **Test Name:** Assign instructors to courses | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-14 | **Test Designed Date:** 08/04/2023 |
| **Test Priority (Low/Medium/High):** High | **Test Executed by:** Yusuf Koca |
| **Module Name:** Department manager | **Test Execution Date:** 08/04/2023 |

**Pre-conditions:**
1. The department manager must be enrolled to the system.
2. There must be at least one course and one instructor added to the system by admin.
3. The department manager must be enrolled to the system.
4. Date must be before semester start date.
5.The administrator must define the course information in advance.

**Dependencies:**
1. ICES4HU-UC-15

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | **P** | **F** |
| 1 | Department manager logs in to the system. Presses assign instructors button. Choose a course from the list of courses available. Chooses an instructor for that course from the list of instructors. | 1 | System gives a message about instructor being assigned successfully. | | | | |

| Test Data Table | |
|---|---|
| | **1** |
| Instructor assigned? | Yes. |
| **Post-conditions:** The department manager assigned an instructor to a course. | |

## Test Case : **Add users to system**

| | |
|---|---|
| **Test Case ID:** ICES4HU-TC-15 | **Test Description:** |
| **Test Name:** Add users to system | **Test Designed by:** Yusuf Koca |
| **Use Case Tested :** ICES4HU-UC-15 | **Test Designed Date:** 08/04/2023 |
| **Test Priority (Low/Medium/High):** High | **Test Executed by:** Yusuf Koca |
| **Module Name:** Administrator | **Test Execution Date:** 08/04/2023 |

| | |
|---|---|
| **Pre-conditions:** <br> 1. Admin logs in to the system. <br> 2. The user  should send a request to the Administration. ||
| **Dependencies:** <br> 1. ICES4HU-UC-01 ||

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Admin logs in to the system. Presses add users button. Presses add instructors button. Fills in spaces with instructors' informations. | 1 | A new instructor is added to the system. Instructor is notified about their informations via email. | | Email must be a cs-hacettepe mail, id must be in correct form and password must be at least 8 characters long. | | |
| 2 | Admin logs in to the system. Presses add users button. Presses add instructors button. Fills in spaces with instructors' informations but forgets one or more spaces unfilled. | 2 | Instructor is not added to the system. System gives a message about empty spaces to the admin. | | | | |
| 3 | Admin logs in to the system. Presses add users button. Presses add instructors button. Fills in spaces with instructors' informations but enters an information such as id or email in an invalid form. | 3 | Instructor is not added to the system. System gives a message about invalid formats to the admin. | | | | |
| 4 | Admin logs in to the system. Presses add users button. Presses | 4 | Instructor is not added to the system. | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | add instructors button. Fills in spaces with instructors' informations but enters an instructor id that is already assigned to a different instructor in the system. | | System gives a message about that id being already assigned to adifferent instructor to the admin. | | | | |
| **5** | Admin logs in to the system. Presses add users button. Presses enrollment requests button. Inspects the informations of the new user. Decides they are valid and accepts the request. | 5 | A new user is added to the system. They're notified about their successful registration via email. | | Email must be a cs-hacettepe mail, id must be in correct form and password must be at least 8 characters long. | | |
| **6** | Admin logs in to the system. Presses add users button. Presses enrollment requests button. Inspects the informations of the new user. Decides they are not valid and declines the request. | 6 | No new user is added to the system. Declined users receive mail about their registration being declined. | | | | |

| Test Data Table | | | | | | |
|---|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** | **6** |
| Clicked button | Add instructor | Add instructor | Add instructor | Add instructor | Enrollment requests | Enrollment requests |
| Accept/Decline | - | - | - | - | Accepted | Declined |
| Name | Bahar | Bahar | Bahar | Bahar | Yusuf | Yusuf |
| Surname | Gezici | Gezici | Gezici | Gezici | Koca | Koca |
| ID | 22335602 | | 22335gzc | 22335601 | 2200356013 | 2200356013 |
| E-mail | b.gezici@cs.hacettepe.edu.tr | | b.gezici@cs.hacettepe | b.gezici@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr |
| Role Type | Instructor | Instructor | Instructor | Instructor | Student | Student |
| Password | 12345678 | 12345678 | 12345678 | 12345678 | 12345678 | 12345678 |
| **Post-conditions:** Admin added a new user to the system. | | | | | | |

## Test Case : **Manage others accounts**

| Test Case ID: ICES4HU-TC-16 | Test Description: |
|---|---|
| Test Name: Manage others accounts | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-16 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Administrator | Test Execution Date: 08/04/2023 |

**Pre-conditions:**
1. The administrator must be logged into the system.

**Dependencies:**
1.ICES4HU-UC-3

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Edits informations of user and presses save. | 1 | System updates the users account details. | | Email must be a cs-hacettepe mail, id must be in correct form and password must be at least 8 characters long. | | |
| 2 | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Edits informations of the user, forgets some empty spaces and presses save. | 2 | System does not update the users account details. System gives a message about empty spaces to the admin. | | | | |
| 3 | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Edits | 3 | System does not update the users account details. System gives a message about invalid forms to the admin. | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | informations of the user, enters some information in invalid form and presses save. | | | | | |
| **4** | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Edits informations of the user, changes their id to an already existing one and presses save. | 4 | System does not update the users account details. System gives a message about id being already assigned to another user to the admin. | | | |
| **5** | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Presses on the delete user button and presses save. | 5 | User is deleted from the system. | | Admin deletes users if they're graduated or retired from the school. | |
| **6** | Admin logs in to the system. Presses manage accounts button. Searches for the user with their id. Clicks on the user to view their account details. Presses on the ban user button, enters the ban duration and presses save. | 6 | User is banned from the system for the duration admin typed. That user loses access to their account for the duration. | | Admin bans users if they detect usage of inappropriate words. | |

| **Test Data Table** | | | | | | |
|---|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** | **6** |
| Action | Edit | Edit | Edit | Edit | Delete | Ban |
| Name | Yusuf | Yusuf | Yusuf | Yusuf | Yusuf | Yusuf |
| Surname | Koca | Koca | Koca | Koca | Koca | Koca |
| ID | 2200356013 | | 2200356kxe | 2200356011 | 2200356013 | 2200356013 |
| E-mail | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr | b2200356013@cs.hacettepe.edu.tr |
| Role Type | Student | Student | Student | Student | Student | Student |
| Password | 12345678 | 12345678 | 12345678 | 12345678 | 12345678 | 12345678 |
| **Post-conditions:** Admin edited an account details or changed the status of an account. | | | | | | |

## Test Case : Define semester

| Test Case ID: ICES4HU-TC-17 | Test Description: |
|---|---|
| Test Name: Define semester | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-17 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Administrator | Test Execution Date: 08/04/2023 |
| | |

**Pre-conditions:**
1. The administrator must be logged into the system.

**Dependencies:**
-

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|---|---|---|---|---|---|---|---|
| | | | | | | P | F |
| 1 | Admin logs in. Presses manage semester button. Enters start and end date of the semester. Adds all courses with all information except assigned instructor. Clicks announce semester button. | 1 | New semester is created. All users gets an email about the details of the new semester. | | Admin must enter a valid date which is not shorter than 3 months and longer than 5 months and it must be a future time interval than present. Instructor must also enter at least one course and courses all informations except the instructor. Instructors are assigned by department manager. | | |
| 2 | Admin logs in. Presses manage semester button. Enters start and end date of the semester but it is in invalid form. Adds all courses with all information except assigned instructor. Clicks announce semester button. | 2 | New semester is not created. System warns admin about the start and end date format. | | | | |
| 3 | Admin logs in. Presses manage semester button. | 3 | New semester | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Does not enter start and end date of the semester but it is in invalid form. Adds all courses with all information except assigned instructor. Clicks announce semester button. | | is not created. System warns admin about the start and end date being empty. | | | | |
| **4** | Admin logs in. Presses manage semester button. Enters start and end date of the semester. Adds all courses with some information except assigned instructor. Clicks announce semester button. | 4 | New semester is not created. System warns admin about some course details being empty. | | | | |
| **5** | Admin logs in. Presses manage semester button. Enters start and end date of the semester. Adds no courses with some information except assigned instructor. Clicks announce semester button. | 5 | New semester is not created. System warns admin about no courses being added. | | | | |
| **6** | Admin logs in. Presses manage semester button. Enters start and end date of the semester. Adds no courses with some information except assigned instructor. Clicks cancel button. | 6 | New semester is not created. Administrator is directed back to main page. | | | | |

| Test Data Table | | | | | | |
|---|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** | **6** |
| Clicked button | Announce semester | Announce semester | Announce semester | Announce semester | Announce semester | Cancel |

| Start and end date | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2020 | | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2023 |
|---|---|---|---|---|---|---|
| Amount of courses | 30 | 20 | 25 | 40 | 0 | 22 |
| Course details | All entered. | All entered. | All entered. | Some are entered. | All entered. | All entered. |
| **Post-conditions:** Admin created and announced a new semester. | | | | | | |

| Start and end date | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2020 | | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2023 | 27 Şubat - 4 Haziran 2023 |
|---|---|---|---|---|---|---|

## Test Case :  Manage evaluation forms

| Test Case ID: ICES4HU-TC-18 | Test Description: |
|---|---|
| Test Name: Manage evaluation forms | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-18 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Administrator | Test Execution Date: 08/04/2023 |
| | |

**Pre-conditions:**
1. The administrator must be logged into the system.

**Dependencies:**
1. ICES4HU-UC-09

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | Admin logs in to the system. Presses manage evaluation forms button. Sees a list of published surveys published by instructors. Chooses to view one. Decides it is appropriate to share for the students and approves the form. | 1 | System shares the survey with students. | | | | |
| 2 | Admin logs in to the system. Presses manage evaluation forms button. Sees a list of published surveys published by instructors. Chooses to view one. Decides it is not appropriate to share for the students and declines the form. | 2 | System does not share the survey with students. System sends a notification about the decline of the survey to the instructor. | | | | |
| 3 | Admin logs in to the system. Presses manage evaluation forms button. Sees there is no published forms. | 3 | Admin sees a message about no forms being published yet. | | Instead of listing published surveys, system shows the message on the page. | | |

| Test Data Table | | | |
|---|---|---|---|
| | 1 | | |
| Published forms? | Yes. | Yes. | No. |
| Accepted/ Declined | Accepted | Declined | - |
| **Post-conditions:** The admin managed the forms published by instructors. | | | |

## Test Case :  Manage emails

| Test Case ID: ICES4HU-TC-19 | Test Description: |
|---|---|
| Test Name: Manage emails | Test Designed by: Yusuf Koca |
| Use Case Tested : ICES4HU-UC-19 | Test Designed Date: 08/04/2023 |
| Test Priority (Low/Medium/High): Medium | Test Executed by: Yusuf Koca |
| Module Name: Administrator | Test Execution Date: 08/04/2023 |
|  |  |

**Pre-conditions:**
1.The administration is logged in to the system.

**Dependencies:**
-

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status P | F |
|---|---|---|---|---|---|---|---|
| 1 | The admin logs in to the system. Presses manage emails button. System shows 3 different managing options. Admin presses merging emails button. Creates a new merged email address to send mass emails. | 1 | A new merged email is created for further usage. |  |  |  |  |
| 2 | The admin logs in to the system. Presses manage emails button. System shows 3 different managing options. Admin presses merging emails button. Adds a new user to an existing merged email address. | 2 | A new user is added to a merged email is created for further usage. |  |  |  |  |
| 3 | The admin logs in to the system. Presses manage emails button. System shows 3 different managing options. Admin presses the send emails button. Types the announcement or reminder message. Chooses which merged email to send and sends. | 3 | Admin sent an email to all users that are added to the merged mail address chosen. |  |  |  |  |
| 4 | The admin logs in to the system. Presses | 4 | Admin created a new |  |  |  |  |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | manage emails button. System shows 3 different managing options. Admin presses the automated emails button. Creates a new automated mail, types the automated message and its conditions. | | automated mail for further usage. | | | | |
| 5 | The admin logs in to the system. Presses manage emails button. System shows 3 different managing options. Admin presses the automated emails button. Deletes an automated mail. | 5 | Admin deleted an automated mail. | | | | |

| Test Data Table | | | | | |
|---|---|---|---|---|---|
| | **1** | **2** | **3** | **4** | **5** |
| Managing option | Merge emails | Merge emails | Send emails | Automated emails | Automated emails |
| Pressed button in the option | Create new merged email | Add user to a merged email | Send | Create | Delete |
| **Post-conditions:** The admin managed email operations. | | | | | |

# Distribution of Tasks

In our team, all test cases are determined collaboratively during meetings led by "Esad Boran" and "Yusuf Koca", as these decisions have a significant impact on the entire project and DEL2 documents. At the initial design stage, everyone on the team shares their ideas, and then "Yusuf Koca" writes most of them down in detail. You can find a detailed breakdown of each task in the "Test Designed" and "Test Executed " sections of each table.