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| ICES4HU | Version 1.0 |
| System Test Case Definitions | Date: 31/03/2023 |

| Test Case ID: 2 | | | | Test Description: Testing of user logging out | | | |
|--|---------------------------------|-----------|--------------------|--|-------|--------|---|
| Test Name: Logout | | | | Test Designed by: Furkan Umut Kavsara | | | |
| Use Case Tested : ICES4HU-UC-03 | | | | Test Designed Date: 28/03/2023 | | | |
| Test Priority (Low/Medium/High): High | | | | Test Executed by: Furkan Umut Kavsara | | | |
| Module Name: Admin, Department Manager, Instructor, Student | | | | Test Execution Date: 12/05/2023 | | | |
| | | | | | | | |
| Pre-conditions: User has an account in the system and is logged in. | | | | | | | |
| Dependencies: Users must press the logout button. | | | | | | | |
| | | | | | | | |
| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
| | | | | | | P | F |
| 1 | User pressed the logout button. | - | Successful logout. | | | | |
| ... | | | | | | | |
| Test Data Table | | | | | | | |
| | 1 | 2 | 3 | 4 | ... | | |
| | | | | | | | |
| Post-conditions: User has logged out of the system. | | | | | | | |

Pre-conditions: User has an account in the system and is logged in.

Dependencies: Users must press the logout button.

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|------|---------------------------------|-----------|--------------------|----------------|-------|--------|---|
| | | | | | | P | F |
| 1 | User pressed the logout button. | - | Successful logout. | | | | |
| ... | | | | | | | |

| Test Data Table | | | | | |
|-----------------|---|---|---|---|-----|
| | 1 | 2 | 3 | 4 | ... |
| | | | | | |

Test Data Table

| | | | | | |
|--|---|---|---|---|-----|
| | 1 | 2 | 3 | 4 | ... |
| | | | | | |

Post-conditions: User has logged out of the system.

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| ICES4HU | Version 1.0 |
| System Test Case Definitions | Date: 31/03/2023 |

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|--|---|
| Test Case ID: 3 | Test Description: Testing of student registering |
| Test Name: Register | Test Designed by: Furkan Umut Kavsara |
| Use Case Tested : ICES4HU-UC-01 | Test Designed Date: 28/03/2023 |
| Test Priority (Low/Medium/High): High | Test Executed by: Furkan Umut Kavsara |
| Module Name: Student | Test Execution Date: 12/05/2023 |

Pre-conditions: Student does not have an account in the system.

Dependencies: Email must be school mail and password must be minimum 6 characters.

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|------|--|-----------|--------------------------|----------------|-------|--------|---|
| | | | | | | P | F |
| 1 | Student entered all fields correctly. | 1 | Successful registration | | | | |
| 2 | Student entered a password with less than 6 characters. | 2 | Password is too short. | | | | |
| 3 | Student's second password does not match the first password. | 3 | Passwords do not match. | | | | |
| 4 | Student entered an invalid email. | 4 | Email is not valid. | | | | |
| 5 | Student does not enter a required field. | 5 | Missing field. | | | | |
| 6 | Student entered an email that exists in the database. | 6 | Email is already in use. | | | | |

Test Data Table

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------------------|---------------------------|-------------------------------------|---------------------------|--------------------|---------------------------|---------------------------|
| Email | student1@hacettepe.edu.tr | student2@hacettepe.edu.tr | student3@hacettepe.edu.tr | student4@hacettepe | student5@hacettepe.edu.tr | student1@hacettepe.edu.tr |
| Student ID | 12345678 | 23456789 | 34567890 | 45678901 | 5678901 | 12345678 |
| Department | Computer Engineering | Artificial Intelligence Engineering | Mathematics | Psychology | - | Computer Engineering |
| Password | correctpass | pass | correctpass | correctpass | - | correctpass |
| Password (Again) | correctpass | pass | wrongpass | correctpass | - | correctpass |

Post-conditions: Student has been successfully added to the system.

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| ICES4HU | Version 1.0 |
| System Test Case Definitions | Date: 31/03/2023 |

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|--|--|
| Test Case ID: 4 | Test Description: Testing of user editing profile |
| Test Name: Manage Account | Test Designed by: Furkan Umut Kavsara |
| Use Case Tested : ICES4HU-UC-06 | Test Designed Date: 28/03/2023 |
| Test Priority (Low/Medium/High): Low | Test Executed by: Furkan Umut Kavsara |
| Module Name: Admin, Department Manager, Instructor, Student | Test Execution Date: 13/05/2023 |

Pre-conditions: User has an account in the system and is logged in.

Dependencies: New password must be minimum 6 characters.

| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
|------|---|-----------|---|----------------|-------|--------|---|
| | | | | | | P | F |
| 1 | User did not enter the old password correctly. | 1 | Incorrect password. | | | | |
| 2 | User entered the new password correctly. | 2 | Password has been successfully changed. | | | | |
| 3 | User entered the new password with less than 6 characters. | 3 | New password is too short. | | | | |
| 4 | User's second new password does not match the first new password. | 4 | New passwords do not match. | | | | |
| 5 | User does not enter a required field. | 5 | Missing password. | | | | |
| 6 | User uploaded the new image correctly. | 6 | Profile picture has been changed. | | | | |
| 7 | User uploaded the wrong image format. | 7 | Wrong image format. | | | | |
| 8 | User removed the image. | - | Picture has been removed. | | | | |

Test Data Table

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------------------|---------|---------|---------|---------|---------|---------|---------|
| Password | notpass | oldpass | oldpass | oldpass | oldpass | - | - |
| New Password | newpass | newpass | pass | newpass | - | - | - |
| New Password (Again) | newpass | newpass | pass | pass | - | - | - |
| Image | - | - | - | - | - | pic.jpg | pic.pdf |

Post-conditions: Profile has been successfully edited.

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| ICES4HU | Version 1.0 |
| System Test Case Definitions | Date: 31/03/2023 |

| Test Case ID: 15 | | | | Test Description: Testing of admin adding courses | | | |
|--|---|----------------------|------------------------|---|--|--------|---|
| Test Name: Add Courses | | | | Test Designed by: Furkan Umut Kavsara | | | |
| Use Case Tested : ICES4HU-UC-11 | | | | Test Designed Date: 28/03/2023 | | | |
| Test Priority (Low/Medium/High): High | | | | Test Executed by: Furkan Umut Kavsara | | | |
| Module Name: Admin | | | | Test Execution Date: 26/04/2023 | | | |
| | | | | | | | |
| Pre-conditions: Admin is logged in. | | | | | | | |
| Dependencies: Course name must be 3 letters and 3 numbers and course should not exist in the semester. | | | | | | | |
| | | | | | | | |
| Step | Test Steps | Test Data | Expected Results | Actual Results | Notes | Status | |
| | | | | | | P | F |
| 1 | User entered all fields correctly. | 1 | Course has been added. | Course has been added. | | Pass | |
| 2 | User entered the course ID wrong. | 2 | Course ID isn't valid. | Course ID isn't valid. | System does not say what an ID should look like for now. | Pass | |
| 3 | User entered a course ID that already exists. | 3 | Course already exists. | Course has not been added. | System does not give info if a course is added or not for now. | Pass | |
| Test Data Table | | | | | | | |
| | 1 | 2 | 3 | 4 | ... | | |
| Course ID | COO205 | CO28 | COO205 | | | | |
| Course Name | Course One | Course Two | Course Three | | | | |
| Course Department | Computer Science | Computer Engineering | Computer Science | | | | |
| Post-conditions: Admin has added courses to the semester. | | | | | | | |

| Name | Roles | Hours |
|-----------------------------------|--------------------------------|----------|
| Muhammad Danish Aqmar Bin Rushdan | Software Project Manager | |
| Arman Dehgani | Software Architect | |
| Baozar Zakariyyah | Software Analyst | |
| Mert Ali Yalçın | Software Configuration Manager | |
| Furkan Umut Kavsara | Software Tester | 10 hours |