

ICES4HU	Version 1.0
System Test Case Definitions	Date: 03.04.2023

ICES4HU

Test Case Definitions

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1.Test Cases

Test Case: Login

Test Case ID: TC-1				Test Description: The user can sign in with their email and password			
Test Name: Login				Test Designed by: Şura Nur Ertürkmen			
Use Case Tested: UC-1				Test Designed Date:02.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by:Şura Nur Ertürkmen			
Module Name:-				Test Execution Date: 02.06.2023			
Pre-conditions:							
1. Student and department manager enrollment requests need to be approved by the admin. The instructor needs to be added by the admin.							
Dependencies:							
1. TC-8(Add Instructors)							
2. TC-9(Register and send enrollment request)							
3. TC-6(Approve/Reject enrollment request)							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	The user enters correct information.	1	The user signs in.	The user signs in.		P	
2	The user enters an invalid email.	2	The user cannot sign in. The system gives a message about an invalid email.	The user cannot sign in.		P	
3	The user enters an email that exists in the system, but the password does not match the email.	3	The user cannot sign in. The system gives a message about the mismatched password and email.	The user cannot sign in.		P	
4	The user enters an email that is not approved yet		The user cannot sign in. The system gives a message about the not	The user cannot sign in.		P	

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			approved yet message.				
5	The user does not fill in the required information.		The user cannot sign in. The system gives a message about the missing information.	The user cannot sign in.		P	
6	The user enters an email that is not approved yet		The user cannot sign in. The system gives a message about the unapproved message.	The user cannot sign in.		P	

Test Data Table

	1	2	3	4	5	6
email	"b21946127@cs.hacettepe.edu.tr"	"b2194612@cs.hacettepe.edu.tr"	"b21946127@cs.hacettepe.edu.tr"	" suraerturkmen@gmail.com " this email will not approve yet	" suraerturkmen@gmail.com "	" suraerturkmen@gmail.com " this email will reject
password	"abcd123.."	"abcd123.."	"bca12." but the correct password for this email is; "abcd123.."	"abcd123.."	"empty password"	"abcd123.."

Post-conditions: The user signed in to the system

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Test Case: Add a Course

Test Case ID: TC-3				Test Description: Test of add a course in admin panel			
Test Name: Add a course				Test Designed by:Şura Nur Ertürkmen			
Use Case Tested: UC-3				Test Designed Date: 02.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by:Şura Nur Ertürkmen			
Module Name:				Test Execution Date:02.06.2023			
Pre-conditions:							
1. The course to be opened must exist in the related department.							
Dependencies:							
No dependencies test							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Add course with valid format	1	Add operation will be successful and course appear in course list	Add operation will be successful and course appear in course list		p	
2	Add course with invalid format	2,3,4,5	Add operation will be unsuccessful and the system will give an error message	Add operation will be unsuccessful and the system will give an error message		P	
3	Add course with empty information	6	Add operation will be unsuccessful and the system will give an error message	Add operation will be unsuccessful and the system will give an error message		P	
Test Data Table							
	1	2	3	4	5	6	

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Test Case: Delete a Question

Test Case ID: TC-5				Test Description: Test for delete a question from survey			
Test Name: Delete a question				Test Designed by: Selahattin Can Ölçer			
Use Case Tested: UC-5				Test Designed Date: 06/04/2023			
Test Priority (Low/Medium/High): Low				Test Executed by: Selahattin Can Ölçer			
Module Name:				Test Execution Date: 02/06/2023			
Pre-conditions:1. User logged as admin							
1. There is at least one question in the system that the admin has permission to delete							
Dependencies: TC-14(Create Survey)							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Admin delete a question on a wasn't published survey	1,2	The question deleted on survey	Admin entered to the system and deleted question successfully		Pass	
2	Admin delete a question on published survey	3,4	Ask a question before deleting the question 'Are you sure about deleting the question because this survey was published ?'	When the admin clicks on the Delete Question button a pop-up which asks 'Are you sure' and if admin confirm question deleted.		Pass	
Test Data Table							
	1	2	3	4	...		
Survey name	Course survey	Instructor survey	Course survey	Instructor survey			
Published or not	Not	Not	Published	Published			

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Test Case: Add Instructors

Test Case ID: TC-8				Test Description: Control that instructor added the system			
Test Name: Add Instructors				Test Designed by: Şura Nur Ertürkmen			
Use Case Tested: UC-8				Test Designed Date: 03.04.2023			
Test Priority (Low/Medium/High):				Test Executed by:			
Module Name:				Test Execution Date:			
Pre-conditions:							
2. The actor must have instructor information.							
Dependencies:							
No dependencies							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Valid instructor information	1	The system successfully adds the instructor and the instructor will get a username and password information e-mail				
2	The system includes the same username or same instructor	2,3	The admin get an error message -this username is already taken -this user already added				
Test Data Table							
	1	2	3	4	...		
Instructor Name	Ayşe İrem Yalçın	Zübeyde Civelek	Ayşe İrem Yalçın				

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Instructor e – mail	ayseirem@gmail.com	zubeydecivelek@gmail.com	ayseirem@gmail.com		
Instructor password	hi123..	hello123..	hi123..		
Instructor username	ayseiremyalcin	ayseiremyalcin (this username is already taken)	ayseiremyalcin (this user already added)		
Post-conditions:					

Test Case: Enroll with email and password

Test Case ID: TC-9				Test Description: User enrolls with email and password			
Test Name: Enroll with email and password				Test Designed by: Ayça Akyol			
Use Case Tested: UC-9				Test Designed Date: 03.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by:			
Module Name:				Test Execution Date:			
Pre-conditions:							
Dependencies:							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	The user enters correct email and acceptable password	1	The user has successfully enrolled.				
2	The user enters an invalid email.	2	The user is denied with an error that says “Invalid email”				
3	The user hasn’t entered all of their information		The user is denied with an error that says “Enter all information ”				
Test Data Table							
	1	2	3	4	...		
email	“ aycaakyol3@gmail.com ” this email will be accepted	“ b2200356065@cs.hacettepe.edu.tr ”	“aycamail.com”	“ayca@gmail” this email will be rejected			

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Test Case: Change Personal Information

Test Case ID: TC-11				Test Description: Actors can change personal informations			
Test Name: Change Personal Information				Test Designed by: Zübeyde Civelek			
Use Case Tested: UC-11				Test Designed Date: 06.04.2023			
Test Priority (Low/Medium/High): Medium				Test Executed by: Zübeyde Civelek			
Module Name: Personal Information				Test Execution Date: 02.06.2023			
Pre-conditions:							
The actor must be logged into their account.							
Dependencies:							
TC-1							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	The actor selects the information to change and enters the new valid information.	1	The information that the actor wants to change is changed and saved.	The actor entered the information she wanted to change and when she clicked the save button, her information changed.		Pass	
2	The actor selects the information to replace and enters the new invalid information .	2	A warning is given that the information is invalid.	An error message is displayed stating that the information is invalid and valid information has been entered.		Pass	
Test Data Table							
	1	2	3	4			

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Selected information	Name: Zübeyde Civelek	Name: Ayşe İrem Yalçın			
New information	Name: Ayça Akyol	Name: %&?*			
Post-conditions: The personal information of the actor is updated in the system.					

Test Case: Manage and Send Survey

Test Case ID: TC-12				Test Description: Students can manage their survey			
Test Name: Manage and Send Survey				Test Designed by: Zübeyde Civelek			
Use Case Tested: UC-12				Test Designed Date: 06.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by: Zübeyde Civelek			
Module Name: Survey				Test Execution Date: 02.06.2023			
Pre-conditions:							
The student is logged into their account and the student has access to the survey feature.							
Dependencies:							
TC-1							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Student completes the survey and submits it.	1	Student receives a “ <u>Certificate of Completion</u> ”	We couldn't implement Student module			Fail
2	Student does not complete the survey and tries to submit.	2	The system warns that all questions must be completed.	We couldn't implement Student module			Fail
...							
Test Data Table							
	1	2	3	4	...		
Survey’s question	Were the course resources sufficient?	Were the course resources sufficient?					
Students answer	Yes.	-					

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Test Case: Create and Manage Survey

Test Case ID: TC-14				Test Description: Instructor can manage the survey			
Test Name: Create and Manage Survey				Test Designed by: Zübeyde Civelek			
Use Case Tested: UC-14				Test Designed Date: 06.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by: Zübeyde Civelek			
Module Name: Survey				Test Execution Date: 02.06.2023			
Pre-conditions:							
The instructor is logged into the system and has a course.							
Dependencies:							
TC-1							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Instructor added questions as appropriate and submitted them.	1	System performs the summit of the survey.	The survey is submitted and displayed.		Pass	
2	Instructor tried to submit without adding multiple choices to the question.	2	System warns that it needs to add a choice.	The system sets 5 options which are default.	We added 5 default options to each question. so each question has a score. (1 very bad, 5 very good)	Pass	
3	Instructor didn't add enough questions	3	System warns that it needs to add	The system shows an error		Pass	

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	and tried to submit them.		enough questions.	message that it needs to add enough questions.			
Test Data Table							
	1	2	3	4	...		
Total number of questions	10	10	1				
Choices for a question	Yes/No	-	Yes/No				
Post-conditions: Survey is created, updated, saved, or viewed.							

Test Case: Send Requests for Re-Evaluation

Test Case ID: TC-15				Test Description: Instructors can send requests for re-evaluation			
Test Name: Send Requests for Re-Evaluation				Test Designed by: Zübeyde Civelek			
Use Case Tested: UC-15				Test Designed Date: 06.04.2023			
Test Priority (Low/Medium/High): Medium				Test Executed by: Zübeyde Civelek			
Module Name: Re-evaluation				Test Execution Date:02.06.2023			
Pre-conditions:							
Instructor is logged into the system and the instructor has access to the course evaluation results.							
Dependencies:							
TC-1, TC-13, TC-17							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	The Instructor looks at the results, thinks it's unfair and sends a request.	1	Request reaches department head	We couldn't implement it.			Fail
2	Instructor looks at results thinks it's normal	2	N/A	We couldn't implement it.			Fail
...							
Test Data Table							
	1	2	3	4	...		
Survey results	“100 unsuccessful”	“20 successful, 65 okay, 15 unsuccessful”					

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Post-conditions: The request for re-evaluation is sent to the Department Head.

Test Case: Assign Instructors to Courses

Test Case ID: TC-16				Test Description: Department Manager can assign instructors to specific courses.			
Test Name: Assign Instructors to Courses				Test Designed by: Ayşe İrem Yalçın			
Use Case Tested: UC-16				Test Designed Date: 03.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by: Ayşe İrem Yalçın			
Module Name:				Test Execution Date: 03.04.2023			
Pre-conditions:							
User must be enrolled in the system and log in to the system by entering his/her login id and password.							
Dependencies:							
TC-8							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	assigning an existing instructor to an existing course	1	the instructor is expected to be successfully assigned to the course	The instructor is successfully assigned to the course.		pass	
2	assigning a non-existent instructor to an existing course	2	the system is expected to print the error message "there is no such an instructor"	the system prints the error message "there is no such an instructor".		pass	
3	assigning an existing instructor to a non-existent course	3	the system is expected to print the error message "there is no such a course"	the system prints the error message "there is no such a course".		pass	
4	assigning a non-existent instructor to a	4	the system is expected to print the error	the system prints the error message		pass	

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	non-existent course		message "there are no such an instructor and a course"	""there are no such an instructor and a course"			
Test Data Table							
	1	2	3	4			
Course Code	BBM382	BBM382	BBM850	BBM850			
Course Name	Software Engineering	Software Engineering	Wood Painting (there is no such a course)	Wood Painting (there is no such a course)			
Instructor Name	Ebru Gokalp	Sura nur Erturkmen (there is no such an instructor)	Ebru Gokalp	Sura nur Erturkmen (there is no such an instructor)			
Post-conditions: User can evaluate and share survey results							

Test Case: Share survey results with instructors.

Test Case ID: TC-17				Test Description: The Department Manager can share assessment-related results with all instructors.			
Test Name: Share survey results with instructors.				Test Designed by: Ayşe İrem Yalçın			
Use Case Tested: UC-17				Test Designed Date: 03.04.2023			
Test Priority (Low/Medium/High): High				Test Executed by: Ayşe İrem Yalçın			
Module Name:				Test Execution Date: 02.06.2023			
Pre-conditions:							
In order for the surveys to be shared, the survey filling deadline must come.							
Dependencies:							
TC-13							
TC-14							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Survey time is over and Department Manager shares the surveys.	1	Surveys are expected to be successfully shared with instructors.	Surveys could not be shared with instructors			fail
2	Survey time is not over and Department Manager shares the surveys.	2	The system is expected to print the error message "The results of the survey will be shared on <dd.mm.yy>"	Surveys could not be shared with instructors			fail
Test Data Table							
	1	2	3	4	...		
Survey Deadline	01.04.2023	05.04.2023					
Date	03.04.2023	03.04.2023					

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Post-conditions: If there is a request for re-evaluation from the instructors, the surveys are re-evaluated.

Test Case: Re-evaluation re-sends survey

Test Case ID: TC-18				Test Description: Re-evaluation request re-sends survey to students			
Test Name: Re-evaluation re-sends survey				Test Designed by: Ayça Akyol			
Use Case Tested: UC-18				Test Designed Date: 03.04.2023			
Test Priority (Low/Medium/High): Medium				Test Executed by:			
Module Name:				Test Execution Date:			
Pre-conditions:							
Dependencies:							
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status	
						P	F
1	Department manager sees the result and decides there is need for re-evaluation	1	Survey is re-sent to the students.				
2	Department manager decides re-evaluation is not needed.	2	Survey is not re-sent to students.				
Test Data Table							
	1	2	3	4	...		
Survey results	“140 very unsuccessful” this survey result is re-evaluated	“10 very unsuccessful, 50 okay, 45 successful, 35 very successful”					

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		this result is not re- evaluated			
Post-conditions: The survey is either re-sent or accepted.					

2.Distributions of Tasks

Test Cases: All team members created test cases about which use cases they wrote and all team members checked others' test cases.