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ICES4HU Test Case Definitions

Acronyms and Abbreviations

correctpass	Correct password
wrongpass	Incorrect password
notpass	Wrong password provided for password change
oldpass	Correct password provided for password change

Test Ca	se ID: 1				Test Desc	riptio	n: Testi	na of use	r load	aina in
	me: Log	in			Test Design					
			S4HU-UC	;-02	Test Designed Date: 28/03/2023					
	Test Priority (Low/Medium/High): High					Test Executed by: Furkan Umut Kavsara				
Module	Name:	Admin,		ent Manager,	Test Execution Date: 12/05/2023					
Instructo	nstructor, Student									
				ount in the syste		logge	ed in.			
Depend	lencies:	Users i	must ente	r correct credent	ials.					
Cton	Took	Ctono	Took Do	to Fymantad	Actual	l Na	4	Ctatura		
Step	lest	Steps	Test Da	ta Expected Results	Actual Results	NO	tes	Status	j	F
	User	enters		Successful	11000110	+		+		•
1	the co		1	login.						
•	crede		·	log						
	User e	enters		Invalid						
2	the wr		2, 3	email or						
	crede			password.						
	User			Missing						
3	not en		4, 5	email or						
	requir			password.						
	space	•		Tost D						
		4			ata Table		14		F	
		1	11.01	2	3		4		5	
Email			nt1@ha	student2@hac)gm	-			dent4@hac
D			e.edu.tr	ettepe.edu.tr	ail.com				ettepe.edu.tr	
Passwo		correc		wrongpass	correctpas	S	correc	tpass	<u> </u>	
Post-co	ndition	s: User	nas logge	d into the syster	<u>n. </u>					

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Test Ca	se ID: 2			Test Description: Testing of user logging out					
Test Na	me: Logout		Test Designed by: Furkan Umut Kavsara						
Use Ca	se Tested : ICE	S4HU-UC-	-03	Test Desig	gned Date: 2	28/03/202	23		
Test Pr	iority (Low/Me	dium/High)	Test Exec	uted by: Fu	rkan Umi	ut Kav	sara		
	Name: Admin, or, Student	Departmer	Test Execution Date: 12/05/2023						
Pre-cor	nditions: User I	nas an acco	ount in the syster	m and is logo	ged in.				
				<u> </u>					
			the logout butto	n.					
Depend	lencies: Users		the logout butto	n. Actual	Notes	Statu	ıs		
		must press	the logout butto	i	Notes	Statu	ıs	F	
Depend	lencies: Users	must press	the logout butto	Actual	Notes		IS	F	
Depend	Test Steps User pressed the logout	must press	a Expected Results Successful	Actual	Notes		IS	F	
Step 1	Test Steps User pressed the logout	must press	a Expected Results Successful logout.	Actual	Notes		IS	F	

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T 10	ID 0						· · · · ·			
Test Cas Test Nar							ption: Testin			
Use Cas			AHI LIC	`_01			ned Date: 28		<u> 5aia</u>	
Test Price					iah				sara	
Module			um/mgr	<u>.,</u>	igii	Test Executed by: Furkan Umut Kavsara Test Execution Date: 12/05/2023				
Modulo	itaiiio.	Otadoni				100t Excou	tion bate. 12			
Pre-cond	ditions	Student	does no	ot ha	ve an accoun	t in the syster	m			
					ol mail and pa			6 characters.		
20,001101					a. a.i.a pa			<u> </u>		
Step	Test	Steps	Test		Expected	Actual	Notes	Status		
•		•	Data		Results	Results		Р	F	
	Stude	nt			Successful					
1	entere	d all	1		registration					
	fields				-					
	correc									
	Stude				Password					
2	entere passw		2		is too short.					
2		ss than			SHOIL.					
		acters.								
	Stude			\neg	Passwords					
	secon	d			do not					
	passw				match.					
3	does r		3							
	match	tne								
	first passw	ord								
	passw	oru.								
	Stude	nt			Email is					
4	entere	d an	4		not valid.					
		email.								
_		nt does	_		Missing					
5	not en		5		field.					
	Stude	ed field.		-+	Email is					
	entere				already in					
6	email		6		use.					
-	exists									
	databa	ase.								
					Test Da	ta Table	-	-		
		1		2		3	4	5	6	
Email		student			ident2@hac	student3@	student4h	student5	student1	
		cettepe	.edu.tr	ett	epe.edu.tr	hacettepe.	acettepe	@hacett	@hacette	
						edu.tr		epe.edu.	pe.edu.tr	
Student	ID.	123456	70	22	456789	34567890	45678901	tr 5678901	12345678	
Departm		Compu		_	tificial	Mathemati	Psycholo	- 2010801	Computer	
Departiti	CIIL	Engine			elligence	CS	gy	-	Engineeri	
			y		gineering		9,		ng	
Passwor	d	correct	oass	pa		correctpas	correctpa	1 -	correctpa	
				'		S	ss		SS	
Passwor	d	correct	oass	pa	ss	wrongpass	correctpa	-	correctpa	
(Again)							ss		ss	
Post-coi	nditions	s: Studer	nt has be	en s	successfully a	dded to the s	ystem.			

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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,	Test Execution Date: 13/05/2023
Instructor, Student	

Pre-conditions: User has an account in the system and is logged in. **Dependencies:** New password must be minimum 6 characters.

Cton	Toot Ctons	Toot Data	Evposted	Actual	Notes	Ctotus	
Step	Test Steps	Test Data	Expected Results	Actual Results	Notes	Status P	F
	Lloon did not			Results		P	Г
1	User did not enter the old	1	Incorrect password.				
•	password	'	password.				
	correctly.						
	User entered		Password				
2	the new	2	has been				
_	password	-	successfully				
	correctly.		changed.				
	User entered		New				
	the new		password is				
3	password	3	too short.				
	with less than						
	6 characters.						
	User's		New				
	second new		passwords				
4	password	4	do not				
	does not		match.				
	match the						
	first new						
	password. User does		Missing				
5	not enter a	5	password.				
J 3	required field.		password.				
	User		Profile				
6	uploaded the	6	picture has				
	new image		been				
	correctly.		changed.				
	User		Wrong				
7	uploaded the	7	image				
	wrong image		format.				
	format.		<u> </u>				
	User		Picture has				
8	removed the	-	been				
	image.		removed.	<u> </u>	<u> </u>		
		10 1		ta Table	F	<u> </u>	1 -
	1	2	3	4	5	6	7
Passw		oldpass	oldpass	oldpass	oldpass	-	-
New	newpass	newpass	pass	newpass	-	-	-
Passw		 			1	+	
New	newpass	newpass	pass	pass	-	-	-
Passw							
(Again						hio in a	nio nat
Image	-	-	-	-	-	pic.jpg	pic.pdf

Post-conditions: Profile has been successfully edited.

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Test Cas	e ID: 5			Test Descrip account of us		ting of adı	min managing		
Test Nan	ne: Edit User In	formation		Test Designe	ed by: Fu	rkan Umu	ıt Kavsara		
Use Case	e Tested : ICES	S4HU-UC-	.07	Test Designed Date: 28/03/2023 Test Executed by: Furkan Umut Kavsara Test Execution Date: 13/05/2023					
Test Prio	rity (Low/Med	ium/High)	: Medium						
	Name: Admin								
				•					
Pre-cond	litions: Admin	is logged i	n						
			e in the correct	format					
Depende	ilcies. New ne	ius must b	e in the correct	omat.					
Step	Test Steps	Test Da	ta Expected	Actual	Notes	Status	<u> </u>		
otep	lest Steps	lest Da	Results	Results	10163	P	F F		
	Admin has		Profile	110001100		<u> </u>			
1	changed	1	has been						
•	fields	'	updated.						
	correctly.		apaatea.						
	Admin	<u> </u>	Email is						
2	entered an	2	not valid.						
_	invalid	-	Tiot valia.						
	email.								
	Admin		New						
	entered a		password						
	new		is too						
3	password	3	short.						
•	with less		311011.						
	than 6								
	characters.								
	Admin		Profile						
	uploaded		picture						
4	the new	4	has been						
•	image		changed.						
	correctly.		5.1.6.1.9.5.1.						
	Admin		Wrong						
	uploaded		image						
5	the wrong	5	format.						
	image								
	format.								
	Admin		Picture						
6	removed	_	has been						
	the image.		removed.						
	•	•	Test Da	ta Table					
	1		2	3	4		5		
Name	Studer	t One	Student Two	Student Three	e -		1 -		
Email	studen		student2.edutr	student3@ha			1-		
		e.edu.tr	5.345. IL. O441	ettepe.edu.tr	_				
Password			newpass	pass	-		1 -		
Image		+	-	-	pic.jp	na	pic.pdf		
	ditions: Anoth	or Hoor's r	orofile has been	ouoooofully ad		3	i pio.pai		

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Test Case	e ID : 6				Test Desci					
					account for instructors and department managers Test Designed by: Furkan Limit Kayeara					
Test Nam				00	Test Designed by: Furkan Umut Kavsara					
Use Case					Test Designed Date: 28/03/2023 Test Executed by: Furkan Umut Kavsara					
Test Prio			um/Hign): High						sara
Module N	iame:	Admin			Test Execu	ution	Date: 12	2/05/202	3	
Dro cond	itiono	. Admin i	o loggod	in						
Pre-cond				iii. hool mail, passw	ord must be	minin	num 6 ch	aractore		
Depende	iicies.	LIIIaii III	ust be sc	niooi maii, passw	ord must be	111111111	ilulii o ci	iai acici s		
Step	Tost	Steps	Test	Expected	Actual	No	tes	Status		
Ctop	1000	Otopo	Data	Results	Results	''	100	P		F
	Admi	in		Successful				<u> </u>		
1		ed all	1	registration.		1				
	fields	3								
	corre									
	Admi			Email is not						
2		ed an	2	valid.						
	invali emai	-								
	Admi			Password is		+				
	enter			too short.						
3		assword 3		too short.						
	with									
	than									
	chara	acters.								
	Admi			Email is						
		ed an		already in						
4		I that	4	use.						
	datal	s in the								
		in does		Missing		\vdash				
5		nter a	5	field.						
	requi			lioid.						
	field.									
					ta Table					
		1		2	3		4		5	
Instructor	ID	001234	5678	0023456789	003456789		001234	5678	004	45678901
Departme	ent	Compu		Artificial	Mathematic	CS	Compu		Psychology	
		Engine	ering	Intelligence			Engine	ering		
		101	Engineering				101			
Email			1@hac	instruct2edu	instruct3@			1@hac		truct4@hac
Password	l	ettepe.c		password2	ettepe.edu.	. u	ettepe.		ettepe.edu.tr	
Departme		Yes	nu i	No	pass No		Yes	nuo	- No	
Manager										
Post-con	dition	s: An acc	count for	an instructor or a	department	mana	ager has	been cre	atec	l.

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T+ 0	ID. 7				Tank Dana	!4!	T		ما ما	
Test Case	וט: ו				Test Desc registration			ig oi adri	IIII III	andling
Test Name	: Mar	nage reg	istration		Test Designed by: Furkan Umut Kavsara					
Use Case Tested : ICES4HU-UC-10					Test Desig					
Test Priority (Low/Medium/High): High					Test Exec					sara
Module Na	me:	Admin			Test Exec					
Pre-condit	ions	: Admin i	s logged	in.						
Dependen	cies:	Students	s must ha	ave been register	ed correctly.					
Step		Test	Test	Expected	Actual	No	tes	Status		
	S	teps	Data	Results	Results			Р		F
		dent		Student has						
_	•	ollment		been added						
1		equest 1 as been eccepted.		to the						
				system.						
		dent		Student has		+				
		ollment		not been						
2	_	uest	2	added to						
_		been	_	the system.						
	reje	cted.		j						
				Test Da	ta Table					
		1		2	3		4			
Accept/Rej	ect	Accept		Reject						
Student ID 12345			23456							
Department Comp. Eng.		Eng.	Mec. Eng.							
Name Student One		t One	Student Two							
Email		student	1@ha	student2@hac						
		cettepe		ettepe.edu.tr						
Post-cond	itions	s: Admin	has eith	er accepted or re	jected stude	nt's e	nrollmen	t request	t	

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-											
Test Cas	se ID: 8				Test Description: Testing of instructor creating evaluation form						
Test Nar	ne : Cre	ate Eva	aluation Fo	orm	Test Designed by: Furkan Umut Kavsara						
Use Cas	S4HU-UC	Test Desig	ned D	ate: 28	/03/2023	}					
Test Price	dium/High	Test Execu	uted by	y: Furk	an Umut	Kavs	sara				
Module	Name:	Instruct	tor		Test Execu	ution [Date: 14	4/05/202	3		
Pre-con	ditions	: Instru	ctor is logg	jed in.							
Depende	encies:	Instruc	tor must b	e assigned to co	urses and no	evalua	ation fo	rm has b	een d	created.	
Step	Test 9	Steps	Test Dat	a Expected	Actual	Note	es	Status			
		.		Results	Results			Р		F	
1	Instru	structor 1		Required							
	did not add			questions							
	a que	stion.		are in the							
				form.							
	Instru			Required							
2	has a		2	questions							
	a que	stion.		and added							
				questions							
				are in the form.							
				101111.		+					
				Toot Do	⊥ ita Table			<u> </u>			
		1		2	3	<u> </u>	4		I		
Damilos	J		and al		<u> </u>		4				
Required	Required Required			Required							
Questions			IIONS	Questions							
Question	Question -			Did you like							
				my new glasses?							
Post-co	ndition	l e: Inetri	uctor has d	reated an evalua	tion form	l l			<u> </u>		
1 031-00	Hallions	J. 1113111	uotoi nas t	orcated an evalue	auon ionn.						

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Test C	Test Description: Testing of instructor viewing results of evaluation forms									
Test Name: View Results					Test Designed by: Furkan Umut Kavsara					
Use Case Tested : ICES4HU-UC-13					Test Desig	ned l	Date: 28	/03/2023	;	
Test P	riority (Lo	ow/Mediur	n/High): Medium	Test Execu	ited b	y: Furk	an Umut	Kavs	sara
Modul	e Name:	Instructor			Test Execu	ıtion	Date: 14	4/05/202	3	
Pre-co	nditions	Instructor	is logg	ed in.						
Depen	dencies:	Instructor	must b	e assigned to coι	irses and an	evalu	ation fo	rm exists		
										·
Step	Test	Steps	Test	Expected	Actual	Not	tes	Status		
			Data	Results	Results			Р		F
1	press the Results"	button	1	See course ID and name.						
	on the co			See course						
2	pressed "Show R button of course.	the lesults"	2	evaluation results.						
				Test Da	ta Table					
		1		2	3		4			
Course	e ID	COO101		COO201						
Course Name Course One			ne	Course Two						
Results -				Evaluation Results						
Post-c	ondition	s: Instructo	r viewe	ed course evaluat	tion results.					

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Test C	case ID: 1	0				Test Description: Testing of department					
					manager assigning instructors to courses						
		sign Instru			Test Designed by: Furkan Umut Kavsara						
Use Case Tested : ICES4HU-UC-14						ned Date: 2					
Test Priority (Low/Medium/High): High						uted by: Fu			ara		
Modu	<u>le Name:</u>	Departme	nt mana	ager	Test Execu	ution Date:	13/05/202	23			
				nager is logged in							
Deper	ndencies:	Instructor	s must	be in the system	and courses	must exist i	n the sem	ester.			
Step	Test	Steps	Test	Expected	Actual	Notes	Status	<u> </u>			
			Data	Results	Results		Р		F		
	Departm	nent		See course							
		manager did not		name and							
1	press th		1	ID.							
	button o										
	instructo										
	the cour										
	Departm			Instructor							
_	manage		_	has been							
2	pressed		2	added to							
	"Add" bu			the course.							
	the instrunder th										
	course.	e									
	course.					1	+				
	L		<u> </u>	Toet Da	ta Table						
		1		2	3	4		Т			
				Course Two	 -			+**-			
Cours		COO102		COO382							
		000102						+			
Instruc		-		Instructor One							
Name					 						
POST-	condition	s: Departr	nent ma	anager has added	instructors t	o ine course	∌				

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Test Cas	Test Description: Testing of department manager creating required evaluation questions											
Test Na	me: Cre	eate Red	quired Qu	estions	Test Designed by: Furkan Umut Kavsara							
Use Cas	e Test	ed : ICE	S4HU-U	C-15	Test Designed Date: 28/03/2023							
Test Pri	Test Executed by: Furkan Umut Kavsara											
Module	Test Execu	ıtion	Date: 1	4/05/202	:3							
Pre-con	ditions	: Depar	tment ma	nager is logged ir	٦.							
Dependencies: There must be at least 8 questions.												
, and the second												
Step	Test	Steps	Test	Expected	Actual	No	tes	Status	;			
-		-	Data	Results	Results			Р		F		
	Depar	tment		Successful								
1	mana		1,2	creation of								
	has cr	eated		questions.								
	questi	ons.										
		tment		Not enough								
	mana			required								
2	did no	-	3	questions.								
	create											
	enoug											
	questi	ons.				-						
•••				To at Do								
		_			ata Table		1 4		T			
0 "		1		2	3	4						
Question	า 1	How is		How is the	How is the							
Question		course How is		course? How is the	course?				+			
Question	1 2	instruc		instructor?	How is the instructor?							
Question	. 2	How is		How is the	How is the				+			
Questioi	13	class?	uie	class?	class?							
Question	1 4	How a	re the	How are the	-		1		1			
Quodiloi	• •	slides?		slides?								
Question	า 5	How a		How are the	-							
	-	exams		exams?								
Question	า 6		re you?	How are you?	-							
Question	n 7	How is		How is the	-							
		classro	om?	classroom?								
Question	า 8	How a		How are the	-							
		referer	nce	reference								
		books	?	books?								
Question	า 9	-		How is the	-							
				weather?								
Question	า 10	-		How long is the	-							
				bus queue?								
Post-co	ndition	s: Depa	rtment M	anager has creat	ed required ev	/alua	tion que	stions.				

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Test Case ID: 12					Test Description: Testing of student enrolling in courses					
Test Name: Course Enrollment					Test Design	ned k	y: Furka	n Umut	Kavs	sara
Use Case	Tested	I:ICES4	4HU-UC	-04	Test Design	ned [Date: 28/	03/2023	}	
Test Prior	ity (Lov	w/Mediu	ım/High	ı): High	Test Execut	ted b	y: Furka	n Umut	Kavs	sara
Module Na	ame: S	tudent			Test Execut	tion	Date: 27	/04/202	3	
·										
Pre-condi	tions: S	Student	is logge	d in.						
Depender	ncies: (Courses	must ex	ist in the semes	ter.					
					_					
Step	Test S	Steps	Test	Expected	Actual	No	tes	Status	<u> </u>	
			Data	Results	Results			Р		F
1 7	Jser dic			See course				Pass		
	oress th		1	information						
	Enroll"				see course					
	on the c			User is	info.	0-		D		
	Jser pre		2	enrolled in	Enroll and see course		nnot roll in	Pass		
	outton o			the course.	info.	1	same			
	course.	יוו נווכ		the course.	11110.		urse.			
	ourse.					1 000	<u> </u>			
***			1	Test D	ata Table			l		
		1		2	3		4	<u> </u>		
Enrolled		No.		Yes		\dashv	=			
Course ID		COO20	5	COO406						
Course Na		Course		Course Two		\dashv				
Course		Comput		Computer		\dashv				
Departmer	_{nt}	Engine		Science						
				en enrolled in the	A COURSA					

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Test Case ID: 13		Test Description: Testing of student answering evaluation form					
Test Name: Answer Evaluation F	orm	Test Designed by: Furkan Umut Kavsara					
Use Case Tested : ICES4HU-UC			ned Date: 2				
Test Priority (Low/Medium/High			ited by: Furl				
Module Name: Student	i). i iigii		ution Date: 1				
Module Name. Student		I Test Exect	illon Dale.	4/03/202	3		
Dra conditional Student is logge	d in						
Pre-conditions: Student is logge		r and must be	wo on ovolu	ation form	araatad		
Dependencies: Course must exis	st in the semeste	r and must na	ave an evalua	alion ioini	created.		
Step Test Steps Test Da	to Fynastad	Actual	Notes	Status			
Step Test Steps Test Da	ta Expected Results	Results	Notes	P	F		
Ctudent has	11000110	Results	+	+ -	F		
Student has answered all 1, 2	Evaluation form has						
the	been						
questions.	answered.						
Student did	Evaluation			+			
not answer 3	form has						
all the	not been						
questions.	finished.						
	Test Da	ta Table		•			
1	2	3	4				
Question 1 1	1	1	-				
Question 2 1	3	4					
Question 3 2	5	5					
Question 4 3	2	-					
Question 5 5	4	-					
Question 6 -	1	-					
Question 7 -	3	3					
Question 8 -	5	2					
Post-conditions: Student has an	swered an evalu	ation form.		•			

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Test Case ID: 14 Test Description semester						ior	on: Testing of admin managing			
Test Nar	nester M	anageme	Test Designed by: Furkan Umut Kavsara							
Test Name: Semester Management Test Designed by: Furkan Umut Use Case Tested: ICES4HU-UC-09 Test Designed Date: 28/03/2023										
Test Price	ority (Lo	ow/Medi	um/High): Medium	Test Execute					
Module	Name:	Admin	_	•	Test Execution					
•										
Pre-con	ditions	: Admin i	s logged	in.						
Depende	encies:	Start da	te must b	e earlier than end	d date and they	mι	ist be later tha	an c	current d	ate.
Step	Test	Steps	Test	Expected	Actual	N	lotes	St	atus	
			Data	Results	Results			Р		F
	User e	entered		Dates have	Dates have			Ρi	ass	
1	dates		1	been	been					
	correc			entered.	entered.					
		entered		Start date	Start date	Y	ou cannot	Ρi	ass	
2		art date	2	can't be later	can't be	ı -	hoose a			
		han the		than the end	later than	_	tart date			
	end da	ate.		date.	the end	ı .~	iter than the			
					date.	Ť	nd date.			
		entered		Dates must	Dates must	1 -	ou cannot	Pa	ass	
_	one of			be later than	be later than		hoose			
3		earlier	3	the current	the current	earlier dates				
	than th			date.	date.		om the			
	currer	t date.		Took Do	to Toble	С	urrent date.	<u> </u>		
					ta Table					
<u> </u>		1		2	3	4			•••	
Start Dat		03.10.2		28.09.2024	27.09.2021			_		
End Date		22.01.2		03.06.2024	16.01.2022					
Post-conditions: Admin has defined semester start and end dates.										

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

Test Ca	5	Test Description: Testing of admin adding courses								
Test Name: Add Courses					Test Designed by: Furkan Umut Kavsara					
Use Cas	Use Case Tested : ICES4HU-UC-11					gned	Date : 28/03/	2023	}	
Test Pri	est Priority (Low/Medium/High): High Test Executed by: Furkan U						Jmut	Kavsa	ıra	
Module	Name:	Admin			Test Exec	ution	Date: 26/04	/202	3	
			s logged							
Depend semeste		Course	name mu	ıst be 3 letters an	d 3 numbers	and	course shou	ıld no	t exist	in the
Step	Test	Steps	Test	Expected	Actual	Not	es	Sta	tus	
•		•	Data	Results	Results			Р		F
1	User of all field correct		1	Course has been added.	Course has been added.			Pass		
2	User of the co		2	Course ID isn't valid.	Course ID isn't valid.	not an I	tem does say what D should t like for	Pas	SS	
3	User of a cour that all exists.	ready	3	Course already exists.	Course has not been added.	System does not give info if a course is added or not for now.		Pas	SS	
				Test Da	ta Table					
		1		2	3		4			
Course	D	COO20)5	CO28	COO205					
Course	Name	Course	One	Course Two	Course Th	ree				
Course		Compu	ter	Computer	Computer					
Departm		Science		Engineering	Science					
Post-co	nditions	s: Admin	has add	ed 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