

SECJ2203: Software Engineering

System Documentation

Project Title: FABU Alumni System

Version 3.0

30th June 2021

School of Computing, Faculty of Engineering

Prepared by: Seventh

Revision Page

a. Overview

The software design in this report is the first version of the alumni management system. This report consists of the introduction, system-specific requirement, system architectural design, detailed description of components, data design, user interface design, requirement matrix, test cases, and test approach analysis.

b. Target Audience

The target audiences of the alumni management system are the alumni in the Faculty of Built Environment and Surveying(FABU) and the FABU staff in the University of Technology Malaysia (UTM).

c. Project Team Members

Name	Matric Number	Role	Task	Status
Goh Jo Ey	A19EC0047	Team Leader	Requirement Matrix, Test Case, Test Approach Analysis	Completed
Ng Jing Er	A19EC0115	Member	Requirement Matrix, Test Case, Test Approach Analysis	Completed
Chiam Wooi Chin	A19EC0034	Member	Requirement Matrix, Test Case, Test Approach Analysis	Completed
Ong Yin Ren	A19EC0204	Member	Requirement Matrix, Test Case, Test Approach Analysis	Completed
Siti Fatimah Az Zahra	A19EC3032	Member	Requirement Matrix, Test Case, Test Approach Analysis	Completed

d. Version Control History

Version	Primary Author(s)	Description of Version	Date Completed
Version 1.0	Ng Jing Er Goh Jo Ey Ong Yin Ren	This version includes interface requirements, system features, performance requirements, design	25th May 2021

	Chiam Wooi Chin Siti Fatimah Az Zahra	constraints, software system attributes and other requirements of the alumni system.	
Version 2.0	Ng Jing Er Goh Jo Ey Ong Yin Ren Chiam Wooi Chin Siti Fatimah Az Zahra	This version includes the system architecture design(architecture style and rationale, component model), detailed description of components(package diagram, detailed description, class diagram and sequence diagram for each package), data design(data description, data dictionary) as well as the user interface design(overview and the screen images)	10th May 2021
Version 3.0	Ng Jing Er Goh Jo Ey Ong Yin Ren Chiam Wooi Chin Siti Fatimah Az Zahra	This version includes Requirement Matrix, Test Case and Test Approach Analysis.	

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8. Test Cases

8.1 TC001: Test <User> Subsystem: <Add User (UC0001)>

This test contains the following test cases:

(a) TC001: Test <Add User (SD001)>

Test Case ID		TC001	Test Case		Add User to the System							
			Description	n								
Created By		Goh Jo	Reviewed	Ву	Chiam Wo	ooi Chin	Version		1	.0		
		Ey										
QA Tester's	Log											
N			D . T .			2004	T 10		-			
Tester's Nam	ie	Chiam Wooi Chin	Date Teste	ed	June 22, 2	2021	Test Case		Pass			
		Wool Chin					(Pass/Fail Executed)					
							Executed					
0					6 "			<u> </u>				
S#	Prerequisi				S#		Requireme	nt				
1	Connect to active network			1	Valid Use	r ID						
2					2	Valid Info						
3					3							
4					4							
Test												
Conditions												
Step #	Step I	Details	Expected	d Results	,	Actual Resu	ılts	Pass /	Fail / Not ex	ecuted /		
									Suspended	t		
1	Select "Ad	d User"	The systen	n displays								
			add user p									
2	Select the	category of	-									
	the user		add user p									
			specific rol									
3	Enter Valid	d User ID	The system									
			the add us	er into								
4	Enter Valid	l lear Info	column The systen	n displays								
4	Linei vallo	7 0261 11110		ul add user								
			message	a. aaa asel								
			ooougo									

8.1.1 TC001_01: Test <Add User (SD001)>

This test contains the following alternate or exception scenarios:

(a) TC001_01: Test < Invalid User ID(SD001)>

Test Case II	D	TC001_0	Test Case		Add User	to the Syste	m			
		1	Descriptio	n						
Created By		Goh Jo	Reviewed	Bv	Chiam Wo	ooi Chin	Version		1	.0
,		Еу		,						
		_,								
	_									
QA Tester's	Log									
Tester's Na	me	Chiam	Date Teste	ed	June 22, 2	2021	Test Case		Pass	
		Wooi Chin					(Pass/Fail/	/Not		
							Executed)			
S #	Prerequisi	tes:			S#	Test Data	Requireme	nt		
1	Connect to	active netw	ork		1	Invalid Use	er ID			
2					2	Valid Info				
3					3	3 Valid User		·ID		
4				4						
Test										
Conditions										
Step #	Sten I	Details	Expected	l Results		Actual Resu	ilte	Pass / I	Fail / Not ex	ecuted /
Otop #	Otop I	octano	LAPCOICE	ricounto	'	totaai itosa			Suspended	
									Cuspendee	•
1	Select "Add	d Heor"	The system	displays						
'	Select Aut	u Osei	add user pa							
2	Coloot the	category of								
2		category or								
	the user		add user pa							
3	Enter Inval	id Heer ID	specific role The system							
3	Linei invai	iu USEI ID	the error m							
			the user ab							
			entered exi							
			system							
			-,0.0							

8.1.1 TC001_02: Test <Add User (SD001)>

This test contains the following alternate or exception scenarios:

(a) TC001_02: Test <Wrong Input Format (SD001)>

Test Case ID)	TC001_0	Test Case		Add User	to the Syste	m			
		2	Description	n						
Created By		Goh Jo	Reviewed	Ву			Version			
		Ey			Chiam W	ooi Chin				1
QA Tester's	Log									
Tantaria Nar		Ohiom	Date Teste	- 4	1.	00, 0004	Tast Casa		Dana	
Tester's Nar	ne	Chiam Wooi Chin	Date Teste	ea	JU	ine 22, 2021	(Pass/Fail/		Pass	
		Wooi Chin					Executed)			
S#	Prerequis	ites:			S#	Test Data	Requireme	nt		
1	Connect to	active netw	rork		1	Valid User	ID			
2					2	Invalid Info)			
3					3					
4					4					
<u>Test</u>										
Conditions										
Step #	Step I	Details	Expected	Results	1	Actual Resu	lts	Pass / F	ail / Not ex	ecuted /
									Suspended	I
1	Select "Ad	d User"	The systen	n displays						
			add user p							
2	Select the	category of								
	the user		add user p							
			specific rol							
3	Enter Valid	I User ID	The system							
			the add us	er into						
A	Entor Inves	id Hoor	column	a diaplace						
4	Enter Inval	iu User	The system an error me							
	11110		wrong inpu	_						
			wiong inpu	. Torriat						

8.2 TC002: Test <User> Subsystem: <Create Account (UC0002)>

This test contains the following test cases:

(a) TC002: Test < Create Account (SD002)>

Test Case		TC002	Test Case Description	n		count in the	e System			
Created B	у	Goh Jo Ey	Reviewed	Ву	Chiam W	ooi Chin	Version		1.	.0
QA Tester	's Log									
Tester's N	lame	Chiam Wooi Chin	Date Tested		June 23, 2021		Test Case (Pass/Fail/ Executed)		Pass	
S#	Prerequis	ites:			S#	Test Data	a Requireme	nt		
1		active netw	ork		1	Valid Use				
2					2	Valid Acc	ount Details			
3					3					
4					4					
Test										
<u>Conditio</u>										
<u>ns</u>										
Step #	Step I	Details	Expected Results			Actual Res	ults		Fail / Not ex Suspended	
1	select "Cre Account"	eate	The systen the Create Page							
2	Enter the valid user id The to accept the to		The system continue to display create account form and ask the user to enter account details							
3	Enter the valid account details		The system display successful create account message							

8.2.1 TC002: Test <Create Account (SD002)>

This test contains the following alternate or exception scenarios:

(a) TC002_01: Test <User ID not found(SD002)>

Test Case	: ID	TC002_0	Test Case Description		Create A	ccount in th	e System			
Created B	Ву	Goh Jo Ey	Reviewed	Ву	Chiam W	ooi Chin	Version		1	.0
QA Teste	r's Log									
Tester's N	lame	Chiam Wooi Chin	Date Test	ed	June 23,	2021	Test Case (Pass/Fail/N Executed)		Pass	
S#	Prerequis	ites:			S #	Test Dat	a Requirement	t		
1	Connect to	active netw	vork		1	Invalid U	serID			
2				2						
3					3					
4			1		4					
Test Conditio ns										
Step #	Step	Details	Expected	d Results		Actual Res	ults		ail / Not ex Suspended	
1	select "Create The syster Account" the Create Page									
2	Enter the i	invalid user	The syster the error m show the id in not foun database	nessage to						

8.2.1 TC002_02: Test <Create Account (SD002)>

This test contains the following alternate or exception scenarios:

(a) TC002_02: Test <Invalid Account Details(SD002)>

Test Case II)	TC002_0 2	Test Case Description	n		count in the	System			
Created By		Goh Jo Ey	Reviewed	Ву	Chiam W	ooi Chin	Version		1.	.0
QA Tester's	Log									
Tester's Nar	me	Chiam Wooi Chin	Date Teste	ed	June 22,	2021	Test Case (Pass/Fail/ Executed)	Not	Pass	
S#	Prerequisi	ites:			S#	Test Data	Requireme	nt		
1		active netw	ork/		1	Valid Use				
2					2	Invalid Ac	count Details			
3					3					
4					4					
Test Conditions										
Step #	Step [Details	Expected	d Results	,	Actual Resu	ults	Pass / I	Fail / Not ex Suspended	
1	select "Cre Account"	eate	The system the Create Page							
2	Enter the v	alid user id	to display of	create rm and ask enter						
3	Enter inval details	id account	The systen the invalid for the accordetails and error mess	data type ount display						

8.3 TC003: Test <User> Subsystem: <Login (UC0003)>

This test contains the following test cases:

(a) TC003: Test <Login (SD003)>

Test Cas	se ID	TC003	Test Case Description		Login to the System							
Created	Ву	Goh Jo Ey	do Reviewed By Chiam Woo				Version		1	.0		
QA Test	er's Log											
Tester's	Name	Chiam Wooi Chin	Date Tested		June 25,	2021	Test Case (P.	ass/Fail/Not	Pass			
S#	Prerequisites: Connect to active network				S #		Requirement					
1	Connect	Connect to active network			1	Valid Username						
2					2	Valid Password						
3				3								
4		ī			4							
Test Conditi ons												
Step #	Step Details Expected Re		Expected Re	sults		Actual Re	sults	Pass / Fail / Not e Suspende		ed /		
1	Select "Login" The system displays the log page		gin									
2	Enter username The system and password displays the m page		ain									

8.3.1 TC003_01: Test <Login (SD003)>

This test contains the following alternate or exception scenarios:

(a) TC003_01: Test <Invalid Username and Password(SD003)>

Test Cas	se ID	TC003_01	Test Case Description	1	Login to th	ne System				
Created	Ву	Goh Jo Ey	Reviewed E	Ву	Chiam Wo	ooi Chin	Version		1	.0
QA Test	er's Log									
Tester's	Name	Chiam Wooi Chin	Date Tested	i k	June 25, 2	2021	Test Case (Pase (Pase Case (Pase (Pas	ass/Fail/Not	Pass	
S#	Prerequ	isites:			S#	Test Data R	equirement			
1	Connect	to active netw	ork		1	Invalid Userr	name			
2					2	Invalid Pass	word			
3					3	Valid Userna	ame			
4					4					
Test Conditi ons										
Step #	Ste	p Details	Expecte Results			Actual Resu	ults	Pass / Fail / Not e Suspende		ed /
1	Select "L	ogin"	The system displays the page							
2	Enter invusernam	e and invalid	System disp error messa and ask the to enter valid	ge user						
3		lid username lid password	System disp error messa and ask the to enter valid password	ge user						

8.4 TC004: Test <User> Subsystem: <Remove User (UC0004)>

This test contains the following test cases:

(a) TC004: Test <Remove User (SD004)>

Test Case	· ID	TC004	Test Case Description		Remove I	Jser from S	ystem		
Created B	у	Goh Jo Ey	Reviewed	Ву	Chiam W	ooi Chin	Version		1.0
QA Tester	's Log								
Tester's N	lame	Chiam Wooi Chin	Date Teste	ed	June 25,	2021	Test Case (Pass/Fail/N Executed)	Pass	
S#	Prerequis	ites:			S#	Test Data	a Requirement	t	
1	Connect to	active netw	ork/		1	Valid Rer	nove User ID		
2	Must have	the account	t		2				
3					3				
4			1		4				
Test Conditio ns									
Step #	Step I	Details	Expected	d Results	,	Actual Res	ults	Pass / Fail / Not Suspend	
1	User selectuser"	t "remove	The syster	n displays e user page					
2	Enter remo	ove user id	The syster the confirm remove me	nation					
3	User selective remove"	t "confirm	The syster successful user mess	remove					

8.4.1 TC004: Test <Remove User (SD004)>

This test contains the following alternate or exception scenarios:

(a) TC004_01: Test <Invalid User ID(SD004)>

Test Case	e ID	TC004_01	Test Cas Descript		Remove	User from S	System			
Created B	Ву	Goh Jo Ey	Reviewe	ed By	Chiam W	ooi Chin	Version		1	.0
QA Tester	r's Log									
Tester's N	lame	Chiam Wooi Chin	Date Te	sted	June 25,	2021	Test Case (Pass/Fail/I	Not	Pass	
S#	Prerequis	ites:			S#	Test Dat	a Requiremer	nt		
1	Connect to	active networ	k		1	Invalid re	emove user id			
2	Must have	the account			2					
3					3					
4					4					
Test Conditio ns										
Step #	Step	Details	Expecte	ed Results		Actual Res	sults		Fail / Not ex Suspended	
1	User selectuser"	t "remove	The syst displays remove							
2	Enter invaluser id	id remove	The syst displays message user id e							

8.5 TC005: Test < Mobile> Subsystem: <View News (UC0005)>

This test contains the following test cases:

(a) TC005: Test <View News (SD004)>

Test Ca	se ID	TC005	Test	Case Description	Funct	onality	opening	News Info page		
Created	Ву	Ng Jing Er	Revie	ewed By	Goh J	о Еу	Versio	on	1	
QA Test	ter's Log	Į.								
Tester's	Nama	Cab la Ev	Data	Tested	20th J		To at C	Page (Dage (Fail/Nat	Dese	
resters	Name	Goh Jo Ey	Date	Testea	20th 3	une	Execu	case (Pass/Fail/Not ted)	Pass	
S #	Prerequ	iisites:			S #	Test D	ata Red	quirement		
1	User ac	cessed to news p	age		1	Valid N	lewsID(with information)		
2		ì			2		7		,	
Test Cor	nditions	Verify on view	news							
Cton #		Stan Dataila	Evi	pected Results	Act	ual Re	nulto.	Pass / Fail / No	t executed	4 /
Step #	tep# Step Details		EX	pecieu Resulls	ACI	uai Ke	suits	Susper		
1	Access	to News page		page should by news						
2	Click vie	w button	News	info page should						

8.5.1 TC005_01: Test <View News (SD004)>

This test contains the following alternate:

(a) TC005_01: Test <View News with no information (SD004)>

Test Ca	se ID	TC005_01	Tes	t Case Description	Fun	ctionality	y opening	News Info page		
Created	I By	Ng Jing Er	Rev	iewed By	Goh	Jo Ey	Version		,	1
QA Test	ter's Log	Ĺ								
Tester's	Name	Goh Jo Ey	Date	e Tested	20th	June	Tost Ca	se (Pass/Fail/Not	Pass	
rester s	o Mairie	Goil 30 Ly	Date	resteu	202		Execute	· ·	1 833	
S #	Prerequ	iisites:			S #	Test D	ata Requ	irement		
1	User ac	cessed to news p	age		1	Invalid	NewsID(\	without information)		
2					2		,			·
Test Co	nditions	Verify on view	news							
Cton #		tep Details		Synacted Deculto		ctual R	001110	Pass / Fail / No	t avaguta	a /
Step #	5	otep Details		xpected Results		ictuai K	esuits	Susper		a /
1	Access	to News page	New	s page should						
				lay news						
2	Click vie	w button	The	system display a						
			'No	information'						
			mes	sage to the user						

8.6 TC006: Test < Mobile> Subsystem: <View Event (UC0006)>

This test contains the following test cases:

(a) TC006: Test <View Event (SD005)>

Test Ca	se ID	TC006	Test	Case Description	Fund	tionality or	pening I	Event Info page		
Created	l By	Ng Jing Er	Revi	ewed By	Goh	Jo Ey	Version	on	1	
QA Tes	ter's Log	Ĺ								
Tester's	s Name	Goh Jo Ey	Date	Tested	20th	June	Test (Case (Pass/Fail/Not	Pass	
					2021		Execu	ited)		
S #	·					Test Data	Requi	rement		
1	1 User accessed to event p		age		1	Valid Eve	ntID(wi	th information)		
2					2					
		1 1/2 1/2	<u>.</u>							
Test Co	<u>nditions</u>	Verify on view	event							
Step #	S	tep Details	E	xpected Results	Α	ctual Res	ults	Pass / Fail / N Suspe		d /
1	Access	to Event page	Ever	nt page should						
			displ	ay events						
2	Click vie	ew button		nt info page should						
			oper	1						

8.6.1 TC006_01: Test <View Event with no information (SD005)>

This test contains the following alternate:

(a) TC006_01: Test <View Event with no information (SD005)>

Test Ca	se ID	TC006_01	Test C	ase Description	Func	tionality	opening E	vent Info page		
Created	Ву	Ng Jing Er	Review	ved By	Goh	Jo Ey	Version			1
QA Tes	ter's Log	1								
Tester's	s Name	Goh Jo Ey	Date T	ested	20th 2021	June	Test Ca	se (Pass/Fail/Not	Pass	
S#	Prerequ	uisites:			S#	Test Da	ata Requi	rement		
1	User ac	cessed to event p	page		1	Invaid E	ventID(w	ithout information)		
2					2			1		
Test Co	<u>nditions</u>	Verify on view	event							
Step #	Step Details		Exp	pected Results	A	ctual Re	esults	Pass / Fail / N Suspe		ited /
1	Access	to Event page		page should events						
2	Click vie	ew button	-	stem display a 'No ation' message to er						

8.7 TC007: Test < Mobile> Subsystem: <View Charity (UC0007)>

This test contains the following test cases:

(a) TC007: Test <View Charity (SD006)>

Test Ca	se ID	TC007		: Case cription	Functi	onality o	pening Ch	narity Info page		
Created	Ву	Ng Jing Er	Rev	iewed By	Goh J	о Еу	Version			1
QA Test	ter's Log									
Tester's	Name	Goh Jo Ey	Date	e Tested	20th J 2021	une	Test Ca	se (Pass/Fail/Not	Pass	
S#	Prerequ	iisites:			S#	Test Da	ta Requi	rement		
1	User ac	cessed to Charity	page		1	Valid Ch	narityID(w	ith information)		
2		T.	1		2					
Test Co	nditions	Verify on view c	harity							
Step #	•	Step Details	Ex	pected Results	A	ctual Res	sults	Pass / Fail / No Susper		ed /
1	Access	to Charity page		rity page should ay charity						
2	Click vie	w button		rity info page ıld open						

8.7.1 TC007_01: Test <View Charity with no information (SD006)>

This test contains the following alternate:

(a) TC007_01: Test <View Charity with no information (SD006)>

Test Ca	se ID	TC007_01	Test C	ase Description	Funct	ionality o	pening Cl	narity Info page		
Created	Ву	Ng Jing Er	Review	ved By	Goh .	lo Ey	Version			1
QA Tes	ter's Log									
Tester's	s Name	Goh Jo Ey	Date T	ested	20th 3	June	Test Ca	se (Pass/Fail/Not	Pass	
S#	Prerequ	iisites:			S#	Test Da	ta Requi	rement		
1	User ac	cessed to Charity	y page		1	Invalid (CharityID(without information)		
2					2					
Γest Co	nditions	Verify on view	charity							
Step #	S	tep Details	Ехр	ected Results	A	ctual Re	sults	Pass / Fail / No Suspe		ed /
1	Access	to Charity page	-	page should charity						
2	Click vie	ew button	'No info	stem display a ormation' ge to the user						

8.8 TC008: Test <Mobile> Subsystem: <View Report (UC0008)>

This test contains the following test cases:

(a) TC008: Test <View Report (SD007)>

Test Ca	se ID	TC008	Test	Case Description	Fun	ctionality	opening I	Report Info page		
Created	Ву	Ng Jing Er	Revie	wed By	Goh	Jo Ey	Version	1		1
QA Test	ter's Log									
Tester's	Name	Goh Jo Ey	Date	Tested				se (Pass/Fail/Not	Pass	
					202	1	Execute	ed)		
S #	Prerequisites:					Test Da	ta Requirement			
1	User accessed to Report p		age		1	Valid Re	portID(wi	th information)		
2					2					
Test Co	nditions	Verify on view rep	ort							
Ctan #		ton Detaile		manta d Danulta		ctual Re		Pass / Fail / N	-1	4l /
Step #	Step Details		EX	pected Results		actual Ke	suits	Pass / Fail / N Suspe		tea /
1	Access	to Report page	· ·	t page should y report						
2	Click vie	w button	Repoi open	t info page should						

8.8.1 TC008_01: Test <View Report with no information (SD007)>

This test contains the following alternate:

(a) TC008_01: Test <View Report with no information (SD007)>

Test Ca	se ID	TC008_01	Test	Case Description	Fun	ctionality	y opening	Report Info page		
Created	Ву Ву	Ng Jing Er	Revie	ewed By	Goh	Jo Ey	Versio	า		1
QA Tes	ter's Loc	I								
Tester's	s Name	Goh Jo Ey	Date	Tested	20th	June	Test Ca	ase (Pass/Fail/Not	Pass	
					202	1	Execut	ed)		
	_						<u></u>			
S#	Prerequ	iisites:			S#	Test D	ata Requ	irement		
1	User ac	cessed to Report p	age		1	Invalid	ReportID	(without information)		
2					2					
Test Co	nditions	Verify on view rep	ort							
Step #	8	Step Details E		xpected Results	A	ctual R	esults	Pass / Fail / N Suspe		uted /
1	Access	to Report page	Repo	rt page should	1					
			displa	ay report						
2	Click vie	ew button		system display a 'No nation' message to ser						

8.9 TC009: Test <Alumni> Subsystem: <Filter Friend (UC0013)>

This test contains the following test cases:

(a) TC009: Test <Filter Friend (SD010)>

Test Case ID	TC009	Test Cas	е	Filter frien	d from the	e system			
		Descripti	on						
Created By	Ong Yin	Reviewed	d By	Siti Fatima	ah Az	Version			1
	Ren			Zahra					
QA Tester's Log									
Tester's Name	Siti Fatim	nah Az	Date	June 27, 2	2021	Test Cas	e	Pass	
	Zahra			,		(Pass/Fa	il/Not		
						Executed			
S #	•			S#	Test Dat	a Requiren	nent		
1	Accessed to the			1	Valid Frie	endID			
	friend page								
2	1 3			2					
3				3					
4				4					
Test Conditions									
Step #	Step	Expecte	d Results	Ac	tual Resi	ults	Pass / F	ail / Not ex	cecuted /
	Details						;	Suspende	d
1	Select	System re	etrieves	As Expect	ted				
	"filter	the friend							
	friend"	informatio	on						
2	Select the	System d	isplay						
	filter	result of f	riend	As					
	criteria			Expected					
						-			
				1			1		

8.9.1 TC009_01: Test <Filter Friend (SD010)>

This test contains the following alternate or exception scenarios:

(a) TC009_01: Test <Friend ID not found(SD010)>

Test Case ID		TC009_0	Test Case		Filter frien	d from the s	ystem			
		1	Descriptio	n						
Created By		Ong Yin	Reviewed	Ву	Siti Fatima	h Az Zahra	Version			1
		Ren								
QA Tester's	Loa									
Tester's Nan	ne	Siti	Date Teste	ed	June 27, 2	2021	Test Case		Pass	
		Fatimah					(Pass/Fail			
		Az Zahra					Executed)			
S#	Prerequ	uisites:			S#	Test Data	Requireme	nt	1	
1	Accesse	cessed to the friend page			1	Invalid frie	ndID			
2					2					
3					3					
4					4					
<u>Test</u>										
Conditions										
Step #	Ctou	Deteile	Function	d Results		ctual Resu	14-	Daga / F	ail / Not ex	
Step #	Step	Details	Expected	i Results		ictuai Resu	its		Suspende	
1	Select "	filter friend"	System ret	rieves the						
			friend infor							
2	Select the filter System disp		play no							
	criteria		friend foun	d						
						•				
	l		I .							

8.9.2 TC009_02: Test <Filter Friend (SD010)>

This test contains the following alternate or exception scenarios:

(a) TC009_02: Test <Friend ID not match(SD010)>

Test Case ID		TC009_0 2	Test Case Description		Filter frien	d from the s	ystem			
Created By		Ong Yin Ren	Reviewed	Ву	Siti Fatima	ah Az Zahra	Version			1
QA Tester's	Log									
Tester's Nam	ne	Siti Fatimah Az Zahra	Date Teste	ed	June 27, 2	2021	Test Case (Pass/Fail Executed)	/Not	Pass	
S#	Prereq	uisites:			S #	Test Data	Requireme	ent		
1	Accessed to the friend page		end page		1	Invalid Frie				
2					2					
3					3					
4					4					
Test Conditions										
Step #	Ster	Step Details Expecte		d Results	F	Actual Resu	lts		Fail / Not ex Suspended	
1	Select '	"filter	System no							
2			match							

8.10 TC010: Test <Alumni> Subsystem: <Add Friend (UC0014)>

This test contains the following test cases:

TC010: Test <Add Friend (SD007)>

Test Case II)	TC010	Test Case Descriptio	n	Add Friend	to the Syst	em			
Created By	ı	Ong Yin Ren	Reviewed	Ву	Siti Fatima	h Az Zahra	Version			1
QA Tester's	Log									
Tester's Na	me	Siti Fatimah Az Zahra	Date Teste	ed	June 27, 2	021	Test Case (Pass/Fail/ Executed)	Not	Pass	
S#	Prerequisi	tes:			S#	Test Data	Requiremen	nt		
1	Connect to	active netw	ork		1	Valid Frien	d ID			
2	Must have the accour				2					
3					3					
4					4					
Test Conditions										
Step #	Step [Details	Expected Results		A	ctual Resu	Its		Fail / Not ex Suspended	
1	Select "Add	d Friend"	The system							
2	Select the the friend	category of	The system user info for role							
3	Select frier be added	nd want to	The system friend into t							

8.10.1 TC010_01: Test <Add Friend (SD007)>

This test contains the following alternate or exception scenarios:

(a) TC010_01: Test <Invalid Friend ID(SD007)>

Test Case ID		TC010_0 1	Test Case Descriptio		Add Frier	nd to the Syst	em			
Created By		Ong Yin Ren	Reviewed		Siti Fatim	ah Az Zahra	Version	ì		1
QA Tester's	Log									
Tester's Nam	ne	Siti Fatimah Az Zahra	Date Teste	ed	June 27,	2021	Test Case (Pass/Fail Executed)	/Not	Pass	
S#	Prerequis	ites:			S#	Test Data	Requireme	ent		
1	Connect to active network		vork		1	Invalid Frie	nd ID			
2	Must have the aacount				2					
3					3					
4			1		4		ı			
Test Conditions										
Step #	Step Details Expected		Expected	d Results	1	Actual Resul	ts	Pass / I	Fail / Not ex Suspended	
1	Select "Ad	d User"	The system							
2	Select the category o	_	The system displays							

8.11 TC011: Test <Alumni> Subsystem: <Delete Friend (UC0015)>

This test contains the following test cases:

TC011: Test < Delete Friend (SD008)>

Test Case ID)	TC011	Test Case Description		Delete Frie	end from Sys	stem			
Created By		Ong Yin Ren	Reviewed	Ву	Siti Fatima	h Az Zahra	Version			1
QA Tester's	Log									
Tester's Nan	ne	Siti Fatimah Az Zahra	Date Teste	ed	June 27, 2	021	Test Case (Pass/Fail/ Executed)	/Not	Pass	
S #	Prerequisi	ites:			S#	Test Data	Requireme	nt		
1	Connect to	active netw	ork/		1	Valid Rem	ove Friend			
2	Must have the account		t		2					
3					3					
4		1	1		4		1			
Test Conditions										
Step #	Step [Details	Expected	d Results	A	ctual Resu	lts	Pass /	Fail / Not ex Suspended	
1	User selectifriend"	t "delete	The systen							
2	Enter delet	e friend id	The system the confirm remove me	n displays ation						
3	3 User select "confirm delete"		The system display successful remove user message							

8.11.1 TC011_01: Test <Delete Friend (SD008)>

This test contains the following alternate or exception scenarios:

TC011_01: Test <Invalid Friend ID(SD008)>

Test Case II		TC011_0	Test Case Description		Delete frie	end from Sys	tem			
Created By		Ong Yin Ren	Reviewed	Ву	Siti Fatim	ah Az Zahra	Version	T		1
QA Tester's	Log									
Tester's Nar	me	Siti Fatimah Az Zahra	Date Teste	ed	June 27, 2	2021	Test Case (Pass/Fail Executed)	/Not	Pass	
S#	Prerequis	ites:			S #	Test Data	Requireme	nt		
1	Connect to active netv		vork		1	Invalid frie	nd id			
2	Must have the account		t		2					
3					3					
4					4		1		1	1
Test Conditions										
Step#	Step	Details	Expected	d Results	,	Actual Resu	lts	Pass /	Fail / Not e Suspende	
1	User select			n displays friend page						
2	Enter inva	lid friend id	The system the error m about the u entered no the system	n displays essage user id t found in						

8.12 TC012: Test <Alumni> Subsystem: <Search Friend (UC0016)>

This test contains the following test cases:

TC012: Test <Search Friend (SD009)>

Test Case II	est Case ID	TC012	Test Case		Search Friend from System							
			Descriptio	n								
Created By		Ong Yin	Reviewed	Ву	Siti Fatim	ah Az Zahra	Version			1		
		Ren										
QA Tester's	Log											
Tester's Na		Siti	Date Teste	a d	June 27,	2021	Test Case		Pass			
rester 5 Mai	iie	Fatimah	Date Teste	ŧu	June 27,	2021	(Pass/Fail		F455			
		Az Zahra					Executed)					
0 "					0 "							
S #	Prerequis				S#		Requireme	ent				
1	Connect to active network		vork		1	Valid Frien	d ID					
2	Must have	the accoun	t		2							
3					3							
4					4							
Test Conditions												
Step #	Step	Details	Expected	d Results		Actual Resu	lts	Pass / I	Fail / Not ex	xecuted /		
									Suspende	d		
1	User selec	t "search	The systen	n displays								
	friend"		the search page	friend								
2	Enter frien	d id	The systen	n displays								
			the friend in	nformation								

8.12.1 TC012_01: Test <Search Friend (SD009)>

This test contains the following alternate or exception scenarios:

TC012_01: Test <Invalid Friend ID(SD009)>

Test Case ID		TC012_0	Test Case		Search Fi	riend from Sy	stem			
		1	Descriptio	n						
Created By		Ong Yin	Reviewed	Ву	Siti Fatim	ah Az Zahra	Version			1
		Ren								
QA Tester's	Log									
Tester's Nam	ne	Siti	Date Teste	ed	June 27, 2	2021	Test Case		Pass	
		Fatimah					(Pass/Fail/	Not		
		Az Zahra					Executed)			
S#	Prerequis	ites:			S #	Test Data	Requireme	nt		
1	Connect to	active netw	ork/		1	InValid Frie	end ID			
2	Must have	the accoun	t		2					
3					3					
4					4					
Test										
Conditions										
Step #	Step I	Details	Expected	d Results	,	Actual Resu	lts		ail / Not ex Suspended	
									Suspended	•
1	User selec	t "search	The systen	n displays						
	friend"		the search	friend						
			page							
2	Enter inval	lid friend id	The systen	n displays						
			the no id fo	ound						
	ı		1		1					

8.13 TC013: Test <Alumni> Subsystem: <Update Profile (UC0017)>

This test contains the following test cases:

(a) TC013_01: Test < Update Successful (SD002)>

Test Case	_				Test the u	pdate profile	page when	the input is	valid	
		1	Description	n						
Created By	/	Siti	Reviewed	Ву			Version			
		Fatimah								
		Az Zahra			Ong Yin	Ren				1
QA Tester	's Log									
Tester's N	ame	Ong Yin	Date Teste	ed	June 22, 2	2021	Test Case		Pass	
		Ren			0 0, _	.02.	(Pass/Fail		. 466	
							Executed)			
S#	Prerequisi	ites:			S #	Test Data	Requireme	nt		
1	Must conne	ect to the In	ternet		1	Valid data				
2	User has logged into the a				2					
	USEI Has it	ogged into ti	ie account							
3					3					
4										
Test Cond	itions									
Cton #	Cton I	Details	Evenete	d Deculte		ctual Resu	léa.	Dees / I	Fail / Not ex	couted /
Step #	Step I	Details	Expected	d Results		ictuai Resu	its		Suspended	
									Ouspendee	
1	View user	profile	Display us	er profile						
2										
	Choose update Display updat profile page		uate prome							
3	User insert	valid data	System up	date						
			information							
			data and d							
			successful							

(b) TC013_02: Test <Wrong Input Format(SD002)>

Test Case	ID	TC013_0	Test Case		Test the up	odate profile	page when	the input is	invalid	
		2	Description	n						
Created B	у	Siti	Reviewed	Ву	Ong Yin R	en	Version			
		Fatimah								
		Az Zahra								1
QA Tester	's Log									
Tester's N	ame		Date Teste	7 4	June 22, 2	021	Test Case		Pass	
100101 0 14	unio	Ong Yin	Dute resid		ounc 22, 2	021	(Pass/Fail/		1 455	
		Ren					Executed)			
S#	Prerequisi	itos:			S#	Tost Data	Requireme	nt		
1	Must connect to the Internet		ternet		1	Invalid data	a			
2	User has lo	ogged into tl	ne account		2					
3					3					
4					4					
Test Cond	<u>litions</u>									
Step #	Step [Details	Expected	d Results	А	ctual Resu	lts	Pass / F	ail / Not ex	ecuted /
									Suspended	l
1	View user	profile	Display use	er profile						
2	Choose up	date	Display up	date profile						
	profile page									
3	User insert	invalid	System dis	play error						
	data		message							

8.14 TC014: Test <Alumni> Subsystem: <View Status (UC0017)>

This test contains the following test cases:

(a) TC014_01: Test <View Status (SD003)>

Test Case ID	TC014	Test Case	Test the function to vie	ew status	
		Description			
Created By	Siti	Reviewed By	Ong Yin Ren	Version	
	Fatimah				1

		Az Zahra								
QA Tester	r's Log									
Tester's N	lame	Ong Yin Ren	Date Teste	ed	June 22, 2	021	Test Case (Pass/Fail Executed)	/Not	Pass	
S#	Prerequisi	ites:			S#	Test Data	Requireme	ent		
1	Must conne	ect to the In	ternet		1	valid alumr	niID			
2	User has lo	ogged into tl	ne account		2					
3					3					
4					4					
Test Conc	ditions									
Step #	Step I	Step Details Expecte		d Results	A	ctual Resul	lts		Fail / Not ex Suspended	
1	User open an alumni Display pr page with valid alumniID									
2	Select view	v status	Display sta	itus						

8.15 TC015: Test <Alumni> Subsystem: <Upload Status (UC0019)>

This test contains the following test cases:

(a) TC015_01: Test <Confirm Upload Status (SD005)>

Test Case ID	TC015_0	Test Case	To test upload status t	unctionality		
	1	Description				
Created By	Siti	Reviewed By	Ong Yin Ren	Version		
	Fatimah					
	Az Zahra				1	
QA Tester's Log						

Tester's Name Ong Yin Ren		Date Tested		June 22, 2021		Test Case (Pass/Fail/Not Executed)		Pass		
S#	Prerequis	ites:			S #	Test Data	Requireme	nt		
1	Must connect to the Internet				1	Valid statusText				
2	User has logged into the account				2					
3					3					
Test Cond	Test Conditions									
Step #	Step Details Expec		Expected	d Results	A	ctual Resu	Pass / Fail / Not exc Suspended			
1	View user profile Display use		er profile							
2	Choose upload status Display upl page		oad status							
3	User insert statusText confirm to	and	System up and display successful							

(b) TC015_02: Test <Cancel Upload Status (SD005)>

Test Case	· ID	TC015_0	Test Case		To test upload status functionality when user cancel to upload new					
2 Description				status						
Created By		Siti	Reviewed By		Version					
		Az Zahra			Ong Yin Ren					1
QA Tester	r's Log									
Tester's N	Tester's Name		Date Tested				Test Case (Pass/Fail/Not Executed)		Pass	
					June 22,					
		Ren			2021					
S #	Prerequisites:				S#	Test Data Requirement				
1	Must connect to the Internet				1	Invalid statusText				
2	User has logged into the account				2					
3					3					

Test Cond	ditions			
Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	View user profile	Display user profile		
2	Choose upload status	Display upload status page		
3	User insert invalid statusText and cancel to upload	Display upload status cancel message		

8.16 TC016: Test <Alumni> Subsystem: <Edit Status (UC0020)>

This test contains the following test cases:

(a) TC016_01: Test <Edit Status (SD004)>

Test Case	ID	TC0016	Test Case)	To test edi	t status fund	ctionality			
			Description	on						
Created B	у	Siti	Reviewed	Ву			Version			
		Fatimah								
		Az Zahra			Ong Yin	Ren				1
QA Tester	"s Log									
Tester's N	lame		Date Test	ed	June 22, 2	021	Test Case			
		Ong Yin					(Pass/Fail	/Not		
		Ren					Executed)			
S#	Prerequis	ites:	1		S#	Test Data	Requireme	nt	1	
1	Must conn	ect to the In	ternet		1	Valid statu	sText			
2	User has lo	ogged into tl	ne account		2					
3	User must	has a status	s already		3					
4					4					
Test Conc	litions									

Step#	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	View user profile	Display user profile		
2	Choose edit status	Display edit status page		
3	User insert valid	System update new		
	statusText and confirm to upload	status		

8.17 TC017: Test <Alumni> Subsystem: <Delete Status (UC0021)>

This test contains the following test cases:

(a) TC017_01: Test <Confirm Delete Status (SD006)>

Test Case	: ID	TC017_0	Test Case		To test del	ete status f	unctionality			
		1	Description	n						
Created B	у	Siti	Reviewed	Ву			Version			
		Fatimah								
		Az Zahra			Ong Yin	Ren				1
QA Tester	r's Log									
Tester's N	lame		Date Teste	ed	June 22, 2	021	Test Case		Pass	
		Ong Yin					(Pass/Fail/	Not		
		Ren					Executed)			
S #	Prerequisi	ites:			S #	Test Data	Requireme	nt		
1	Must conn	ect to the In	ternet		1	valid alum	niID			
2	User has lo	ogged into tl	ne account		2					
3	User must	has a status	s already		3					
4					4					
Test Cond	ditions									
Step #	Step I	Details	Expected	d Results	Α	ctual Resu	Its		ail / Not ex	
									Suspended	i
1	View user	profile	Display use	er profile						
2	Choose delete status Display delete status									
			-, -, 50							

		page	
3	User click delete	Display confirmation	
	status	message	
4	User confirm deletion	System delete status	
		and display	
		successful message	

(b) TC017_02: Test <Cancel Delete Status (SD006)>

Test Case	e ID	TC017_0	Test Case		To test de	ete status f	unctionality v	when user of	cancel delet	ion
		2	Description	n						
Created B	Ву	Siti	Reviewed	Ву	Ong Yin R	en	Version			1
		Fatimah								
		Az Zahra								
QA Teste	r'e Loa									
QA TESIE	i S LU <u>u</u>									
Tester's N	lame		Date Teste	ed	June 22, 2	021	Test Case		Pass	
		Ong Yin					(Pass/Fail	/Not		
		Ren					Executed)			
S#	Prerequis	ites:			S#	Test Data	Requireme	nt		
1		ect to the In	tornot		1	valid alum				
					_	valid alum	טווט			
2	User has lo	ogged into the	he account		2					
3	User must	has a status	s already		3					
4					4					
										1
Test Cond	<u>ditions</u>									
Step #	Step I	Details	Expected	d Results	A	ctual Resu	Its	Pass / I	ail / Not ex	recuted /
q									Suspended	
									Сиоронио	-
1	View user	nrofile	Display us	ar profile						
'	based on v	•	Display us	ei pionie						
	alumniID	ranu								
2		elete status	Display de	ete status						
	5.10000 00		page	olo olalas						
3	User click	delete	Display co	nfirmation						
	status	451010	message							
4	User cance	el to delete	System red	direct to						
_	OSCI CAIRCE	or to delete	status page							
			ciaias pagi	•						

8.18 TC018: Test <Alumni> Subsystem: <Update Architecture Licensing (UC0009)>

This test contains the following test cases:

(a) TC018: Test < Update architecture license (SD001)>

Test Case	ID	TC_0018	Test	Case Description	Tes	t Update Are	chitecture Licensing	g when valid license
Created B	у	Chiam Wooi Chin	Revie	ewed By	Ng	Jing Er	Version	2.1
QA Tester	's Loa							
Tester's N	ame	Ng Jing Er	Date	Tested	Ju	ne 22, 2021	Test Case (Pass/Fail/Not Executed)	Pass
S#	Prerequisites				S	Test Data		
5#	Prerequisites	•			#	rest Data		
1	Accessor alrea	ady logged on			1	licenseType	e = state architectu	re
2	Accessor selec	ct update archite	ecture	licensing from menu	2	licenseAvai	ilableDate= 01/01/2	2025
3					3			
4			1		4			
Test Scenario	Verify on upda	te architecture						
Step #	Step I	Details		Expected Results	Ac	tual Result		/ Not executed /
1	Select update			em display existing tecture licensing page				
2	Enter license t			seType and available date	•			
	available date			e entered				
3	Click Update	,	licens					-
				ay updated architecture sing page				

8.18.1 TC018_01: Test <Update architecture license (SD001)>

This test contains the following alternate or exception scenarios:

(a) TC018_01: Test <Invalid license (SD001)>

Test Case	ID	TC_0018_01	Test	Case Description	Test		hit	ecture Licensing whe	n invalid
Created B	у						V	ersion	2.1
						_			
QA Tester	's Log			I.					
Tester's N	ame	Ng Jing Er	Date	Tested	June 22, 2021 Test Case (Pass/Fai Executed		ass/Fail/Not	Pass	
S #	Prerequisites:			T	S #	Test Data			
1	Accessor alread	dy logged on			1		e =	degree architecture	
2		update architecture			2			oleDate= 20/10/2050	
	licensing from n				_	licenserva	IIG	SICDAIC- 20/10/2000	
3					3				
4					4				
Test	Verify on update	e architecture							
Scenario	licensing								
Step #	Step	o Details		Expected Results	Ac	tual Result	S	Pass / Fail / Not e Suspende	
1	Select update a from menu	rchitecture licensing		em display existing itecture licensing page					
2	Enter invalid lice available date	ense type and		seType and available can be entered					
3	Click Update		displ	ay error message					

8.19 TC019: Test <Mobile> Subsystem: <View Alumni List (UC0010)>

This test contains the following test cases:

(a) TC019: Test <View Alumni List (SD001)>

Test Case ID	TC_0019	Test Case Description	Test View Alumni I	_ist			
Created By	Chiam Wooi	Reviewed By	Ng Jing Er Version 2.1				
	Chin						

QA Tester	r's Log									
Tester's N	lame	Ng Jing Er	Date To	ested	Ju	ne 22, 2021		ail/Not	Pass	
S#	Prerequis	sites:			S#	Test Data				
1	Accessor	already logged	on		1	valid alumr	niID			
2					2					
3					3					
4		1			4					
Test Scenario	Verify on v	view alumni list								
Step #	Ste	p Details	Ехр	pected Results	,	 Actual Resu	ılts	Pass /	/ Fail / Not e	
1	Select alu	mni list from	System	display alumni						
	menu		list pag							
2	View alum	nni list	show a	lumni list						

8.19.1 TC019_01: Test <View Alumni List (SD001)>

This test contains the following alternate or exception scenarios:

(a) TC019_01: Test <View Alumni List with no update (SD001)>

Test Case	ID	TC_0019_01	Test C	ase Description	Test '	View Alum	nni List with no	update		
Created B	y	Chiam Wooi	Review	ved By	Ng Ji	ng Er	Version			2.1
		Chin								
QA Tester	r's Log									
Tester's N	lame	Ng Jing Er	Date T	ested	June	22, 2021	Test Case (F	Pass/Fail/Not	Pa	SS
							Executed)			
S#	Prerequisi	ites:			S#	Test Data	a			
1	Accessor a	already logged o	on		1	invalid alumnilD				
2					2					
3					3					

erify on view alumni list			
Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
nenu	list page		
Se	Step Details elect alumni list from enu ew no update message	Step Details Expected Results elect alumni list from System display alumni	Step Details Expected Results Actual Results elect alumni list from System display alumni list page ew no update message show no update

8.20 TC020: Test <Mobile> Subsystem: <View Alumni Profile (UC0011)>

This test contains the following test cases:

(a) TC020: Test <View Alumni Profile (SD002)>

Test Case	e ID	TC_0020	Test Ca	ase Description	Test V	iew Alum	nni Profile					
Created E	Created By Chiam Wooi Chin		Reviewed By		Ng Jin	g Er	Version		2.1			
QA Teste	er's Log											
Tester's I	Name	Ng Jing Er	Date Te	ested	June 2	22, 2021	Test Case Executed)	(Pass/Fail/Not	Pas	ss		
S #	Prerequis	ites:	<u> </u>		S#	Test Da	ata					
1	Accessor already logged on				1	valid alı	umniID					
2					2							
3					3							
4					4							
Test Scenario	•	/iew alumni										
Step#	Step	Details	Ехр	ected Results	A	Actual R	esults	Pass / Fail / N Suspe				
1	Select alui		profile p									
2	View alum	ini profile	show a	umni profile								

8.20.1 TC020_01: Test <View Alumni Profile (SD002)>

This test contains the following alternate or exception scenarios:

(a) TC020_01: Test <View Alumni Profile with no update (SD002)>

Test Case	ID	TC_0020	Test (Case Description	Test \	/iew Alumn	i Profile v	vith no update		
Created B	Created By Chiam Wooi Chin		Revie	ewed By N		ng Er	Version		2.1	
QA Tester	's Log									
Tester's N	ame	Ng Jing Er	Date '	Tested	Jun	e 22, 2021	Test Car	se (Pass/Fail/Not	Pass	
S #	Prerequisi	ites:			S#	Test Data				
1	Accessor already logged on				1	invalid alu	mnilD			
2					2					
3					3					
4		I			4		I			I
Test Scenario	Verify on v	iew alumni								
Step #	Ste	p Details	Ex	pected Results	A	Actual Res	ults	Pass / Fail / No Suspei		uted /
1	Select alur	nni profile from	,	m display alumni page						
2	View no up	odate message	show messa	no update age						

8.21 TC021: Test <Mobile> Subsystem: <View Dashboard (UC0012)>

This test contains the following test cases:

(a) TC021: Test <View Dashboard (SD003)>

Test Case ID	TC_0021	Test Case	Test View Dashboard				
		Description					
Created By	Chiam Wooi	Reviewed By	Ng Jing Er	Version	2.1		
	Chin						

QA Tester	's Log									
Tester's N	lame	Ng Jing Er	Date Te	ested	Jur	ne 22, 2021	Test Case Executed)	(Pass/Fail/Not	Pass	
S#	Prerequisi	tes:			S#	Test Data				
1	Accessor a	Iready logged	on		1	valid dashl	ooardID			
2					2					
3					3					
4			1		4					
Test Scenario	Verify on vie	ew dashboard								
Step#	Step	Details	Expe	ted Results		 Actual Res	ults	Pass / Fail / N Susp	Not ex	
1	Select dash menu	nboard from	System dashboa	display ard page						
2	View dashb	oard info	show da	ashboard info						

8.21.1 TC021_01: Test <View Dashboard (SD003)>

This test contains the following alternate or exception scenarios:

(a) TC021_01: Test <View Dashboard with no update (SD003)>

Test Case	ID	TC_0021_01	Test C	ase Description	Test	t View Dash	board wit	h no update	
Created B	у	Chiam Wooi	Reviewed By		Ng .	Ng Jing Er Version			1.0
		Chin							
QA Tester	's Log								
Tester's N	Tester's Name Ng Jing Er D		Date T	ested	June 22, 2021		Test Cas	se (Pass/Fail/Not	Pass
							Execute	d)	
S#	Prerequisi	tes:			S #	Test Data			
1	Accessor a	Iready logged o	n		1	invalid das	hboardID		
2					2				
3					3				
4					4				

Test	Verify on view dashboard			
<u>Scenario</u>				
Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed /
				Suspended
1	Select dashboard from	System display dashboard		
	menu	page		
2	View no update message	show no update message		

9. Test Approach Analysis

Test Case ID	Step #	Input Data	Valid	Invalid
TC001_01	2	Username and	Valid username and	Invalid username and
		Password	password	password
TC001_02	2	Username and	Valid username and	Invalid username and
		Password	password	password
TC002_01	2	User ID	Valid User ID	Invalid User ID
	3	Account Details	Valid Account Details	Invalid Account
				Details
TC002_01_01	2	User ID	Valid User ID	Invalid User ID
TC003_01	2	User role choice	Valid role choice	Null role choice
	3	User ID	Valid User ID	Invalid User ID
	4	User Info	Valid User Info	Invalid User Info
TC003_01_01	2	User role choice	Valid role choice	Null role choice
	3	User ID	Valid User ID	Invalid User ID
TC004_01	2	User ID	Valid User ID	Invalid User ID
TC005_01	2	NewsID	NewsID with info	NewsID without info
TC006_01	2	EventID	EventID with info	EventID without info
TC007_01	2	CharityID	CharityID with info	CharityID without info
TC008_01	2	ReportID	ReportID with info	ReportID without info
TC009_01	2	FriendID	Valid FriendID	Invalid FriendID
TC009_02	2	FriendID	Valid FriendID	Invalid FriendID
TC010_01	2	FriendID	Valid FriendID	Invalid FriendID
TC011_01	2	FriendID	Valid FriendID	Invalid FriendID
TC012_01	2	FriendID	Valid FriendID	Invalid FriendID
TC013_01	3	password, email,	Valid information	Invalid information
		address		

TC013_02	3	password, email, address	Valid information	Invalid information
TC014_01	2	AlumnilD	Valid alumniID	Invalid alumniID
TC015_01	3	statusText	Valid status text	Invalid status text
TC015_02	3	statusText	Valid status text	Invalid status text
TC016_01	3	statusText	Valid status text	Invalid status text
TC017_01	4	Valid alumniID	Valid alumni ID	Invalid alumni ID
TC017_02	4	Valid alumniID	Valid alumni ID	Invalid alumni ID
TC018_01	2	licenseType and licenseAvailableDate	valid licenseType and licenseAvailableDate	Invalid licenseType and licenseAvailableDate
TC019_01	2	alumniID	Valid alumniID	Invalid alumniID
TC020_01	2	alumniID	Valid alumniID	Invalid alumniID
TC021_01	2	dashboardID	Valid dashboardID	Invalid dashboardID

9.1.1 TC018_01 for license available date (day)

• Suppose the specifications for the day of architecture license available date must be able to handle any number of records from 1 through 31.

Case No.	Equivalence Class	Status	Representative (BVA)	Expected Result
TC018_01	Day < a (1)	Invalid	0	Invalid data
TC018_01	a (1) < = day < = b (31)	Valid	1	Data valid
TC018_01	a (1) < = Day <	Valid	31	Data valid

	= b (31)			
TC018_01	Month > b (31)	Invalid	32	Invalid data

9.1.2 TC018_01 for license available date (month)

 Suppose the specifications for month of architecture license available date must be able to handle any number of records from 1 through 12.

Case No.	Equivalence Class	Status	Representative (BVA)	Expected Result
TC0018_01	Month < a (1)	Invalid	0	Invalid data
TC018_01	a (1) < = month < = b (12)	Valid	1	Data valid
TC018_01	a (1) < = month < = b (12)	Valid	12	Data valid
TC018_01	Month > b (12)	Invalid	13	Invalid data

9.1.3 TC018_01 for license available date (year)

 Suppose the specifications for the year of architecture license expiration date must be able to handle any number of records from 20 through 40.

Case No.	Equivalen ce Class	Status	Represent ative (BVA)	Expected Result
TC018_01	Year < a (20)	Invalid	19	Invalid data
TC018_01	a (20) < = year <= b (40)	Valid	20	Data valid
TC018_01	a (20) < = year <= b (40)	Valid	40	Data valid
TC018_01	Year > b (40)	Invalid	41	Invalid data

Appendix A: Traceability Matrix

Test Case ID	Use Case ID/ Sequence Diagram ID	Package ID
TC001 <user> Subsystem</user>	UC001	P002
· TC001_01	· SD001	
TC002 <user> Subsystem</user>	UC002	P002
· TC002_01	· SD002	
TC003 <user> Subsystem</user>	UC003	P002
· TC003_01	· SD003	
TC004 <user> Subsystem</user>	UC004	P002
· TC004_01	· SD004	
TC005 <mobile> Subsystem</mobile>	UC005	P003
· TC005_01	· SD004	
TC006 <mobile> Subsystem</mobile>	UC006	P003
· TC006_01	· SD005	
TC007 <mobile> Subsystem</mobile>	UC007	P003
· TC007_01	· SD006	
TC008 <mobile> Subsystem</mobile>	UC008	P003
· TC008_01	· SD007	
TC009 <alumni> Subsystem</alumni>	UC0013	P001
· TC009_01	- SD010	
TC010 <alumni> Subsystem</alumni>	UC0014	P001
· TC010_01	- SD007	
TC011 <alumni> Subsystem</alumni>	UC0015	P001
· TC011_01	· SD008	
TC012 <alumni> Subsystem</alumni>	UC0016	P001
· TC012_01	· SD009	
TC013 <alumni> Subsystem</alumni>	UC0017	P001
· TC013_01	- SD002	
TC014 <alumni> Subsystem</alumni>	UC0018	P001
· TC014_01	· SD003	
TC015 <alumni> Subsystem</alumni>	UC0019	P001
· TC015_01	· SD005	
TC016 <alumni> Subsystem</alumni>	UC0020	P001
· TC016_01	· SD004	
TC017 <alumni> Subsystem</alumni>	UC0021	P001

· TC017_01	· SD006	
TC018 <alumni> Subsystem</alumni>	UC0009	P001
• TC018_01	· SD001	. 55
TC019 <mobile> Subsystem</mobile>	UC0010	P003
· TC019_01	· SD001	
TC020 <mobile> Subsystem</mobile>	UC0011	P003
· TC020_01	· SD002	
TC0021 <mobile> Subsystem</mobile>	UC0012	P003
· TC021_01	· SD003	