Blackbox Testing

Equivalence Class & Boundary Value Testing

Use Case 1: Log-in Account

Equivalence Class for Email Address:

Valid EC	Existing Email Address
Invalid EC	Invalid / non-existing Email Address / Empty field

Equivalence Class for Password:

Valid EC	Correct Password
Invalid EC	Wrong Password / Empty field

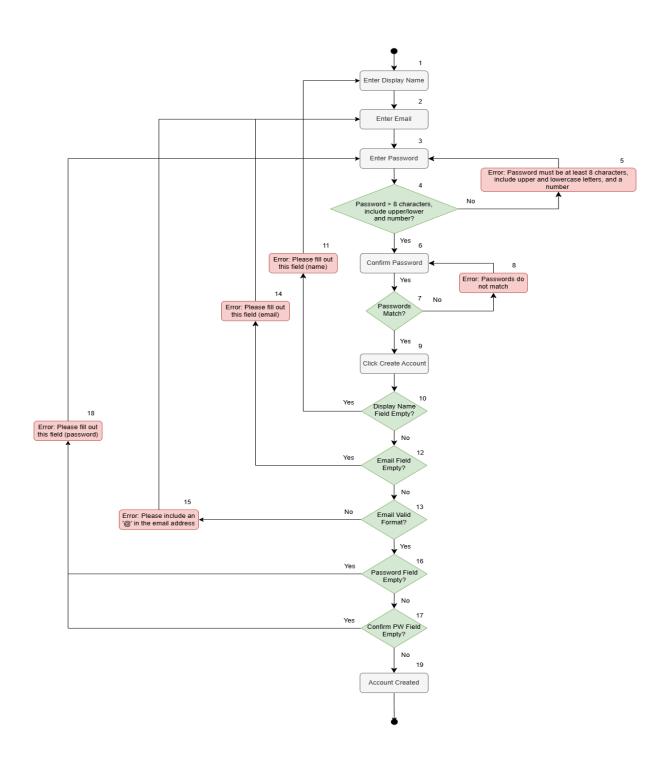
Test	Case 1	Invalid (Credential			
Test	Scenario	Log-in A	Account		Test Case ID	Login-1
Test		Login w	vith invalid credentials. Assume		Test Priority	Medium
Desc	cription	valid cr	edentials with e	email		
		"test@t	est.com" and p	password		
		"P@ssw0rd!"				
Pre-r	requisite	Stable I	nternet Conne	ction	Post-requisite	NA
No.	Email		Password	Expected Output	Actual Output	Test
						Result
1	test (inva	lid	P@ssw0rd!	Error message:	Error message:	Pass
	email add	lress)		Please include	Please include an	
				an '@' in the	'@' in the email	
				email address	address	
2	invalid@t	est.co	P@ssw0rd!	Error message:	Error message:	Pass
	m(non-ex	isting		Invalid email or	Invalid email or	
	email add	dress)		password	password	
3	Empty fie	ld	P@ssw0rd!	Error message:	Error message:	Pass
				Please fill out	Please fill out this	
				this field	field	
4	test@test	t.com	InvalidPW	Error message:	Error message:	Pass
			(wrong	Invalid email or	Invalid email or	
			password)	password	password	
5	test@test	t.com	Empty field	Error message:	Error message:	Pass
				Please fill out	Please fill out this	
				this field	field	

Test	Case 2	Success	Successful Login						
Test	Scenario	Log-in A	ccount		Test Case ID	Login-2			
Test	Test Login with valid credentials. Assume			Test Priority	Medium				
Description valid cr		edentials with e	mail						
	"test@test.com" and password								
	"P@ssw0rd!"								
Pre-r	equisite	Stable Internet Connection			Post-requisite	NA			
No.	Email		Password	Expected Output	Actual Output	Test			
						Result			
1	test@test.com		P@ssw0rd!	Redirected to	Redirected to	Pass			
				dashboard	dashboard				

Whitebox Testing

Control Flow Testing

Use case 1: Register Account



No.	Basis Path	Description
1	1>2>3>4>5	Invalid Password format
2	1>2>3>4>6>7>8	Passwords do not match
3	1>2>3>4>6>7>9>10>11	Empty Display Name field
4	1>2>3>4>6>7>9>10>12>14	Empty Email field
5	1>2>3>4>6>7>9>10>12>13>15	Invalid Email format
6	1>2>3>4>6>7>9>10>12>13>16>18	Empty Password field
7	1>2>3>4>6>7>9>10>12>13>16>17>18	Empty Confirm Password field
8	1>2>3>4>6>7>9>10>12>13>16>17>19	Successful Registration

Test	Case 1	Invalid Passwo	ord format					
Test	Scenario	Register Acco	unt		Test Case ID F		Register-1	
Test Path 1>2>3>4>5					Test Priority	Me	dium	
Pre-requisite		Stable Interne	t Connection		Post-requisite	NA	1	
No.	Action	Inputs	Expected Output	Α	Actual Output		Test	
							Result	
1	Enter	Valid	Error: Password must	Е	rror: Password mu	ıst	Pass	
	invalid	Display	be at least 8	b	e at least 8			
	password	Name and	characters, include	С	haracters, include	!		
		Email	upper and lowercase	u	upper and lowercase			
			letters, and a number	le	letters, and a number			

Test	Case 2	Passwo	rds do not match						
Test	Test Scenario Registe		r Account	r Account		Test Case ID		Register-2	
Test Path 1>2>3>			4>6>7>8			Priority	Me	dium	
Pre-r	Pre-requisite Stable I		nternet Connection		Post	r-requisite	NA		
No.	Action	Action Inputs Expect		Expected Ou	tput	Actual Outp	Actual Output		
								Result	
1	Different		Valid Display	Error: Passwords		Error:		Pass	
	password in		Name, Email and	do not match		Passwords	do		
	Confirm		Password			not match			
	Password	d field							

Test	Case 3	Empty D	Display Name fie	eld					
Test	Test Scenario Registe		r Account			Test Case ID		Register-3	
Test Path 1>2>3>			4>6>7>9>10>11			Test Priority		dium	
Pre-r	Pre-requisite Stable		nternet Connec	tion	P	ost-requisite	NA		
No.	Action		Inputs	Expected Outpu	t	Actual Output		Test	
								Result	
1	Leave Dis	play	Valid Email,	Error: Please fill		Error: Please fi	ll	Pass	
	Name field blank		Password	out this field		out this field			
	and click	Create	and Confirm						
	Account		Password						

Test	Case 4	Empty E	mail field					
Test	Scenario	Registe	r Account	Account			Register-4	
Test Path 1>2>3>			4>6>7>9>10>12	2>14	Te	est Priority	Medium	
Pre-r	Pre-requisite Stable		nternet Connec	tion	P	ost-requisite	NA	
No.	Action		Inputs	Expected Outpu	t	Actual Output		Test
								Result
1	Leave Em	ail field	Valid Display	Error: Please fill		Error: Please fi		Pass
	blank and	l click	Name,	out this field		out this field		
	Create Ac	count	Password					
			and Confirm					
			Password					

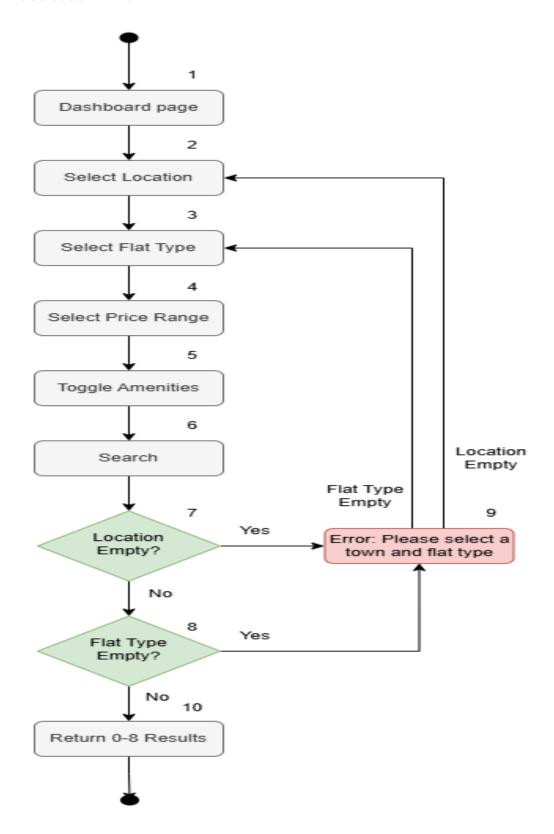
Test	Case 5	Invalid E	Email format					
Test	Scenario	Registe	r Account	Account			Register-5	
Test Path 1>2>3>			4>6>7>9>10>12	!>13>15	Test Priority		Me	dium
Pre-r	Pre-requisite Stable		nternet Connec	tion	Р	ost-requisite	NA	
No.	Action		Inputs	Expected Output		Actual Output		Test
								Result
1	Input an i	nvalid	Valid Display	Error: Please		Error: Please		Pass
	email and	d click	Name,	include an '@' in	le an '@' in 📗 include an '@		in	
	Create Account		Password	the email address		the email		
			and Confirm			address		
			Password					

Test	Case 6	Empty Pa	assword field						
Test	Scenario	Register	Account		Test 0	Case ID	Re	Register-6	
Test	Path	1>2>3>4	>6>7>9>10>12>13>16>	>18	Test Priority		Me	dium	
Pre-r	equisite	Stable In	ternet Connection		Post-	requisite	NA		
No.	Action		Inputs	Expecte	d	Actual	•	Test	
				Output		Output		Result	
1	Leave Pas	ssword	Valid Display Name	Error: Please		Error: Plea	se	Pass	
	field AND	Confirm	and Email (Confirm	fill out t	his	fill out this			
	Password field		password field must	field		field			
	empty and click		be empty or test						
	Create Ad	count	case 2 will trigger)						

Test	Case 7	Empty Co	onfirm Password field					
Test	Scenario	Register	Account			Case ID	Register-7	
Test	Path	1>2>3>4	>6>7>9>10>12>13>16>	Test Priority		Medium		
Pre-r	equisite	Stable In	ternet Connection		Post-	requisite	NA	
No.	Action		Inputs	Expected		Actual		Test
				Output		Output		Result
1	Leave Co	nfirm	Valid Display Name,	Error: P	lease	Error: Plea	se	Pass
	Password	d field	Email and Password	fill out this		fill out this		
	empty and click			field		field		
	Create Ad	count						

Test Case 8		Successful Registration							
Test Scenario		Register Account			Test Case ID		Register-8		
Test Path		1>2>3>4>6>7>9>10>12>13>16>17>18			Test Priority		High		
Pre-requisite		Stable Internet Connection			Post-requisite		NA		
No.	Action		Inputs	Expected		Actual		Test	
				Output	Output			Result	
1	All valid fields and		Valid Display Name,	Create C		Create		Pass	
	click Create		Email, Password	account,		account,			
	Account		and Confirm	redirect to		redirect to			
			Password	verify email		verify email			

Use case 2: Find HDB



No.	Basis Path	Description
1	1>2>3>4>5>6>7>9	Empty Location field
2	1>2>3>4>5>6>7>8>9	Empty Flat Type field
3	1>2>3>4>5>6>7>8>9>10	Successful Search

Test Case 1 Empty Lo		Empty Lo	cation field					
Test Scenario		Find HDB			Test Case ID		Find-1	
Test Path		1>2>3>4>5>6>7>9			Test Priority		Medium	
Pre-requisite		Stable Internet Connection		Post-requisite		NA		
	Be insid		dashboard page	ashboard page				
No.	Action		Inputs	Expected		Actual		Test
				Output		Output		Result
1	Leave Location		Valid Flat Type, Price	Error: Please		Error: Please		Pass
	field blank and		Range and no	select a town sele		select a to	select a town	
	click Search		amenities selected	and flat type		and flat type		
2	Leave Location		Valid Location, Price	Error: Please		Error: Please		Pass
	field blank and		Range and all	select a town		select a towr		
	click Search		amenities selected	and flat type		and flat type		

Test	Case 2	Empty Fl	at Type field					
Test Scenario		Find HDB			Test Case ID		Find-2	
Test Path		1>2>3>4>5>6>7>8>9			Test Priority		Medium	
Pre-requisite		Stable Internet Connection			Post-requisite		NA	
Be inside		Be inside	e dashboard page					
No.	Action		Inputs	Expected		Actual		Test
				Output		Output		Result
1	Leave Fla	t Type	Valid Location, Price	Error: Please		Error: Please		Pass
	field blank and		Range and no	select a town sele		select a town		
	click Search		amenities selected	and flat type		and flat type		
2	Leave Flat Type		Valid Location, Price	Error: Please		Error: Please		Pas
	field blank and		Range and all	select a town		select a town		
	click Search		amenities selected	and flat type		and flat type		

Test Case 3		Successful Search							
Test Scenario		Find HDB	Test Case ID		Find-3				
Test Path		1>2>3>4>5>6	Test Priority		High				
Pre-requisite		Stable Internet Connection			Post-requisite		NA		
		Be inside dashboard page							
No.	Action		Inputs	Expected		Actual		Test	
				Output		Output		Result	
1	All valid fields and		Valid Location,	Returns up to 8		Returns 8		Pass	
	click Search (ANG MO		Flat Type, Price	results of		results			
	KIO, 4 ROOM, 350k –		Range and no	cheapest HDBs					
	700k)		amenities	meeting all					
			selected	criteria					
2	All valid fields and		Valid Location,	Returns up to 8		Returns no		Pass	
	click Search (ANG MO		Flat Type, Price	results of		results			
	KIO, 4 ROOM, 350k –		Range and all	cheapest HDBs		(filters too			
	700k)		amenities	meeting all		strict)			
			selected	criteria					