

Black box testing

Equivalence Class & Boundary Value Testing

Scenario 1: Account Sign Up

Equivalence Class for Email:

Valid EC	Valid Email address
Invalid EC	Empty field or invalid Email address

Equivalence Class for Password:

Valid EC	Strong password that meets requirement
Invalid EC	Empty field or password does not meet requirement

Test Case 1	Invalid account sign up		
Test Scenario	Account sign up	Test Case ID	T-SU-1
Test Description	Sign up with invalid credentials	Test Priority	High
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Email	Password	Expected Output	Actual Output	Test Result
1	[empty]	abc	Sign up failed: Unable to validate email address:	Sign up failed: Unable to validate email address:	Pass

			invalid format	invalid format	
2	example@g mail.com	[empty]	Sign up failed: Signup requires a valid password	Sign up failed: Signup requires a valid password	Pass
3	a@gmail.co m	abc	Sign up failed: Email address "a@gmail.c om" is invalid	Sign up failed: Email address "a@gmail.c om" is invalid	Pass
4	a@gmail.co m	Password12 34!	Sign up failed: Email address "a@gmail.c om" is invalid	Sign up failed: Email address "a@gmail.c om" is invalid	Pass
5	chuaqindi02 @gmail.com	abc	Sign up failed: Password should be at least 6 characters.	Sign up failed: Password should be at least 6 characters.	Pass

Test Case 2	Sign up successful		
Test Scenario	Account sign up	Test Case ID	T-SU-2
Test Description	Sign up invalid credentials	Test Priority	High
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Email	Password	Expected Output	Actual Output	Test Result
1	Any valid email. Eg. chuaqindi02@gmail.com	Password1234!	Check your email to confirm sign up!	Check your email to confirm sign up!	Pass

Scenario 2: Account Login

Equivalence Class for Email:

Valid EC	Existing Email address in database
Invalid EC	Empty field or Email address does not exist in database

Equivalence Class for Password:

Valid EC	Correct password associated with email
Invalid EC	Empty field or incorrect password

Test Case 1	Invalid Login		
Test Scenario	Account Login	Test Case ID	T-LO-1
Test Description	Login with invalid credentials	Test Priority	High
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Email	Password	Expected Output	Actual Output	Test Result
1	[empty]	abc	Login failed: missing email or phone	Login failed: missing email or phone	Pass
2	chuaqindi02@gmail.com	[empty]	Login failed: Invalid login credentials	Login failed: Invalid login credentials	Pass
3	a@gmail.com	abc	Login failed: Invalid login credentials	Login failed: Invalid login credentials	Pass
4	a@gmail.com	Password1234!	Login failed: Invalid login credentials	Login failed: Invalid login credentials	Pass
5	chuaqindi02@gmail.com	abc	Login failed: Invalid login credentials	Login failed: Invalid login credentials	Pass
6	chuaqindi02@gmail.com	IncorrectPassword1234!@	Login failed: Invalid login credentials	Login failed: Invalid login credentials	Pass

Test Case 2	Login Successful		
Test Scenario	Account Login	Test Case ID	T-LO-2
Test Description	Login with valid credentials	Test Priority	High
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Email	Password	Expected Output	Actual Output	Test Result
1	Any existing email. eg. chuaqindi02@gmail.com	Password1234! (assuming correct password)	Login successful	Login successful	Pass

Scenario 3: Add Task

Equivalence Class for Task:

Valid EC	Non-empty field
Invalid EC	Empty field

Test Case 1	Invalid Task		
Test Scenario	Add Task	Test Case ID	T-TA-1
Test Description	Add invalid task	Test Priority	Medium
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Task input	Expected Output	Actual Output	Test Result
1	[empty]	Failed: No Input	Failed: No Input	Pass

Scenario 4: Add Friend

Equivalence Class for Friend's email:

Valid EC	Existing and verified email in database
Invalid EC	Email does not exist in database or email not verified

Test Case 1	Invalid Friend's Email		
Test Scenario	Add Friend	Test Case ID	T-FR-1
Test Description	Add invalid Friend email	Test Priority	Medium
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Friend email input	Expected Output	Actual Output	Test Result
1	[empty]	Failed: empty input	Failed: empty input	Pass

Test Case 2	Invalid Friend's Email		
Test Scenario	Add Friend	Test Case ID	T-FR-2
Test Description	Add invalid Friend email	Test Priority	Medium
Prerequisite	Stable Internet Connection	Post-Requisite	N/A

No.	Friend email input	Expected Output	Actual Output	Test Result
1	abc@gmail.com	User not found!	User not found!	Pass