White Box Testing

Sign up

Test Case Scenario	Register 1	**Test Case ID**	Registration 1A
Test Case Description	Registration - Positive Test Case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection	**Post-Requisite**	NA

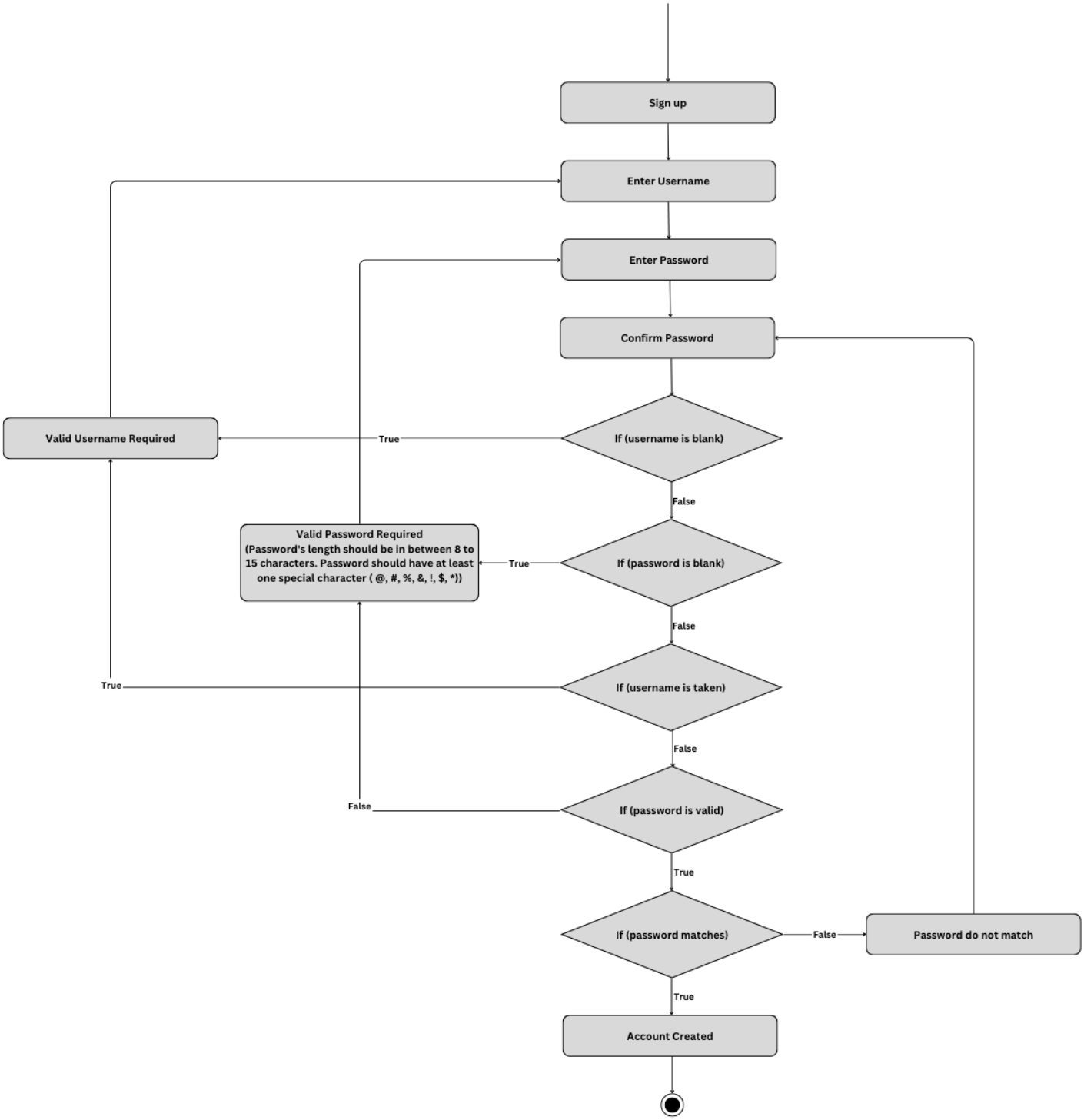
Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Launch Application	-	Login Page	Login Page	Android Emulator	Pass	[Melvin 6/11/2023 1.02PM]: Launch Successfully
2	Click Sign-up	-	Sign-Up Page	Sign-Up Page	Android Emulator	Pass	[Melvin 6/11/2023 1.02PM]: Load Successfully
3	Sign-up with valid credentials	Valid Username not taken Valid Password Password have: 1. 8-15 characters 2. At least one special character 3. Mixed Case	Login Page	Login Page	Android Emulator	Pass	[Melvin 6/11/2023 1.02PM]: Load Successfully

Test Case Scenario	Register 2	**Test Case ID**	Register 2A
Test Case Description	Registration - Positive Test Case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Launch Application	-	Login Page	Login Page	Android Emulator	Pass	Melvin 6/11/2023 1.14PM]: Launch Successfully
2	Click Sign-up	-	Sign-Up Page	Sign-Up Page	Android Emulator	Pass	Melvin 6/11/2023 1.15PM]: Load Successfully
3	Enter invalid username	Username has been taken	Username already taken. Please try again.	Username already taken. Please try again.	Android Emulator	Pass	Melvin 6/11/2023 1.15PM]: Invalid Username blocked
4	Enter invalid password	Password does not have: 4. 8-15 characters 5. At least one special character 6. Mixed Case	Invalid Password	Invalid Password	Android Emulator	Pass	Melvin 6/11/2023 1.15PM]: Invalid Password blocked
5	Enter 2 different passwords	Enter a password that does not match in “Confirm Password”	Passwords do not match	Passwords do not match	Android Emulator	Pass	Melvin 6/11/2023 1.16PM]: Password Mismatch Blocked


Sign up
Enter Username
Enter Password
Confirm Password
If (username is blank)
True
Valid Username Required
False
If (password is blank)
True
Valid Password Required
(Password's length should be in between 8 to 15 characters. Password should have at least one special character (@, #, %, &, !, $, *))
False
If (username is taken)
True
False
If (password is valid)
False
True
If (password matches)
False
Password do not match
True
Account Created

Login

Test Case Scenario	Login 1	**Test Case ID**	Login 1A
Test Case Description	Login - Positive Test Case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection	**Post-Requisite**	NA

Test Execution Steps:

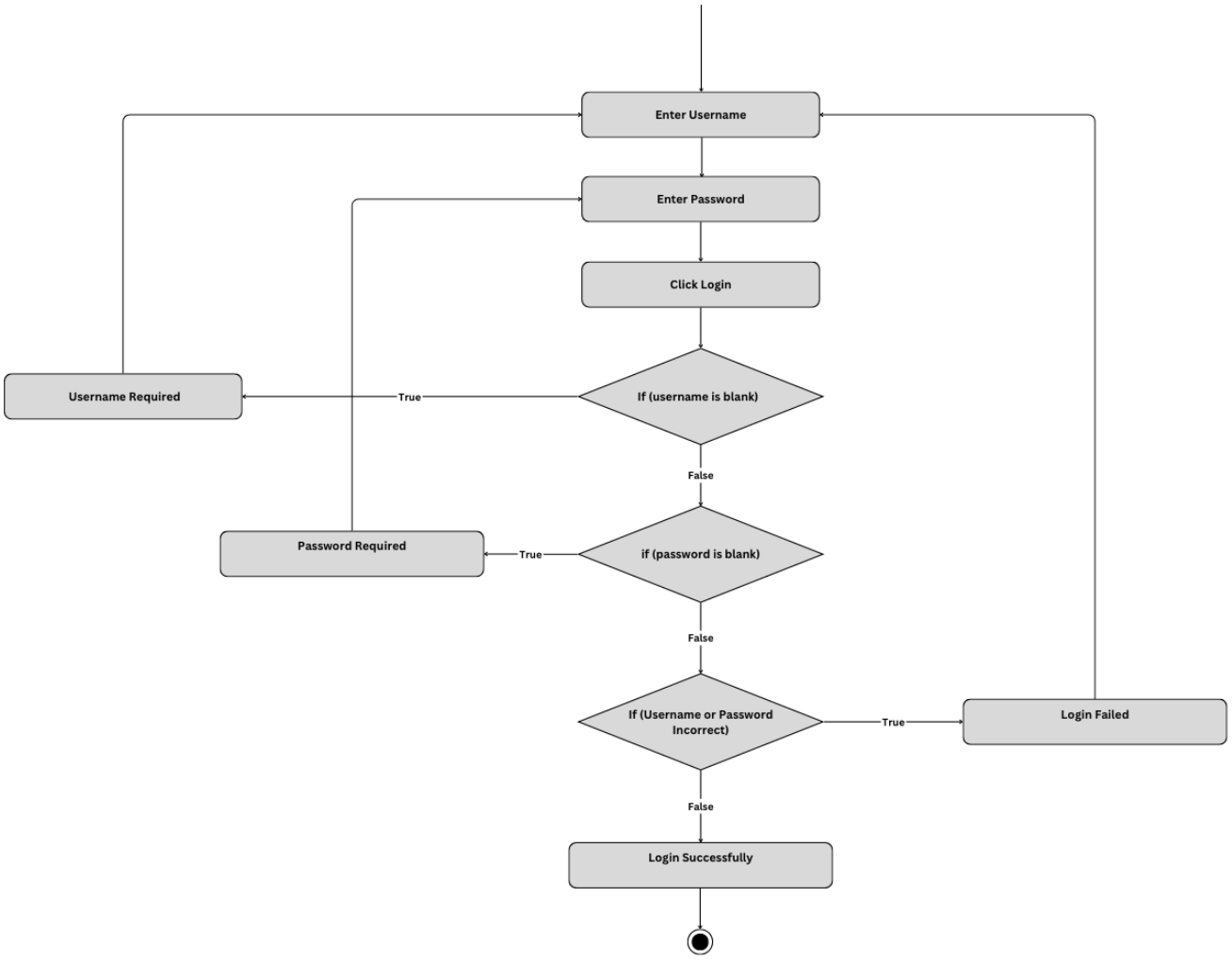
S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Launch Application	-	Login Page	Login Page	Android Emulator	Pass	Melvin 6/11/2023 1.25PM]: Launch Successfully
2	Enter Valid Username and Password	Valid Username and Password	Home Page	Home Page	Android Emulator	Pass	Melvin 6/11/2023 1.25PM]: Load Successfully

Test Case Scenario	Login 2	**Test Case ID**	Login 2A
Test Case Description	Login - Negative Test Case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Launch Application	-	Login Page	Login Page	Android Emulator	Pass	Melvin 6/11/2023 1.27PM]: Launch Successfully
2	Click Login	Did not enter any username or password	Login Failed Authentication failed. Please check your username and password	Login Failed Authentication failed. Please check your username and password	Android Emulator	Pass	Melvin 6/11/2023 1.27PM]: Load Successfully
3	Enter	Username:	Login Failed	Login Failed	Android	Pass	Melvin

	invalid username and password	hello Password: hello	Authentication failed. Please check your username and password	Authentication failed. Please check your username and password	Emulator		6/11/2023 1.27PM]: Invalid login attempt blocked
4	Enter valid username and wrong password	Username: adrian Password: aaaaaa	Login Failed Authentication failed. Please check your username and password	Login Failed Authentication failed. Please check your username and password	Android Emulator	Pass	Melvin 6/11/2023 1.27PM]: Invalid login attempt blocked



Home Page & Search Page

Test Case Scenario	HomepageSearchPage - 1	**Test Case ID**	HomepageSearchPage - 1A
Test Case Description	HomepageSearchPage - Home page positive test case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection and logged in	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click Current Location button	Enable app to access device's location while using the app or only that time	Homepage Maps centralizes on current location with all the nearby markers of pending (orange) and confirmed (green) charging ports visible	Homepage Maps centralizes on current location with all the nearby markers of pending (orange) and confirmed (green) charging ports visible	Android Emulator	Pass	Melvin 6/11/2023 2.01PM]: Map and Markers Displayed Successfully
2	Click an orange marker	Swipe up the sliding description box	Homepage with slide up panel with location details and description of selected marker Vote option available	Homepage with slide up panel with location details and description of selected marker Vote option available	Android Emulator	Pass	Melvin 6/11/2023 2.02PM]: Location details displayed Successfully
3	Up Vote	Click upvote	Thumbs up turns green and upvote increase count by 1	Thumbs up turns green and upvote increase count by 1	Android Emulator	Pass	Melvin 6/11/2023 2.02PM]: Upvoted Successfully
4	Down Vote	Click downvote	Thumbs down turns red and downvote	Thumbs down turns red and downvote	Android Emulator	Pass	Melvin 6/11/2023 2.02PM]: Downvoted

			increase count by 1	increase count by 1			Successfully
5	Click a green marker	Swipe up the sliding description box	Homepage with slide up panel with location details and description of selected marker	Homepage with slide up panel with location details and description of selected marker	Android Emulator	Pass	Melvin 6/11/2023 2.03PM]: Location details displayed Successfully
6	Click on Damage Report button	Click on view Damage Report	Pop up description of damage report details	Pop up description of damage report details	Android Emulator	Pass	Melvin 6/11/2023 2.03PM]: Damage report details displayed Successfully

Test Case Scenario	HomepageSearchPage - 1	**Test Case ID**	HomepageSearchPage - 1B
Test Case Description	HomepageSearchPage - Home page negative test case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection and logged in	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click Current Location button	Do not enable app to access device's location while using the app or only that time	Homepage Maps centralizes on default initial position of NTU with all the nearby markers of pending (orange) and confirmed (green) charging ports visible	Homepage Maps centralizes on default initial position of NTU with all the nearby markers of pending (orange) and confirmed (green) charging ports visible	Android Emulator	Pass	Melvin 6/11/2023 2.04PM]: Location centralized and map displayed Succesfully

Test Case Scenario	HomepageSearchPage - 1	**Test Case ID**	HomepageSearchPage - 2A
Test Case Description	HomepageSearchPage - Search page Positive test case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection and logged in	**Post-Requisite**	NA

Test Execution Steps:

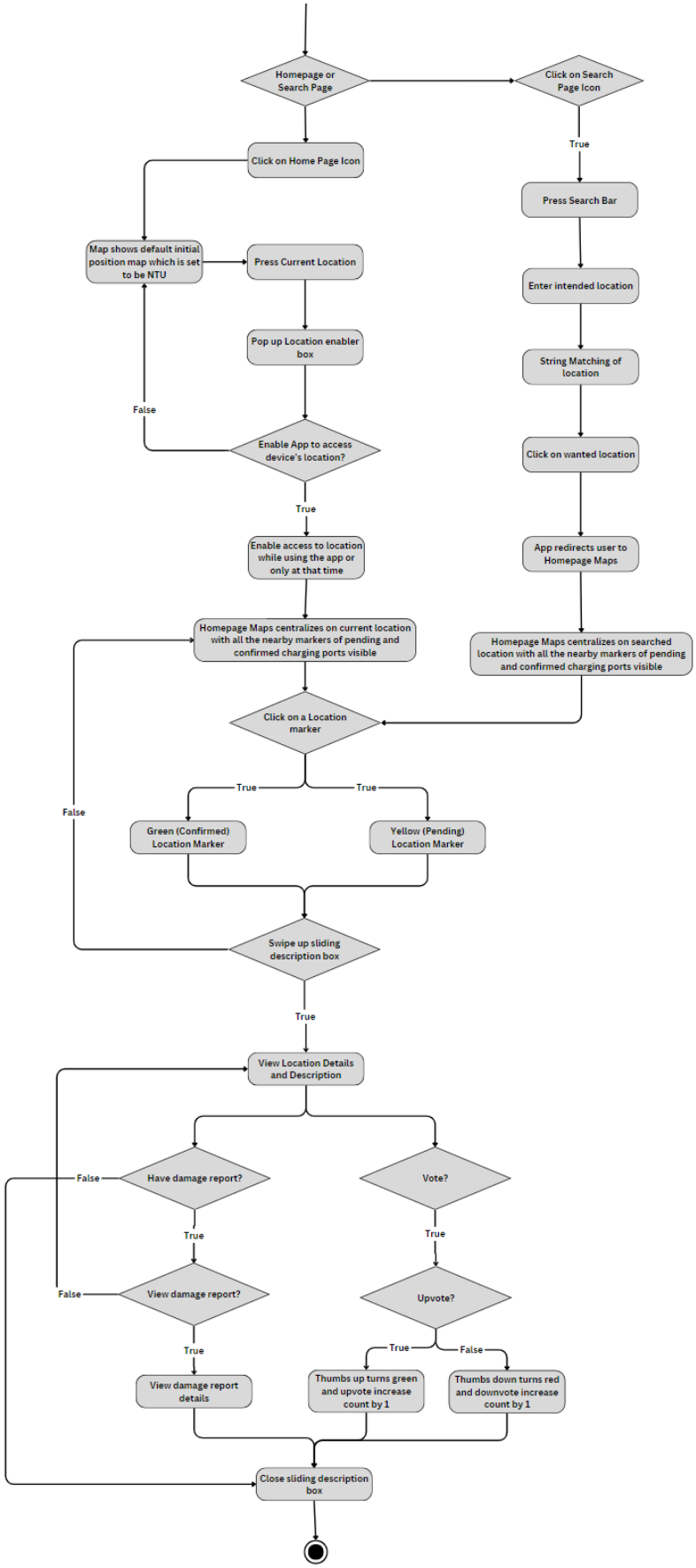
S. No	Actions	Inputs	Expected Output	Actual Output	Test Device	Test Results	Test Comments
1	Search another location	Any location	Search page with options based on searched location	Search page with options based on searched location	Android Emulator	Pass	Melvin 6/11/2023 2.04PM]: Search page with options corresponding to searched location shown successfully
2	Click on searched location	nil	Redirect to Homepage Maps centralizes on searched location with all the nearby markers of pending and confirmed charging ports visible	Redirect to Homepage Maps centralizes on searched location with all the nearby markers of pending and confirmed charging ports visible	Android Emulator	Pass	Melvin 6/11/2023 2.05PM]: Maps and markers shown successfully

Test Case Scenario	HomepageSearchPage - 1	**Test Case ID**	HomepageSearchPage - 2B
Test Case Description	HomepageSearchPage - Search page Negative test case	**Test Priority**	High
Pre-Requisite	Stable Internet Connection and logged in	**Post-Requisite**	NA

Test Execution Steps:

S. No	Actions	Inputs	Expected Output	Actual Output	Test Device	Test Results	Test Comments
1	Search another location	Location that is not registered in	Search page with no options	Search page with no options	Android Emulator	Pass	Melvin 6/11/2023 2.06PM]: No options shown on

		Google Maps					search page successfully


Homepage or Search Page
Click on Search Page Icon
True
Click on Home Page Icon
Press Search Bar
Map shows default initial position map which is set to be NTU
Press Current Location
Enter intended location
Pop up Location enabler box
String Matching of location
False
Enable App to access device's location?
Click on wanted location
True
Enable access to location while using the app or only at that time
App redirects user to Homepage Maps
Homepage Maps centralizes on current location with all the nearby markers of pending and confirmed charging ports visible
Homepage Maps centralizes on searched location with all the nearby markers of pending and confirmed charging ports visible
Click on a Location marker
True
True
False
Green (Confirmed) Location Marker
Yellow (Pending) Location Marker
Swipe up sliding description box
True
View Location Details and Description
Have damage report?
Vote?
False
True
True
View damage report?
Upvote?
False
True
True
False
View damage report details
Thumbs up turns green and upvote increase count by 1
Thumbs down turns red and downvote increase count by 1
Close sliding description box

Activities Page: Discover a new charging location

Test Case Scenario	Discover new charging location	**Test Case ID**	Discover new charging location 1A
Test Case Description	Discover new charging location - Positive Test Case	**Test Priority**	High
Pre-Requisite	Stable Network Undiscovered charging location	**Post-Requisite**	NA

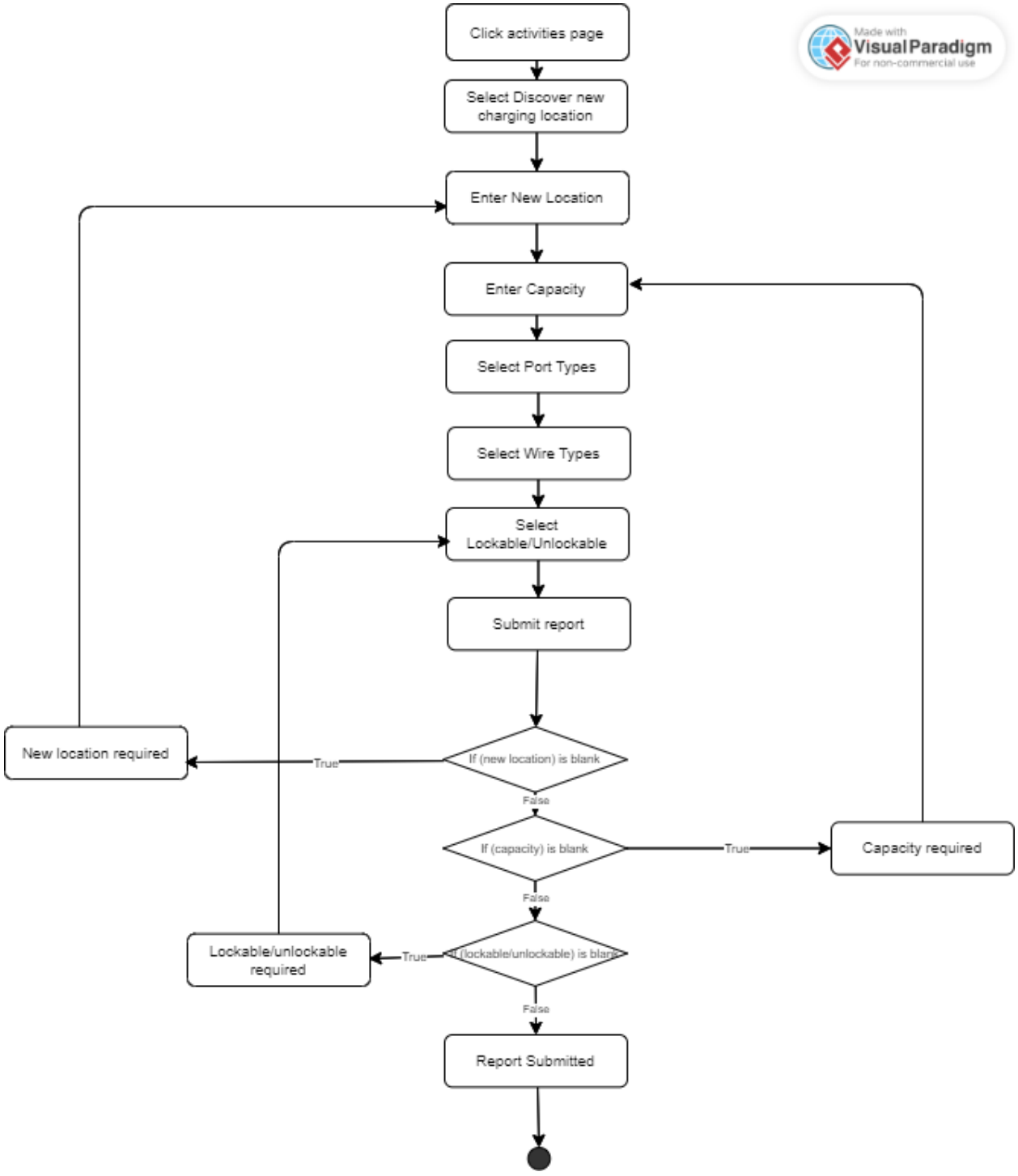
Test Execution Steps:

S. No	Actions	Inputs	Expected Output	Actual Output	Test Device	Test Results	Test Comments
1	Click Activities Page	-	Display activities page	Display activities page	Android Emulator	Pass	[Melvin 6/11/2023 3:02PM] : Load successful
2	Select Discover new charging location	-	Discover new location form displayed	Discover new location form displayed	Android Emulator	Pass	[Melvin 6/11/2023 3:03PM] : Load successful
3	Enter valid form details	- All details filled -Valid details	Your submission has been received	Your submissio n has been received	Android Emulator	Pass	[Melvin 6/11/2023 3:04PM] : Location added successfully

Test Case Scenario	Discover new charging location	**Test Case ID**	Discover new charging location 2A
Test Case Description	Discover new charging location - Negative Test Case	**Test Priority**	High
Pre-Requisite	Stable Network Undiscovered charging location	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click Activities Page	-	Display activities page	Display activities page	Android Emulator	Pass	[Melvin 6/11/2023 3:12PM] : Load successful
2	Select Discover new charging location	-	Discover new location form displayed	Discover new location form displayed	Android Emulator	Pass	[Melvin 6/11/2023 3:13PM] : Load successful
3	Enter invalid location, everything else valid	Enter a number for location	Location provided is invalid	Location provided is invalid	Android Emulator	Pass	[Melvin 6/11/2023 3:14PM] : Invalid location blocked
4	Enter invalid capacity, everything else valid	Enter a string for capacity	Capacity provided is invalid	Capacity provided is invalid	Android Emulator	Pass	[Melvin 6/11/2023 3:15PM] : Invalid capacity blocked
5	Select Invalid lockable/ unlockable, everything else valid	Do not select any option for lockable/ unlockable	Lockable/ unlockable required	Lockable/ unlockable required	Android Emulator	Pass	[Melvin 6/11/2023 3:16PM] : Invalid lockable/unlockable blocked


Click activities page
Select Discover new charging location
Enter New Location
Enter Capacity
Select Port Types
Select Wire Types
Select Lockable/Unlockable
Submit report
If (new location) is blank
True
New location required
False
If (capacity) is blank
True
Capacity required
False
If (lockable/unlockable) is blank
True
Lockable/unlockable required
False
Report Submitted

Avitivites Page: Submit Report

Test Case Scenario	Submit Report	**Test Case ID**	Submit Report 1A
Test Case Description	Submit report - Positive Test Case	**Test Priority**	High
Pre-Requisite	Stable Network	**Post-Requisite**	NA

Test Execution Steps:

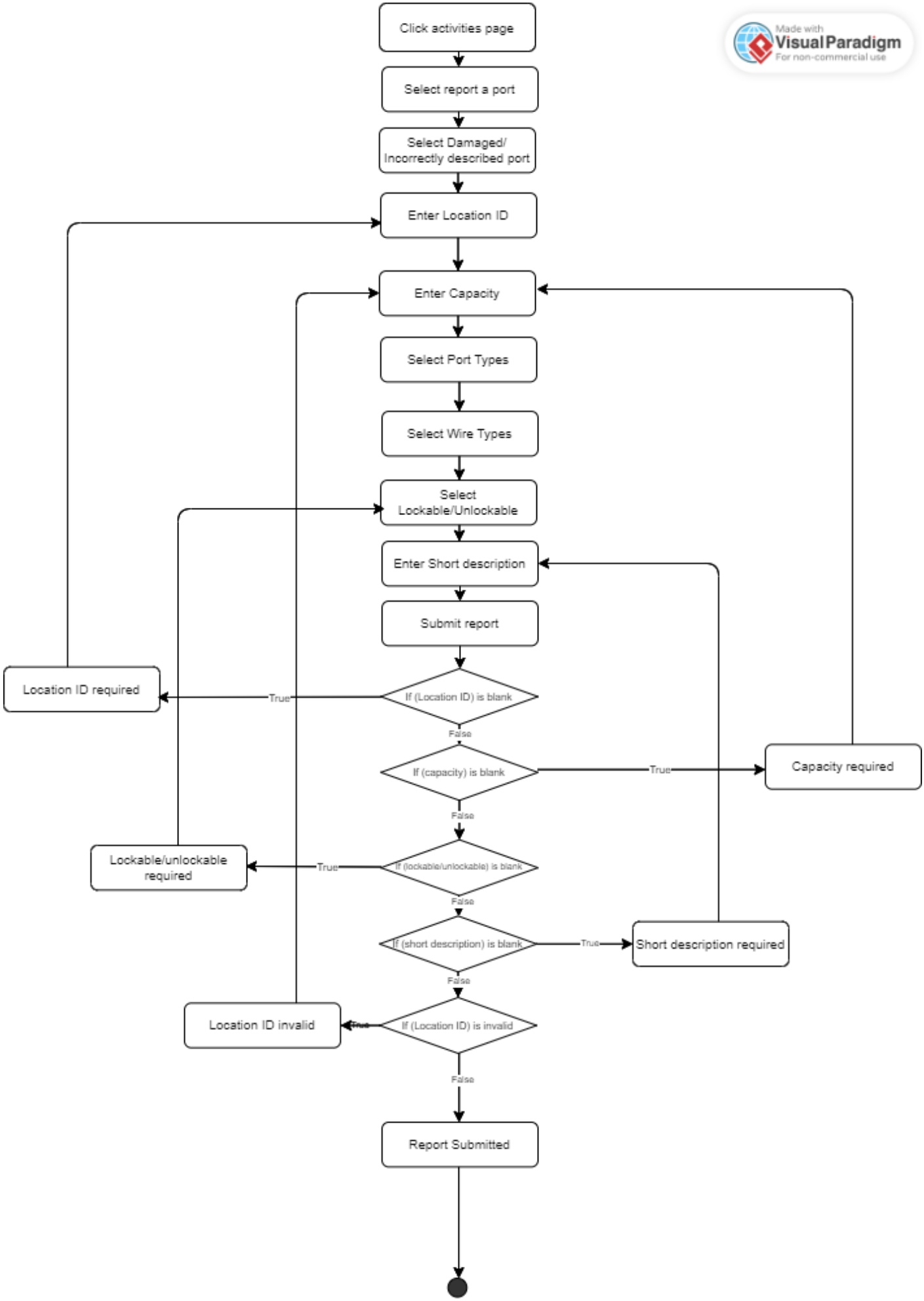
S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click Activities Page	-	Display activities page	Display activities page	Android Emulator	Pass	[Melvin 6/11/2023 3:22PM] : Load successful
2	Select Report a port	-	Report form displayed	Report form displayed	Android Emulator	Pass	[Melvin 6/11/2023 3:23PM] : Load successful
3	Enter valid form details	- All details filled -Valid details	Your submission has been received	Your submissio n has been received	Android Emulator	Pass	[Melvin 6/11/2023 3:24PM] : Report added successfully

Test Case Scenario	Submit report	**Test Case ID**	Submit report 2A
Test Case Description	Submit report - Negative Test Case	**Test Priority**	High
Pre-Requisite	Stable Network	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click Activities Page	-	Display activities page	Display activities page	Android Emulator	Pass	[Melvin 6/11/2023 3:32PM] : Load successful
2	Select Discover	-	Discover new	Discover new	Android Emulator	Pass	[Melvin 6/11/2023

	new charging location		location form	location form			3:33PM] : Load successful
3	Enter invalid location ID, everything else valid	Enter a string for location ID	Location ID provided is invalid	Location ID provided is invalid	Android Emulator	Pass	[Melvin 6/11/2023 3:34PM] : Invalid locationID blocked
4	Enter invalid capacity, everything else valid	Enter a string for capacity	Capacity provided is invalid	Capacity provided is invalid	Android Emulator	Pass	[Melvin 6/11/2023 3:35PM] : Invalid capacity blocked
5	Select Invalid lockable/ unlockable, everything else valid	Do not select any option for lockable/ unlockable	Lockable/ unlockable required	Lockable/ unlockable required	Android Emulator	Pass	[Melvin 6/11/2023 3:36PM] : Invalid lockable/unlockable blocked
6	Provide invalid description, everything else valid	Do not write anything for short description	Short description required	Short description required	Android Emulator	Pass	[Melvin 6/11/2023 3:37PM] : Invalid description blocked


Click activities page
Select report a port
Select Damaged/ Incorrectly described port
Enter Location ID
Enter Capacity
Select Port Types
Select Wire Types
Select Lockable/Unlockable
Enter Short description
Submit report
If (Location ID) is blank
True
Location ID required
False
If (capacity) is blank
True
Capacity required
False
If (lockable/unlockable) is blank
True
Lockable/unlockable required
False
If (short description) is blank
True
Short description required
False
If (Location ID) is invalid
True
Location ID invalid
False
Report Submitted

Rewards Page

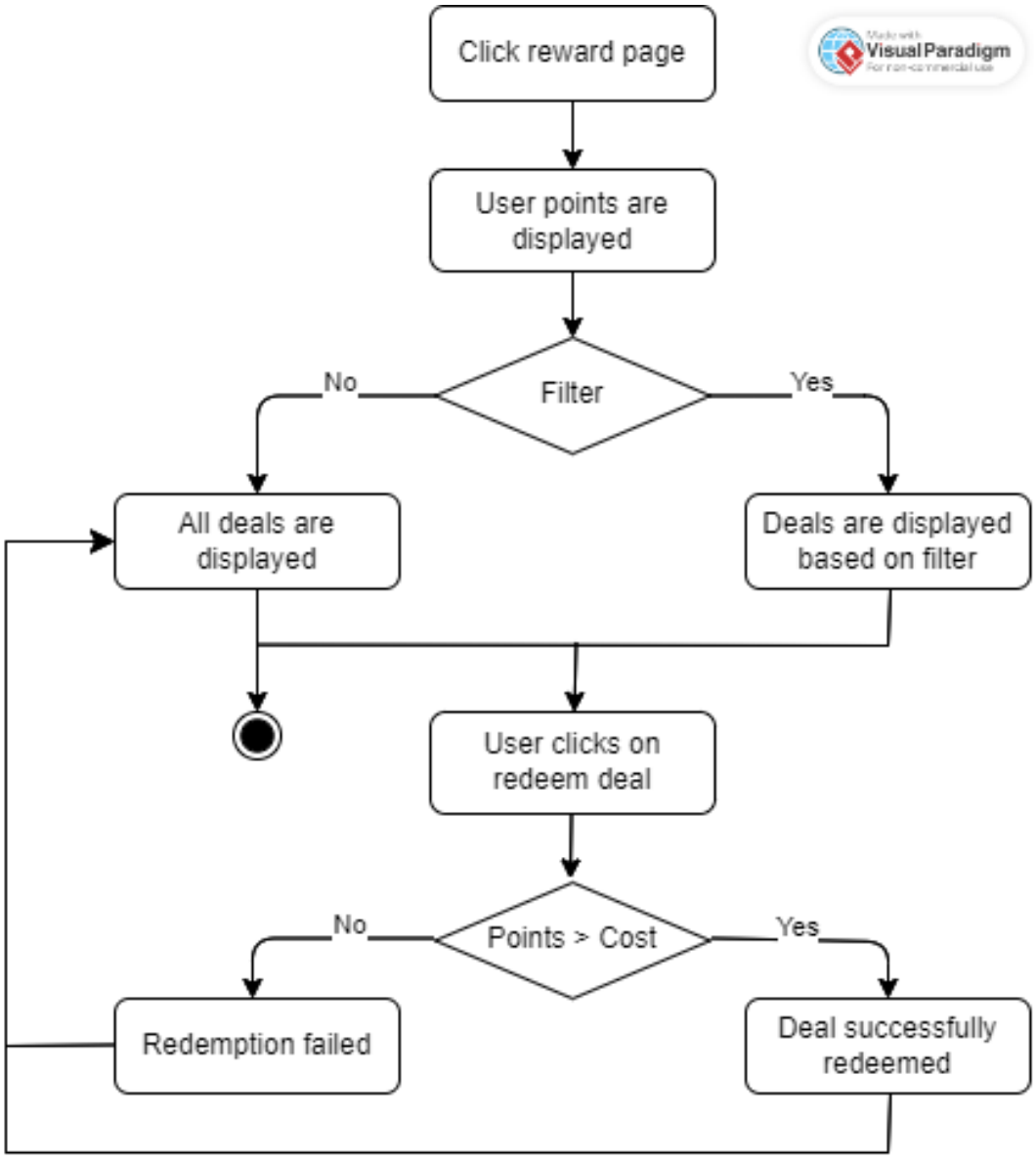
Test Case Scenario	RedeemRewards-1	**Test Case ID**	RedeemRewards-1A
Test Case Description	RedeemRewards - Positive Test Case	**Test Priority**	Medium
Pre-Requisite	Stable internet connection Logged in Available unredeemed deals	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click on rewards page	Filter - all	Reward Page with user's points and all available deals	Reward Page with user's points and all available deals	Android Emulator	Pass	[Adrian 6/11/2022 3:12PM]: Load and deal display successful
2	Redeem a deal that cost less than user's points	-	Deal redemption successful, user's points deducted accordingly	Deal redemption successful, user's points deducted accordingly	Android Emulator	Pass	[Adrian 6/11/2022 3:13PM]: Redemption successful

Test Case Scenario	RedeemRewards-2	**Test Case ID**	RedeemRewards-2A
Test Case Description	RedeemRewards - Negative Test Case	**Test Priority**	Medium
Pre-Requisite	Stable internet connection Logged in Available unredeemed deals	**Post-Requisite**	NA

Test Execution Steps:

S. No	**Actions**	**Inputs**	**Expected Output**	**Actual Output**	**Test Device**	**Test Results**	**Test Comments**
1	Click on rewards page	Filter - FnB	Reward Page with user's points and all	Reward Page with user's points and all	Android Emulator	Pass	[Adrian 6/11/2022 3:15PM]: Load

			available FnB deals	available FnB deals			and filtered deal display successful
2	Redeem a deal - cost more than user's points	-	Deal redemption failed	Deal redemption failed	Android Emulator	Pass	[Adrian 6/11/2022 3:16PM]: Redemption successfully blocked