

<b>Project Name:</b> Recycle Helper											
<b>Module Name</b> Login/SignUp											
Test Case Id	Test Scenario	Test Case	Pre-Condition	Test Steps	Test Data	Expected Result	Post Condition	Actual Result	Status (Pass/Fail)	Screenshots (Android)	Screenshots (iOS)
1	Launch Application	Application starts and Welcome screen with login/signup option is displayed to the user	Expo Go application is present on User device	Click on application link provided by Expo		Welcome Page is visible		Welcome Page is displayed to user	PASS		
2	Login	User will be able to login successfully after clicking the login button and entering valid login information	Need a valid user account to login	Enter valid email	Valid user email	Home Page is visible to user		Home Page is visible to user	PASS		
				Enter valid password	Valid user password						
				Click login button							
3	Login	User will not be able to login successfully after clicking the login button and entering invalid login information		Enter email	Valid user email	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter password	Invalid user password						
				Click login button							
4	Login	User will not be able to login successfully after clicking the login button and entering invalid login information		Enter email	Invalid user email	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter password	Valid user password						
				Click login button							
5	Login	User will not be able to login successfully after clicking the login button and entering invalid login information		Enter email	Invalid user email	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter password	Invalid user password						
				Click login button							
6	Sign Up	User will be able to signup successfully after clicking the signup button and entering valid signup information		Enter Full name	Valid user name	Home Page is visible to user and user account is created in Firestore database		Home Page is visible to user and user account is created in Firestore database	PASS		
				Enter email	Valid user email						
				Enter password	Valid user password						
				Confirm Password	Valid user password						
				Click signup button							
				Enter First Name	First name						
				Enter email	Valid user email						

7	Sign Up	User will be unable to signup if entered only first name		Enter password	Valid user password	Error is displayed to the user		Error is displayed to the user	PASS		
				Confirm Password	Valid user password						
				Click signup button							
8	Sign Up	User will be unable to signup if entered badly formatted email		Enter full name	Full name	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter email	Invalid user email						
				Enter password	Valid user password						
				Confirm Password	Valid user password						
				Click signup button							
9	Sign Up	User will be unable to signup if entered password less than 6 characters		Enter full name	Full name	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter email	Valid user email						
				Enter password	Short password						
				Confirm Password	Short password						
				Click signup button							
10	Sign Up	User will be unable to signup if entered password and confirm password fields do not match.		Enter full name	Full name	Error is displayed to the user		Error is displayed to the user	PASS		
				Enter email	Valid user email						
				Enter password	Valid password						
				Confirm Password	Wrong password						
				Click signup button							

<b>Project Name:</b>		Recycle Helper									
<b>Module Name</b>		Recycling Module									
Test Case Id	Test Scenario	Test Case	Pre-Condition	Test Steps	Test Data	Expected Result	Post Condition	Actual Result	Status (Pass/Fail)	Screenshots (Android)	Screenshots (iOS)
1	Start Recycling	User is navigated to recycling screen when "Start Recycling" button is clicked	User logged in or signed Up successfully	Click on "start Recycling" button		Recycling Page is visible		Recycling Page is visible	PASS		
2	Click Picture	User will be able to open camera and click a picture when clicked on "Click Picture" button	User logged in or signed Up successfully	Click "Click Picture" button		User is able to click an image		User is able to click an image	PASS		
				Click image when camera opens							
				Click OK							
3	Choose picture from gallery	User will be able to open device gallery and pick a picture when clicked on "Choose picture from gallery" button	User logged in or signed Up successfully	Click "Choose Picture from Gallery" button		User is able to choose and pick an image		User is able to choose and pick an image	PASS		
				Choose image when device gallery opens							
				Click OK							
4	Select from item category from list	User will not be able to login successfully after clicking the login button and entering invalid login information	User logged in or signed Up successfully	Click "Choose Item Category" button		Recycle instructions for the chosen category is displayed to the user		Recycle instructions for the chosen category is displayed to the user	PASS		
				Choose item category and subcategory from the list in the following screens							
5	Get category prediction for image	User will be able to get a prediction from the model		Click Image		User gets a prediction as a response from the trained model using google cloud function		User gets a prediction as a response from the trained model using google cloud function	PASS		
				Click "OK" button							
				Click "Check" button							
6	Recieve instructions for recycle category	User will be able to recieve instructions for item predicted or chosen	User has chosen the recycle item category from the list OR	Click " Yes show me recycle instructions" button OR		Recycle instructions for the chosen/predicted category is displayed to the user		Recycle instructions for the chosen/predicted category is displayed to the user	PASS		
			User has received the prediction of item category								
				Choose the category to fetch instructions for							
		User will be able to click recycle locator	User is on the			User should be		User navigated outside the			

7	Recycle Locator	Recycle Locator button and navigate to earth 911 recycling locator web page	User is on the Recycle Instructions Screen	Click " Recycle Locator" Icon button		navigated outside the application to the Earth 911 recycling locator web page		Clicked the application to the Earth 911 recycling locator web page	PASS		
8	Additional Information functionality	User will be able to view additional information on the item currently recycled by clicking on " Additional Information" button	User is on the Recycle Instructions Screen	Click " Additional Information" Icon button		User should be navigated outside the application to the Earth 911 information web page specific to the recycle item		User navigated outside the application to the Earth 911 information web page specific to the recycle item	PASS		
9	Congratulatory message after submitting recycling activity	User receives a congratulatory message after submitting recycling activity		Click "Submit" button on Recycle Instructions Screen		Congratulatory message should be displayed on the screen		Congratulatory message is displayed on the screen	PASS		
10	Recycling activity stored in database	User's current recycle activity data is stored in the database	User click the submit button after performing the recycle instructions steps			User Recycle Activity details should be stored in firebase firestore database		User Recycle Activity detail is should be stored in firebase firestore database	PASS		

<b>Project Name:</b> Recycle Helper											
<b>Module Name</b> Recycle Report											
Test Case Id	Test Scenario	Test Case	Pre-Condition	Test Steps	Test Data	Expected Result	Post Condition	Actual Result	Status (Pass/Fail)	Screenshots (Android)	Screenshots (iOS)
1	Recycle Report	User is navigated to the Recycle Report screen when "Recycle Report" button is pressed	User logged in or signed Up successfully	Click on "Recycle Report" button		Recycling Report screen should be visible		Recycling Report screen is visible	PASS		
2	Daily Recycle Data	User is presented with current day's recycle logs when "Recycle Report" button is pressed	User logged in or signed Up successfully	Click on "Recycle Report" button		Daily Recycling Report should be presented to the user		Daily Recycling Report is presented to the user	PASS		
3	Monthly Recycle Data	User is presented with current month's recycle logs when "Monthly" tab is pressed	User logged in or signed Up successfully	Click on "Monthly" tab		Monthly Recycling Report should be presented to the user		Monthly Recycling Report is presented to the user	PASS		
4	Yearly Recycle Data	User is presented with the current year's recycle logs when "Yearly" tab is pressed	User logged in or signed Up successfully	Click on "Yearly" tab		Yearly Recycling Report should be presented to the user		Yearly Recycling Report is presented to the user	PASS		
5	Start Recycling Button	User should be presented with "Start Recycling" button in daily, monthly and yearly report screens to navigate to the the recycling screen				"Start Recycling" button should be displayed to the user		"Start Recycling" button is displayed to the user	PASS		
6	Data absent	User should be presented with the data absent screen when there is no daily,monthly or yearly recycle history present for the user	User daily, monthly or yearly logs should be absent	Click on "Recycle Report" button		Data absent screen should be displayed to the user		Data absent screen is displayed to the user	PASS		

<b>Project Name:</b> Recycle Helper											
<b>Module Name</b> Recycle Goal											
Test Case Id	Test Scenario	Test Case	Pre-Condition	Test Steps	Test Data	Expected Result	Post Condition	Actual Result	Status (Pass/Fail)	Screenshots (Android)	Screenshots (iOS)
1	Recycle Goal	User is navigated to the Recycle Goal screen when "Recycle Goal" button is pressed	User logged in or signed Up successfully	Click on "Recycle Goal" button		Recycling Goal screen should be visible		Recycling Goal screen is visible	PASS		
2	Set Goal	Set Goal Screen should be displayed to the user if the goal is not set	User goal should not be set	Click on "Recycle Goal" button		Set Goal page should be visible to user		Set Goal page is visible to user	PASS		
3	Update Goal with progress percentage	Update Goal Screen should be displayed to the user if the goal is already set . User should also be able to see the current progress	User goal should be set	Click on "Recycle Goal" button		Update Goal page and current progress should be visible to the user		Update Goal page and current progress is visible to the user	PASS		
4	Goal Set in Firebase Firestore database	User goal information should be stored in firebase firestore when clicks on "Set goal" button.		Enter valid monthly goal	Valid goal value	Goal information should be added in firebase firestore database		Goal information is added in firebase firestore database	PASS		
				Click "Set goal " button							
5	Goal Updated in Firebase Firestore Database	User goal information should be updated in firebase firestore when clicks on "Update goal" button.		Click on "Update" Button	Valid goal value	Goal information should be updated in firebase firestore database		Goal information is updated in firebase firestore database	PASS		
				Enter valid goal value							
				Click on "Update Goal" button							
6	Input Validations	Error messages should be displayed to the user if wrong input is provided while setting or updating goal		Enter invalid monthly goal value	Invalid goal value	Error should be displayed to the user in the form of an Alert		Error is displayed to the user in the form of an Alert	PASS		
				Click "Set goal" or "Update goal" button							