Use Case	Input	Expected Output	Actual Output	Status
Register	Username: "" Password: "" Confirm Password: "" Email: ""	Display Error "Please fill in the fields"	Display Error "Please fill in the fields"	Approval
Register	Username: "John" Password: "12345" Confirm Password: "123" Email: "abcde"	Display Error "Password must be the same" "Please enter a valid email"	Display Error "Password must be the same" "Please enter a valid email"	Approval
Register	Username: "John" Password: "12345" Confirm Password: "12345" Email: "John@xyz.com"	Redirect to login page Flash message "Create Account successful. A confirmation email has been sent to your email"	Redirect to login page Flash message "Create Account successful. A confirmation email has been sent to your email"	Approval
Register	Username: "John" Password: "12345" Confirm Password: "12345" Email: "John@xyz.com"	Display Error "Username already exists" "Email already exists"	Display Error "Username already exists" "Email already exists"	Approval
Login	Username: "John" Password: "12345"	Redirect to main page Flash message "Login successful"	Redirect to main page Flash message "Login successful"	Approval
Login	Username: "Jo" Password: "123"	Flash message "Invalid username or password"	Flash message "Invalid username or password"	Approval
Account	current_user == None	Redirect to login page Flash message "Please login to access this page"	Redirect to login page Flash message "Please login to access this page"	Approval
Image recognition	File: "clothes8.jpg"	Display message "The trash should be 2nd hand"	Display message "The trash should be 2nd hand"	Approval

Image recognition	File: "5wh0lsj1gtwy.jpg"	Display message "The trash should be E-waste"	Display message "The trash should be E-waste"	Approval
Image recognition	File: "5-1-1-1jpg"	Display message "The trash should be E-waste"	Display message "The trash should be cash for trash"	Failed
Image recognition	File: "0902ledlighting.jpg"	Display message "The trash should be lightning waste"	Display message "The trash should be lightning waste"	Approval
Image recognition	File: "plastic7.jpg"	Display message "The trash should be cash for trash"	Display message "The trash should be cash for trash"	Approval
Navigate to Nearest Recycling Bin	Category: "Lighting Waste" Location: "Choa Chu Kang" Get Current Location: Unchecked Mode of Transport: "transit"	Display message "Showing bins for Lighting Waste for Choa Chu Kang" Displays list of Lighting Waste Bins in ascending order of distance.	Display message "Showing bins for Lighting Waste for Choa Chu Kang" Displays list of Lighting Waste Bins in ascending order of distance.	Approval
Navigate to Nearest Recycling Bin	User option of bin choice	Redirect to selected bin page Display content Selected Bin Name Location Type of Bin	Redirect to selected bin page Display content Selected Bin Name Location Type of Bin	Approval
Navigate to Nearest Recycling Bin	User option of Google Map	Redirect to Google Maps with bin location inputted	Redirect to Google Maps with bin location inputted	Approval
Navigate to Nearest Recycling Bin	Category: "Lighting Waste" Location: "" Get Current Location: Unchecked Mode of Transport: "transit"	Flash message "No location found! Please try again."	Flash message "No location found! Please try again."	Approval

Access Locations	Category: "Lighting Waste" Location: "Choa Chu Kang" Get Current Location: Checked Mode of Transport: "transit"	Flash message "Current location is: (User's current location) BLK 315 YISHUN RING RD" Display list of Lighting Waste Bins in ascending order of distance to user's current location	Flash message "Current location is: (User's current location) BLK 315 YISHUN RING RD" Display list of Lighting Waste Bins in ascending order of distance to user's current location	Approval
Access Locations	Category: "Lighting Waste" Location: "Choa Chu Kang" Get Current Location: Checked Mode of Transport: "transit" User does not allow GPS access on their device	Flash message "No location found! Please try again."	Flash message "No location found! Please try again."	Approval
Display Feedback	Select a waste category: "Lighting Waste" Select a location: "Siglap Road" Press "Search" and "Display"	List of feedbacks given for location	List of feedbacks given for location	Approval
Create Feedback	Press "Add Feedback" button Select a waste category: "Lighting Waste" Select an address: "Siglap Road" Press "Select Location" Rating: "4" Review: "Good" Choose file: Add any picture of choice	Redirect to "Create Feedback" page Redirect to home page Flash "Feedback created successfully!"	Redirect to "Create Feedback" page Redirect to home page Flash "Feedback created successfully!"	Approval
Create Feedback	Rating: "" Review: ""	Display Error "Please fill in the fields"	Display Error "Please fill in the fields"	Approval
Create Feedback	Choose file: ""	Picture uploaded will be default picture	Picture uploaded will be default picture	Approval

Add Favourites	Selects "Add Favourites" under "Find a bin" page	Flash "Favourites added successfully"	Flash "Favourites added successfully"	Approval
Add Favourites	Selects "Add Favourites" under "Find a bin" page with the same location as previous test case	Flash "Favourites has already been added!"	Flash "Favourites has already been added!"	Approval
Display Favourites	Selects a waste category "Lighting Waste"	List of favourited location with lighting waste as category displayed	List of favourited location with lighting waste as category displayed	Approval
Display Favourites	Selects another waste category "Second-hand"	List of favourited location with second hand as category displayed	List of favourited location with second hand as category displayed	
Read Article	Selects Articles	Redirect to articles page	Redirect to articles page	Approval
Read Article	Selects "more information" for article "how do you know what to recycle"	Display Written by: John Tan | Published on: 11 February 2019	Display Written by: John Tan | Published on: 11 February 2019	Approval
Read Article	Selects NEA in "other organisation sites"	Redirect to nea.gov.sg	Refirect to nea.gov.sg	Approval