

UAT Test Plans

Test Plan 1: Login and Registration

Description: This test plan focuses on verifying that users can successfully login to the website and register for an account.

Test Cases:

User should be able to create a new account by providing a valid email address and password.
User should be redirected to the login page after successfully registering for an account.
User should be able to login with their valid credentials.
User authentication should fail when invalid credentials are provided.
User should be directed to register when invalid credentials are provided
The login page should display an error message when invalid credentials are provided.

Test Data:

Valid email address and password for a new account
Invalid email address and password for authentication failure

Test Environment:

A browser (Chrome, Firefox, Safari, etc.) running on a desktop or mobile device
A stable internet connection

Test Results:

User can successfully create a new account and login with valid credentials
User receives an error message when invalid credentials are provided

User Acceptance Testers:

Individuals who are not familiar with the website, but have experience with similar websites

Test Plan 2: Home Page

Description: This test plan focuses on verifying that the home page of the website displays correctly and provides useful information to the user.

Test Cases:

User should be welcomed with a personalized message on the home page.
The home page should display a tip on how to be more eco-friendly.
The home page should display the user's current impact on the environment.
The home page should have a navigation menu that allows the user to access other pages on the website.

Test Data:

A valid user account with travel and electricity data inputted

Test Environment:

A browser (Chrome, Firefox, Safari, etc.) running on a desktop or mobile device
A stable internet connection

Test Results:

User is welcomed with a personalized message on the home page.
The home page displays a useful tip on how to be more eco-friendly.

The home page displays the user's current impact on the environment.
The navigation menu allows the user to access other pages on the website.

User Acceptance Testers:

Individuals who are not familiar with the website, but have experience with similar websites

Test Plan 3: Log Page

Description: This test plan focuses on verifying that the log page allows the user to input their modes of travel and saves the data successfully.

Test Cases:

User should be able to select their mode of travel from a dropdown menu.
User should be able to input the distance traveled for each mode of travel.
User should be able to save their travel data successfully.
The log page should display the user's saved travel data.

Test Data:

A valid user account with no travel data inputted

Test Environment:

A browser (Chrome, Firefox, Safari, etc.) running on a desktop or mobile device
A stable internet connection

Test Results:

User can select their mode of travel from a dropdown menu.
User can input the distance traveled for each mode of travel.
User can save their travel data successfully.
The log page displays the user's saved travel data.

User Acceptance Testers:

Individuals who are not familiar with the website, but have experience with similar websites

Test Plan 4: Leaderboard

Objective: To ensure that the leaderboard is displaying global user data correctly and accurately.

Test Cases:

Verify that the leaderboard displays the top 10 users with the highest environmental impact scores.
Verify that the leaderboard displays the username, location, and environmental impact score of each user.
Verify that the leaderboard updates in real-time as new data is entered by users.
Verify that the leaderboard can be filtered by location, showing only users from a specific country or region.
Verify that the leaderboard can be sorted by environmental impact score, showing users in order from highest to lowest impact.

Test Data:

Sample user data with varying environmental impact scores and locations.
Test data for specific locations to verify the location filter functionality.

Test Environment:

The leaderboard feature will be tested on a staging environment that mirrors the production environment.

The test environment will include sample user data with varying environmental impact scores and locations.

Test Results:

Test results will include screenshots of the leaderboard with the expected results highlighted.

Test results will also include a summary of any issues encountered during testing and steps taken to resolve them.

User Acceptance Testers:

Actual users will be recruited to test the leaderboard feature.

The users will be selected based on their location and environmental impact score to ensure a diverse range of testing scenarios.(in our case will be our manipulated data)