User Acceptance Testing (UAT) Template

Date	28 June 2025
Team ID	LTVIP2025TMID36584
Project Name	cleantech: transforming waste management with transfer learning
Maximum Marks	

Project Overview:

Project Name: CleanTech: Transforming Waste Management with Transfer Learning

Project Description: CleanTech is a web-based AI system that classifies images of municipal waste into Biodegradable, Recyclable, or Trash using a deep learning model (MobileNetV2). The application is designed to improve efficiency and accuracy in waste segregation.

Project Version: v1.0

Testing Period: June 20, 2025 – June 25, 2025

Testing Scope:

Features and functionalities to be tested:

- Home, About, Contact, and Predict pages
- Image upload and classification
- Model prediction accuracy
- Navigation between pages
- UI responsiveness and feedback

User Stories:

- As a user, I should be able to upload an image and receive classification results.
- As a user, I want clean navigation across pages.
- As a user, I want prediction results to be visually shown with confidence.

Testing Environment:

URL/Location: http://127.0.0.1:5000

Credentials (if required): No authentication required

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Image upload and prediction	1. Go to Predict page 2. Upload image 3. Submit form	Image is classified and label is shown	Image classified as expected	Pass
TC-002	Navigation check	1. Open Home 2. Click About, Contact, Predict	Respective pages open with common nav bar	All pages load with correct routing	Pass
TC-003	Invalid file upload	1. Upload text file or unsupported format	System should reject with error message	Handled with alert message	Pass
TC-004	UI responsiveness	1. Resize browser window 2. Check layout	All elements adjust properly	UI responsive on mobile and desktop	Pass
TC-005	CSS and visual elements	1. Load each page	Each page displays with intended styling	Styling and background working fine	Pass

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Predict button was not centered on mobile	1. Open Predict page on phone 2. Scroll	Low	Closed	CSS updated for mobile flex layout
BG-002	Uploading non-image file crashes app	1. Select .txt file 2. Submit	Medium	Closed	MIME type check added

Sign-off:

Tester Name: Veda Bhavishya Gudivaka

Date: June 26, 2025

Signature: G.Veda Bhavishya

Notes:

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.