User Acceptance Testing (UAT) Template

Date	30 June 2025
Team ID	LTVIP2025TMID60885
Project Name	Smart sorting Transfer Learning for identifying rotten fruits and vegetables
Maximum Marks	

Project Overview:

Project Name: Smart Sorting: Transfer Learning for Rotten Fruits and Vegetables

Project Description: An AI-based classification system utilizing transfer learning to detect and sort rotten vs. fresh fruits and vegetables from image inputs.

Project Version: 1.0

Testing Period: [Start Date] to [End Date]

Testing Scope

Features/Functionalities to be Tested:

Image upload and input processing

Fruit/vegetable classification (fresh vs. rotten)

Real-time prediction accuracy

Batch image processing

Sorting decision feedback and dashboard

Alert/flagging system for spoiled produce

User Stories/Requirements to be Tested:

As a user, I can upload images for sorting.

As a system, I can classify fruits and vegetables as fresh or rotten.

As a system, I can trigger alerts when a high percentage of produce is rotten.

Testing Environment

URL/Location: [Web URL or Application Location]

Credentials (if required): [Username/Password]

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Image upload validation	Step1: Go to update page Step2: select and upload image life	Image was successfully uploaded		
		...	...	...	...

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Incorrect classification for partial rotten fruits	Step 1:upload partial rotten fruits.	Medium	Open	Validation must trigger error messages
...	...	...	...	...	...

Sign-off

Tester Name: [Name of Tester]

Date: [Date of Test Completion]

Signature: [Tester's Signature]

Notes

Cover both positive and edge cases (e.g., poor lighting, blur).

Validate model predictions with labeled datasets.

Record classification confidence scores when available.

Include UI/UX comments for image upload interface and prediction display.

Final sign-off to be taken from QA Lead and Product Owner before deployment.