

User Acceptance Testing (UAT) Template

Date	20 February 2026
Team ID	LTVIP2026TMIDS52600
Project Name	Introduction to Smart Sorting – Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	

Project Overview:

Project Name: Introduction to Smart Sorting – Transfer Learning for Identifying Rotten Fruits and Vegetables

Project Description: This project uses Transfer Learning with a pre-trained CNN model to classify fruits and vegetables as **Fresh** or **Rotten**. The system processes image input, predicts category, and displays accuracy and performance metrics.

Project Version: 1.0

Testing Period: 15 February 2026 – 18 February 2026

Testing Scope:

- Image upload functionality
- Prediction accuracy (Fresh/Rotten classification)
- Model performance display
- Dashboard visualization
- Error handling for invalid inputs

Testing Environment:

- Application Type: Web-based Application
- Platform: Google Chrome (Latest Version)
- Hardware: Laptop (8GB RAM, Intel i5)
- Credentials: Not required

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Upload valid fruit image	1. Open app 2. Upload fruit image 3. Click Predict	System should classify as Fresh or Rotten	Image classified correctly with confidence score	Pass

TC-002	Upload invalid file format	1. Upload .txt file 2. Click Predict	System should show error message	Error message displayed	Pass
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Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Delay in prediction when multiple images uploaded	Upload 5+ images at once	Medium	Closed	Optimized model loading time
BG-002	Minor UI alignment issue in dashboard	Open dashboard on smaller screen	Low	closed	UI adjusted for responsiveness

Sign-off:

Tester Name: K. Sahithisri

Date: 18 february 2026

Signature: K.Sahithisri

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.