

User Acceptance Testing (UAT) Template

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| 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 |
|--------|----------------------------|--------------------------------------|----------------------------------|-------------------------|------|

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.