

## **User acceptance Testing**

User Acceptance Testing is the final phase of testing before deploying a solution. It ensures that the system meets real-world user needs and works as expected in actual business scenarios.

### **UAT Objectives**

- Confirm that the AI correctly classifies fresh vs rotten produce.
- Ensure integration with UI, Salesforce, or database works smoothly.
- Validate workflows, alerts, and reports behave as expected.
- Confirm performance: response time, accuracy, and usability.

### **Who Performs UAT?**

- Field Users (e.g., quality inspectors, warehouse staff)
- Operations Managers
- Salesforce Admins / Business Users
- Project Stakeholder
- Validate workflows, alerts, and reports behave as expected.
- Confirm performance: response time, accuracy

### **UAT Test Plan Outline**

UAT Phase	Description
1. Preparation	Define scenarios, create test environment, load sample data.
2. Test Case Design	Write UAT test cases with expected outcomes.
3. Execution	Users test the app and provide feedback.
4. Bug Reporting	Log issues with screenshots or logs.
5. Sign-off	If all critical tests pass, the user signs off for deployment.



## Sample UAT Test Scenarios & Cases

Test Case ID	Scenario	Steps	Expected Result	Pass/Fail
UAT-01	Upload fruit image	1. Login 2. Upload fruit image	Image is accepted and classified	<div> <div>✓</div> <div>/</div> <div>✗</div> </div>

UAT-02	Rotten fruit detection	Upload image of rotten banana	Label shown = "Rotten", confidence > 85%	✓ / ✗
UAT-03	Fresh fruit detection	Upload image of apple	Label = "Fresh", confidence > 85%	✓ / ✗
UAT-04	Save result to system	Upload image, submit	Record saved to Salesforce / DB	✓ / ✗
UAT-05	Trigger alert	Upload 5 rotten items	Email sent to quality team	✓ / ✗
UAT-06	Load dashboard	Open analytics dashboard	Shows counts of fresh/rotten by batch	✓ / ✗
UAT-07	Mobile device compatibility	Test image upload from mobile	Image is uploaded, classified, saved	✓ / ✗
UAT-08	API response time	Upload image	Response < 2 seconds	✓ / ✗

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## Tools That Can Be Used

- Salesforce sandbox (if using Salesforce)

- Excel/Google Sheets for test case tracking
- JIRA or Trello for bug logging
- Postman (for API test validation)