

Project Phase -2

Date	12 february 2026
Team ID	LTVIP2026TMIDS74869
Project Name	Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	4 Marks

Data Flow

User Type	Epic	User Story No.	User Story / Task	Acceptance Criteria	Priority	Release
Supermarket Owner	Quality Control	USN-1	As a store owner, I can upload fruit/vegetable images to verify freshness.	Image is classified as Healthy or Rotten instantly with confidence score.	High	Sprint-1
Customer	Freshness Verification	USN-2	As a customer, I can check if the produce is fresh before purchasing.	System displays accurate freshness prediction clearly.	High	Sprint-1
Store Staff	Image Upload	USN-3	As a staff member, I can upload images in JPG/PNG format.	Valid images are accepted; invalid files are rejected with error message.	High	Sprint-2
Admin	Model Monitoring	USN-4	As an admin, I can monitor model accuracy and performance metrics.	Accuracy, confusion matrix, and evaluation metrics are available.	Medium	Sprint-2
Retail Manager	Efficiency Improvement	USN-5	As a manager, I can use the system to reduce food wastage.	Rotten items are detected early to prevent losses.	High	Sprint-3

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Developer	System Integration	USN-6	As a developer, I can integrate the trained model into the web application.	Model loads successfully and predictions work without errors.	Medium	Sprint-3