

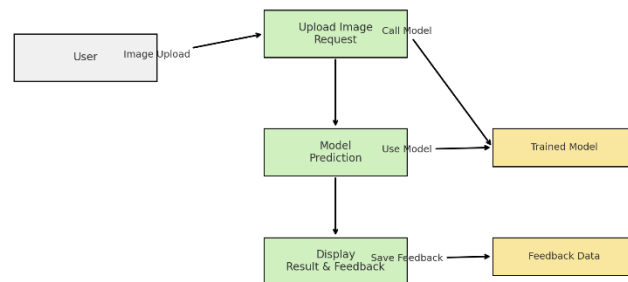
Project Design Phase-II

Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID38828
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Web user)	Image Upload	USN-1	As a user, I can upload an image of a fruit or vegetable	The image gets uploaded and processed	High	Sprint-1
Customer	Classification	USN-2	As a user, I can see if the uploaded item is Healthy or Rotten	Model shows class and confidence score	High	Sprint-1
Customer	Classification	USN-3	As a user, I get a label like "Good to Eat" or "Don't Eat" based on the prediction	A result label is shown after prediction	High	Sprint-1
Customer	Feedback Submission	USN-4	As a user, I can submit feedback after prediction	The feedback is saved and acknowledged	Medium	Sprint-2
Customer	History / Results	USN-5	As a user, I can view the previous prediction result until the session ends	I can review previous result before re-uploading new image	Low	Sprint-2
Customer Care Executive	Feedback Review	USN-6	As support staff, I can view and export user feedback	I can access stored feedback for quality improvement	Medium	Sprint-2
Administrator	Model Monitoring	USN-7	As an admin, I can monitor model accuracy and update the model	Dashboard shows performance metrics and model status	Medium	Sprint-2
Administrator	Data Management	USN-8	As an admin, I can manage image dataset and trigger retraining	I can upload/remove images and start training job	Medium	Sprint-2