

Project Design Phase-II

Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID20416
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.

Example: [\(Simplified\)](#)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can log in and access dashboard using Gmail	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I am able to access my dashboard after successful login	High	Sprint-1
	Dashboard	USN-6	As a user, I can view uploaded images and get predictions for rotten/fresh items	I see the results and image previews correctly	High	Sprint-2
Customer (Web user)	Image Upload & Prediction	USN-7	As a user, I can upload an image and get prediction (fresh/rotten)	I receive prediction after uploading an image	High	Sprint-2
Customer Care Executive	Data Monitoring	USN-8	As a care executive, I can monitor and review uploaded data for accuracy	I can access logs and view image prediction history	Medium	Sprint-2
Administrator	Model Backend Management	USN-9	As an admin, I can maintain backend model to predict fruit status (fresh/rotten)	The model successfully predicts and responds to the frontend	High	Sprint-2