Project Design Phase-II
Data Flow Diagram & User Stories

Date:	19 February 2026
TeamID:	LTVIP2026TMIDS64562
Project Name	Smart Sorting: Transfer learning for 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.
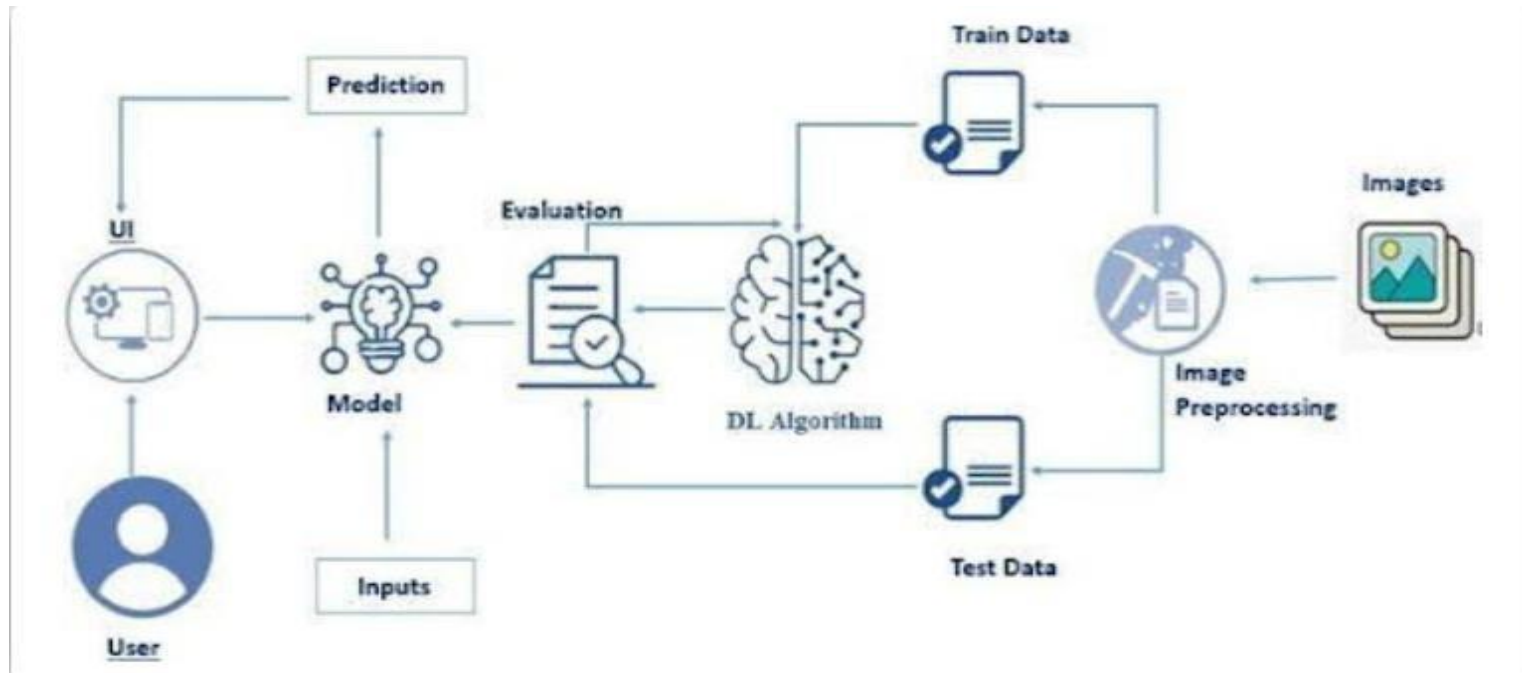
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Supermarket Salesmen	Classification of fruits and vegetables	USN-1	As a salesman, I can give the bulk number of fruits and vegetables to the model	I can identify the rotten and healthy fruits and vegetables	High	Sprint-1
		USN-2	As s salesman, I can segregate the various rotten and healthy fruits and vegetables	Classification is easy, without manual classification	High	Sprint-1
		USN-3	As a salesman, I can remove the rotten items, and cluster all the different healthy items	Customers feel happy for the good quality assured stock in our supermarket	Medium	Sprint-1
Quality assurance manager	Classification of images	USN-4	As a Quality assured manager, I can generate and view the alerts when rotten items are found	Alerts will appear when rotten items were found	High	Sprint-2
Administrator	Model Training	USN-5	As an admin, I can make changes to the dataset, i.e., adding new images or removing existing images	The modifications will be accepted by the model, and will retrain successfully	High	Sprint-3