Project Design Phase-II
Data Flow Diagram & User Stories

Date	12 June 2025
Team ID	LTVIP2025TMID41277
Project Name	Smart sorting
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.
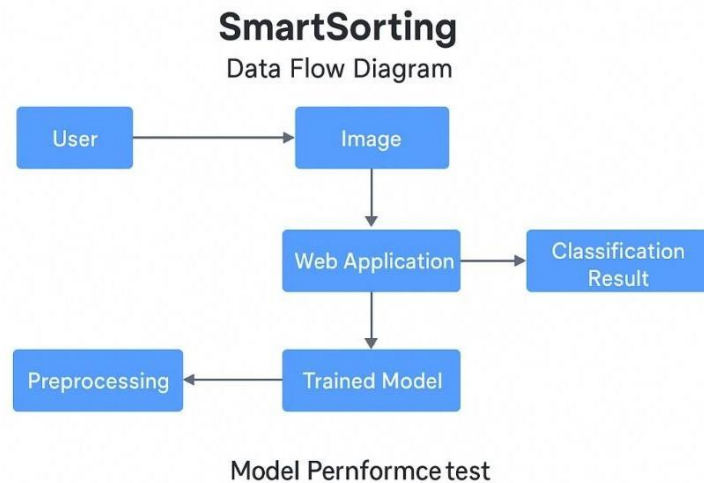
User Stories

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	I can select an image and see a preview before submitting	High	Sprint-1
Customer (Web user)	Classification Result	USN-2	As a user, I can see whether the fruit/vegetable is fresh or rotten	I receive the result immediately after uploading	High	Sprint-1
Customer (Web user)	Confidence Score	USN-3	As a user, I can view the confidence level of the prediction	A percentage (e.g., 92%) is displayed with the prediction	Medium	Sprint-2
Customer (Web user)	Error Handling	USN-4	As a user, I get a proper error message if the uploaded file is invalid	An error message appears when unsupported files are uploaded	Medium	Sprint-2
Customer (Web user)	UI Enhancement	USN-5	As a user, I experience a clean and responsive interface	The web UI adjusts properly across screen sizes	Medium	Sprint-3
Customer (Web user)	Result Log (Local)	USN-6	As a user, I can view a list of my last uploaded images and results	Session-based history is available for review	Low	Sprint-3
Administrator	Usage Monitoring	USN-7	As an admin, I can track total number of predictions made	I can see system usage statistics (optional future scope)	Low	Future