Project Design Phase-II
Data Flow Diagram & User Stories

| Date	15 June 2025
Team ID	LTVIP2025TMID36983
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)

Example: DFD Level 0 (Industry Standard)
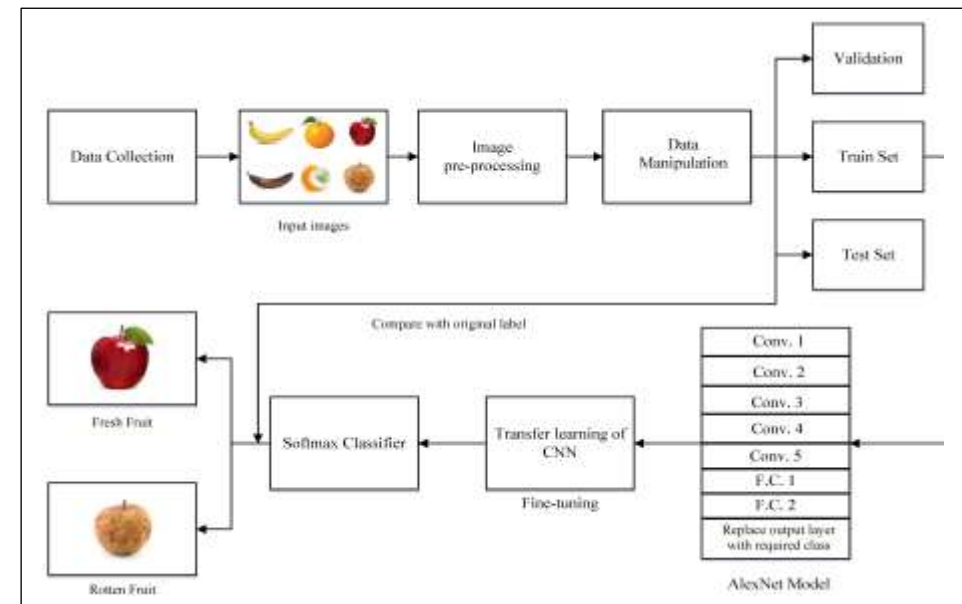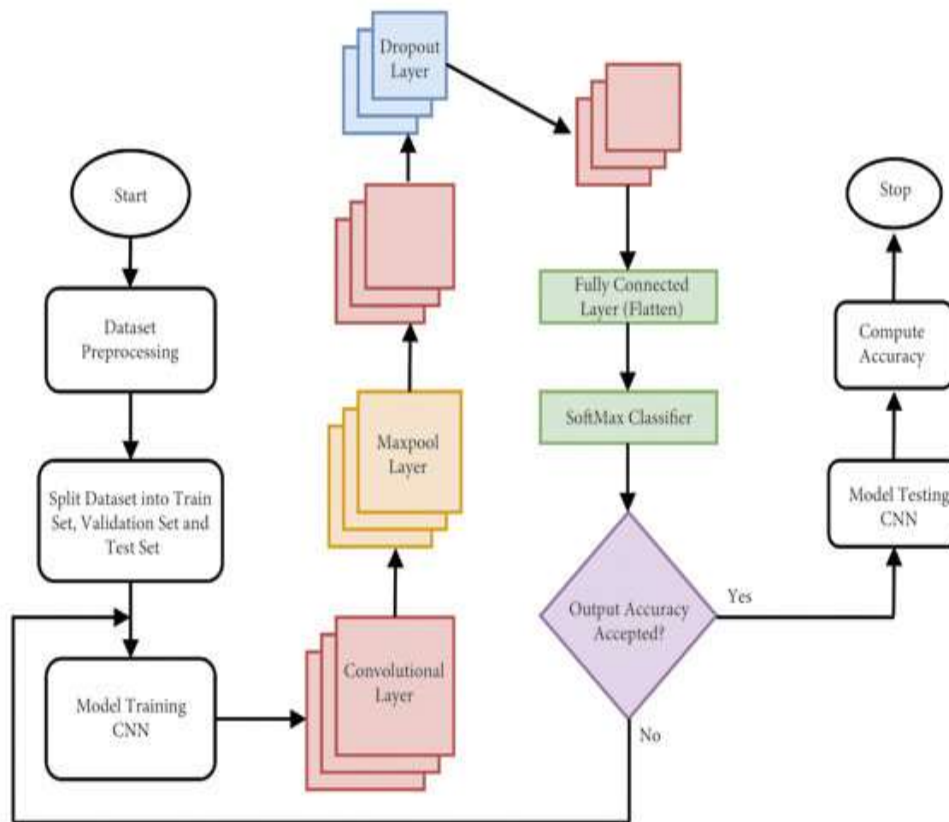
User Stories

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
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
		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 register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can log into my account / dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can view real-time sorting results for my produce batches.	I can see the number of good/rotten items in a batch & view a dashboard summary	I can see the number of good/rotten items in a batch & view a dashboard summary	High	Sprint-2
Customer (Web user)	Reporting	USN-9	As a web user, I can generate detailed reports on sorting efficiency and waste reduction.	I can download PDF/CSV reports of sorting operations	High	Sprint-3
Customer Care Executive	support	USN-13	As a support executive, I can view customer device status and historical data.	I can access customer's device logs and sorting reports		Sprint-2
Administrator	Model Management	USN-17	As an administrator, I can deploy new and updated transfer learning models.	I can push new model versions to all connected devices	High	Sprint-1