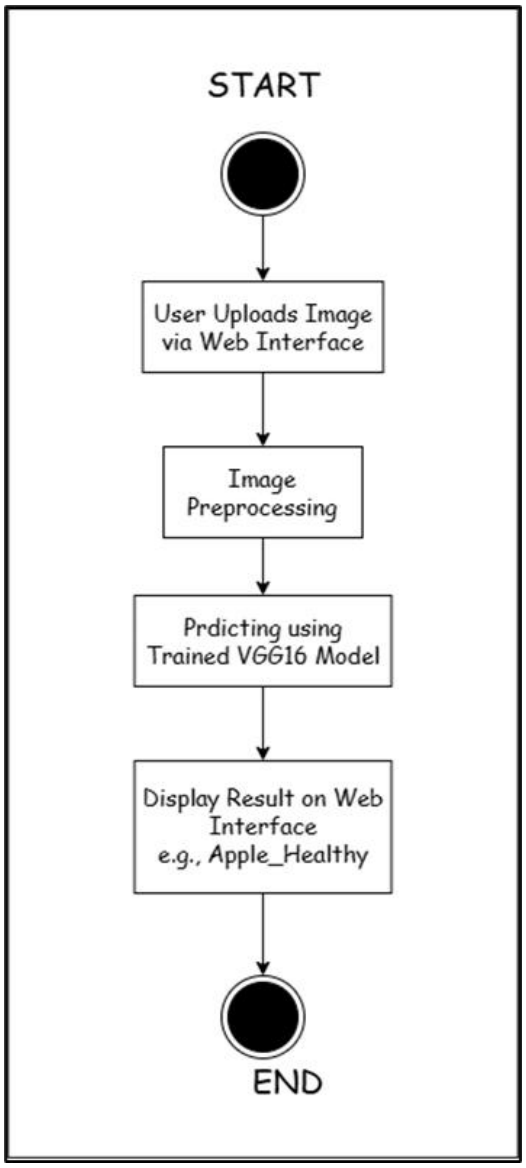
Project Design Phase-II
Data Flow Diagram & User Stories

Date	28 june 2025
Team ID	LTVIP2025TMID59918
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) visually represents how data moves through a system, showing inputs, processes, storage, and outputs.It helps in understanding the functional flow of information without detailing programming logic.DFDs use standardized symbols like arrows (data flow), circles (processes), rectangles (external entities), and open-ended rectangles (data stores).They are commonly used in system analysis to design or refine business processes and software systems.

Flow Diagram:



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
Food Processing Plant Head	Image-Based Freshness Detection	USN-1	As a plant head, I want to upload images of products to detect freshness.	System accepts image uploads, correctly predicts freshness (Healthy/Rotten) with at least 90% accuracy.	High	Sprint-1
	Real-Time Sorting Assistance	USN-2	As a plant head, I want instant freshness feedback so that sorting staff can separate unhealthy items quickly.	System displays clear, quick results after image upload without requiring technical expertise.	Medium	Sprint-1
Supermarket Manager	Quality Verification	USN-3	As a supermarket manager, I want to verify the freshness of incoming stock to reduce customer complaints.	System allows image upload of stock items, predicts freshness, and generates confidence levels above 90%.	High	Sprint-2
	Mobile Compatibility	USN-4	As a supermarket manager, I want to use the system on my mobile device so that I can inspect stock directly.	Web interface is fully responsive and accessible on mobile devices without functional limitations.	Low	Sprint-3