

Project Design Phase-II

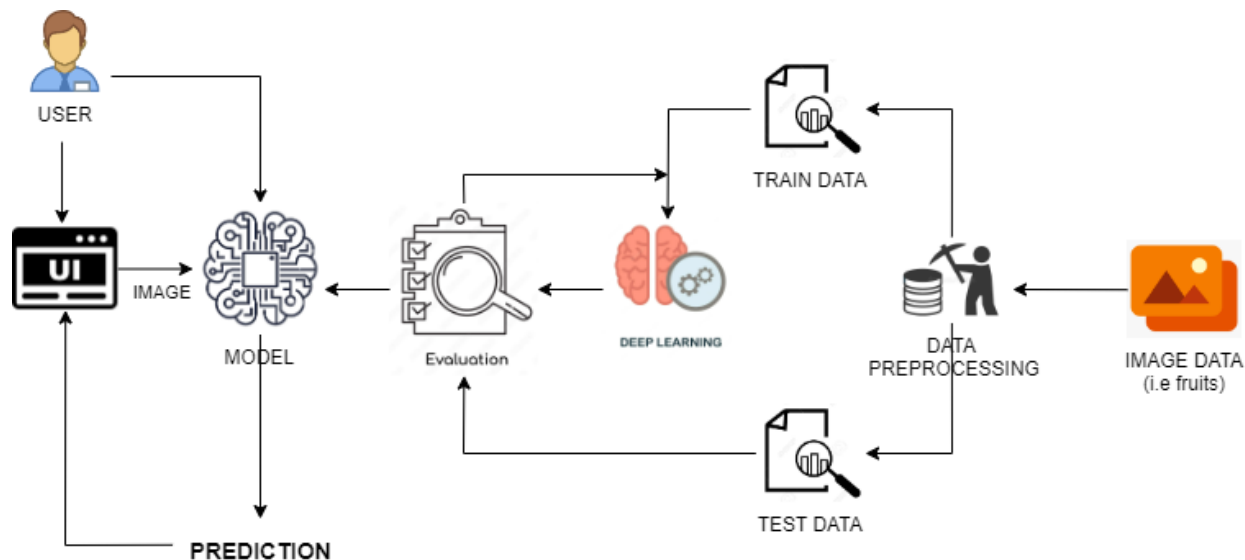
Data Flow Diagram & User Stories

Date	10 October 2022
Team ID	PNT2022TMID46445
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

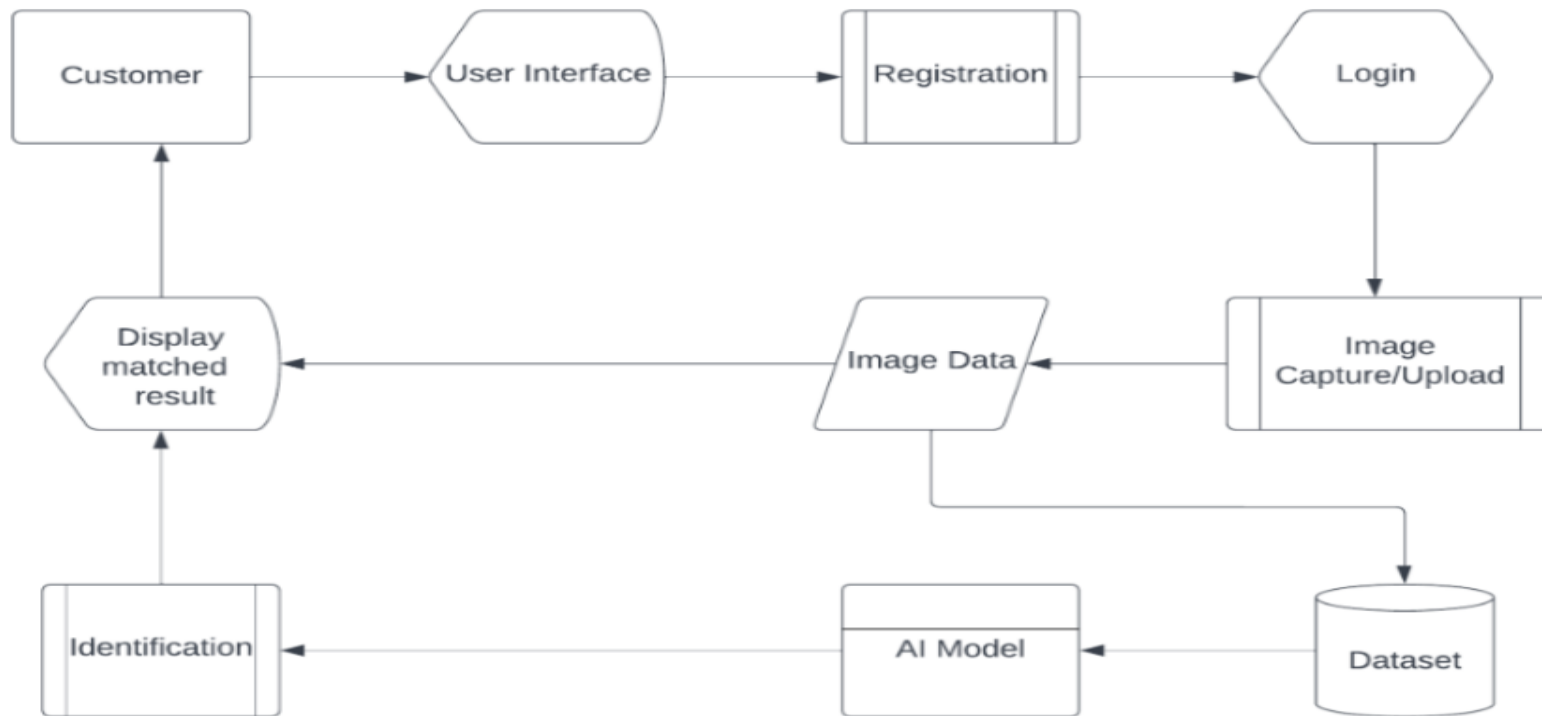
Data Flow Diagrams:

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.

FLOW DIAGRAM:



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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		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 App	I can scan the QR code for confirmation	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	My details are validated by receiving an OTP.	High	Sprint-1
	Dashboard	USN-6	As a user, I enter my primary usage requirements	Display my personalised contents on the dashboard	High	Sprint-1
	Food Identifier	USN-7	As a user, I capture an image using my files or camera.	Identifies the given image from the model dataset & provides necessary information.	High	Sprint-1
	Calorie Tracker	USN-8	As a user, I can either enter the food intake manually or either through camera image capturing 5x daily	My food intake is calculated & analysed on a daily basis	Medium	Sprint-2
	Diet Plan	USN-9	As a user, I can formulate my diet plan by myself according to the given essential nutrients.	The AI model checks whether my diet meets the required nutrient levels.	Low	Sprint-3
Customer (Web user)	Registration	USN-10	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account or dashboard	High	Sprint-3
Customer Care Executive	Chat bot	USN-11	As a user, I can approach the chatbot for usage related queries.	I can obtain responses & guidelines from it	Medium	Sprint-2
Administrator	Database maintenance	US-12	As an administrator, I can handle all the user information & image datasets captured by the AI model.	I can ensure data safety & provide various assurance towards user security	High	Sprint-1