Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID53022
Project Name	Project - Nutritional Assistant Application
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.

Nutritional Assistant Application:

For the Nutritional Assistant Application, the data flow diagram is drawn from the perspective of the users. The user, once logged in, can access various resources to track, edit, update and maintain their calorie tracker journey and can also link their social media to compare their progress with friends.

Additionally, the user can also upgrade to access premium features with a one-time payment, made through their mode of choice.
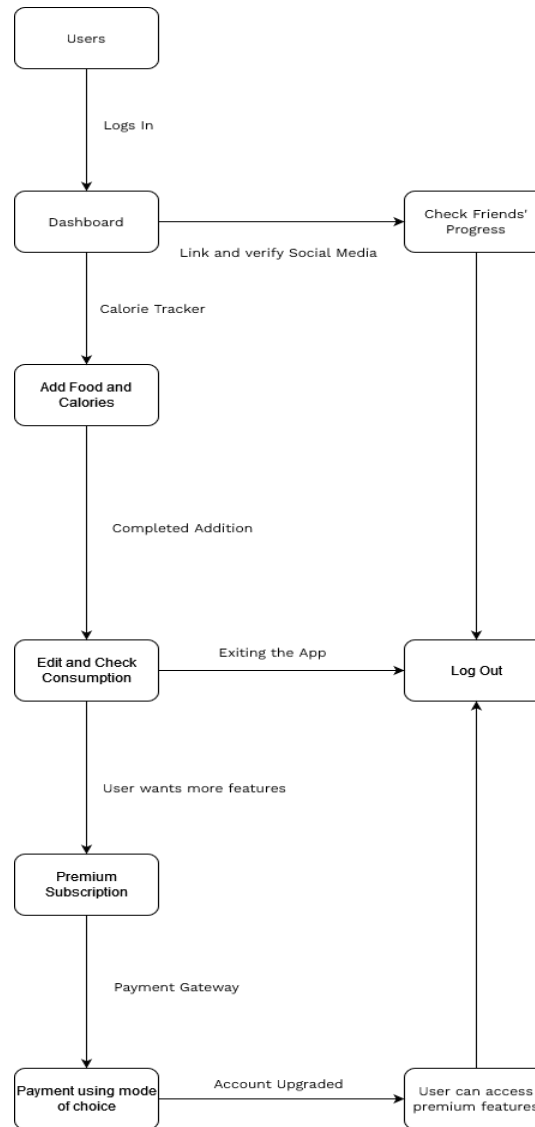
DFD 0

Figure 1: Data Flow Diagram

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web 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
	Login	USN-3	As a user, I can login and track foods that I have consumed at any point of day.	I can login and take pictures for it to be tracked.	Medium	Sprint-2
	Dashboard	USN-4	As a user, I can see the details of calories consumed by me through the day.	I can login and easily access my track history.	High	Sprint-1
		USN-5	As a user, I can log into the application and compare my current calorie count to my history of the same.	I can login and access records of my tracking for a month or a year.	Medium	Sprint-2
		USN-6	As a user, I can compare my progress to my friends.	I can link social media accounts and check for friend progress.	Low	Sprint-2
	Payments	USN-7	As a user, I can purchase premium subscriptions to the app if I choose to do so.	I can seamlessly integrate and pay for my subscription.	Low	Sprint-2
	Add data	USN-8	As a user, I can manually add foods on incorrect detection of my picture, in case of low light or other factors.	I can easily find and add my food to the tracker app.	High	Sprint-1

Admin user stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release	
Administrator (Backend user)	Reset credentials	USN-1	As an admin, I can easily resolve any login issues the users might face.	I can find and identify the problematic account and reset the details if necessary.	High	Sprint-1	Administrator
	Maintenance	USN-2	As an admin, I can schedule maintenance breaks to ensure the proper functioning of the app.	I can easily set time slots for maintenance, and put out messages letting users know of the same.	High	Sprint-1	
	Monitoring	USN-3	As an admin, I can easily monitor the current traffic and status of the application.	I can easily identify anomalies in performance and behaviour.	Low	Sprint-2	