Project Design Phase-II
Data Flow Diagram & User Stories

| Date	03 October 2022
Team ID	PNT2022TMID53138
Project Name	Project - Nutrition 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.

DFD Simplified:
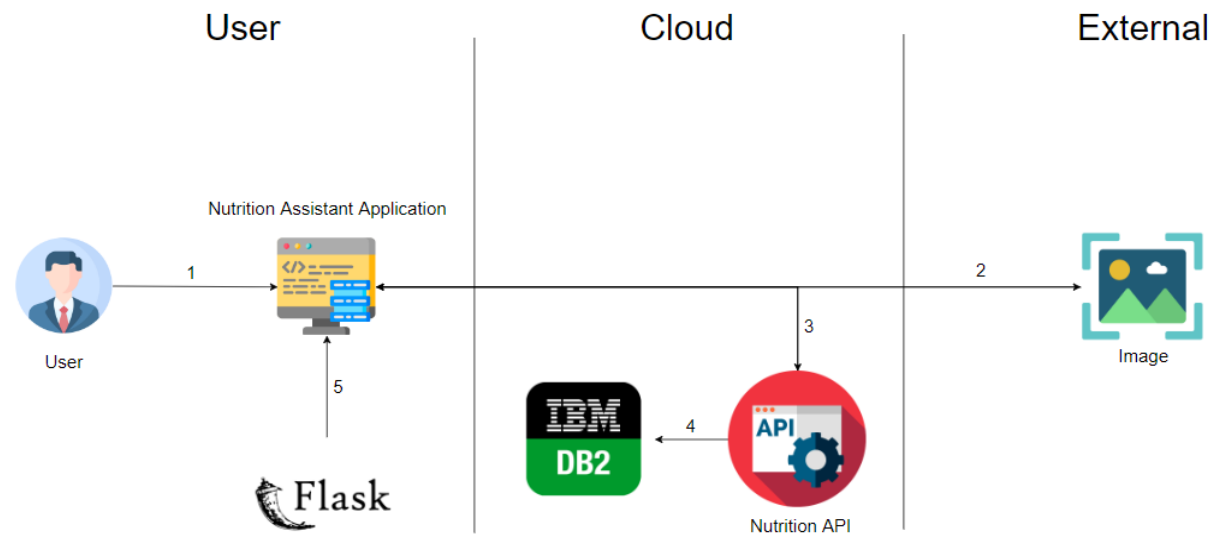
1. The User configures credentials for the Nutrition Assistant Application and starts the app.
2. User takes a picture of the food item and uploads it in the application.
3. Image is sent to the Nutrition API, which analyzes the calories present in the food.
4. User data as well as food details are stored in the IBM DB2 database and sent back to the user.
5. Data is visualized using Flask.

DFD Level 0:
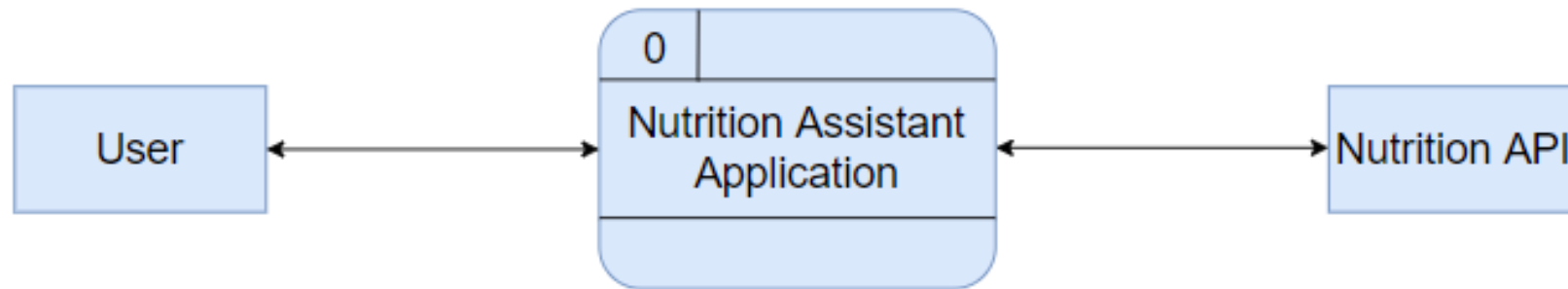
DFD Level 1:
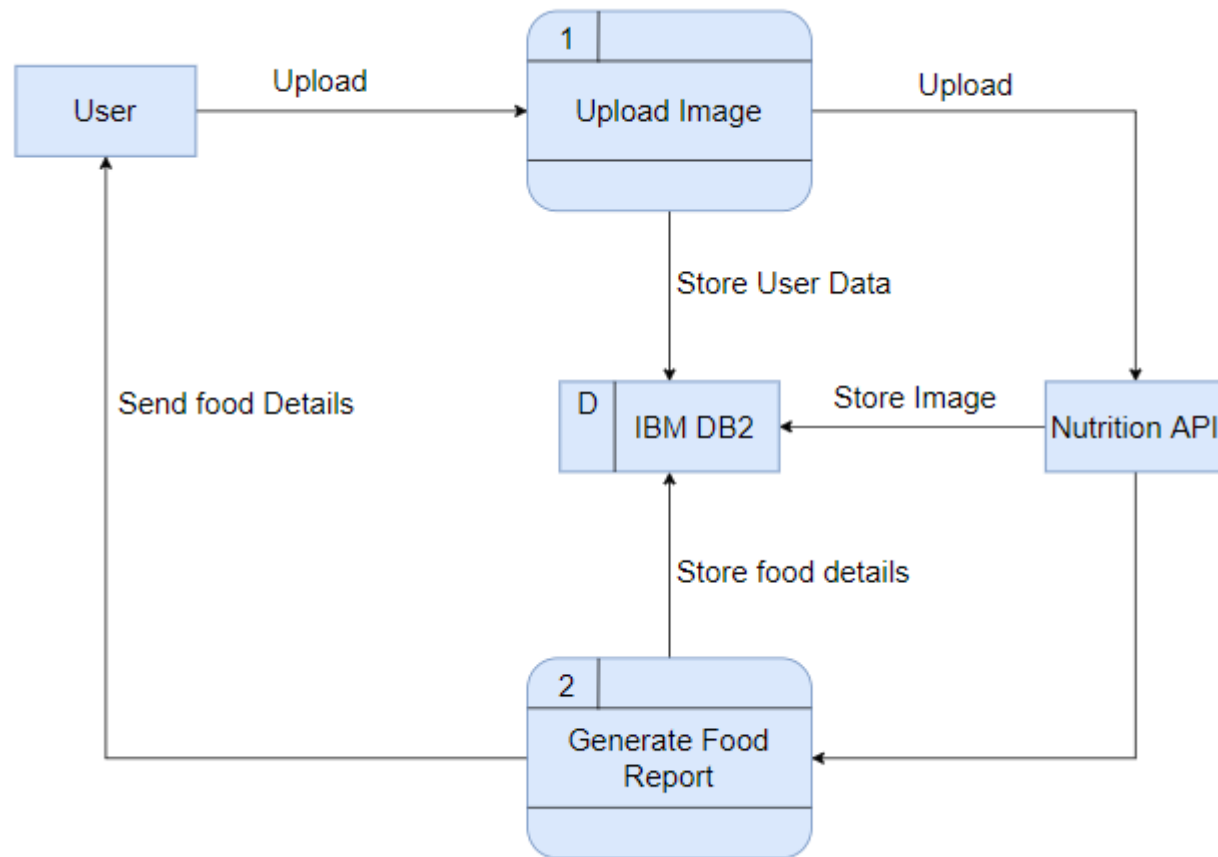
User Stories

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 a 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 access my account / dashboard using my credentials	High	Sprint-1
	Home page	USN-6	As a user, I can upload a picture of my food in the home page	I am redirected to the details page on clicking submit	High	Sprint-1
	Language	USN-7	As a user, I should be able to see the details of the food in the language of my choice	I am able to view the details in my language after clicking translate button	Low	Sprint-3