Project Design Phase-II

Data Flow Diagram & User Stories

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID32891 |
| 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.

# DATA FLOW DIAGRAM FOR NUTRITION ASSISTANT APPLICATION:

Food and

Nutritional fact display

Recipe

for scanned food

Login using email id

Store the login details

Login

User details DB

Store the user

Details in the DB.

Analyse whether

The food is suitable or not for user.

Profile

details

Compare the

Scanned food with food DB to find the food.

Scan

food

USER

Get the details

of the user.

The food is scanned by

the user.

Fact displayed to the user.

Recipes related to the scanned food.

Food DB

Compare the scanned

Food with recipe DB for recipes based on that food.

Recipe DB

Scanned food’s fact and

suggestions from food DB.

Get the recipe from the recipe D

# 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 |
|  | Login | USN-3 | As a user, I can log into the application by entering email & password | I can access the Dashboard and the application. | High | Sprint-1 |
| Customer (Web user) | Upload Photo | USN-4 | As a user , I can upload the food photo. | I can get the nutrition details. | High | Sprint-1 |
| Administrator | User details | USN-5 | As a user , I can fill the Details. | I can get whether the  scanned food is suitable or not. | High | Sprint-2 |
|  | Push notification | USN-6 | As a user, I will search the food items. | I can get the notification, related to my search. | High | Sprint-3 |
|  | Shown the nutrition details | USN-7 | As a user, I can scan the food. | I can get the nutrition details of the scanned food. | High | Sprint-4 |
|  | Receipe shown | USN-8 | As a user,I want to get the receipe for the scanned food. | I can get the receipe about the food. | Low | Sprint-4 |