**Requirement Gathering and Analysis Phase**

**Data Flow Diagram & User Stories**

|  |  |
| --- | --- |
| Date |  |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Project - xxx |
| Maximum 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.

Diagram

Description automatically generated

**User Stories**

| **User Type** | **Functional Requirement** | **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 |
|  | Login | USN-2 | As a user, I can log into the application by entering email & password. | I can access my account/dashboard | High | Sprint-1 |
|  | Dashboard | USN-3 | As a user, I can view my personalized dashboard with grocery recommendations. | I can see personalized grocery recommendations | Low | Sprint-2 |
|  | Place Order Page | USN-4 | As a user, I can search and browse for grocery items. | I can find and select grocery items | Medium | Sprint-1 |
|  | Home Page | USN-5 | As a user, I can add items to my cart and view my cart. | I can see my selected items in the cart | High | Sprint-1 |
|  | Cart Page | USN-6 | As a user, I can proceed to checkout and make a payment. | I can complete the purchase transaction | High | Sprint-2 |
|  | Store Context | USN-7 | As a user, I receive notifications for order status updates and promotions. | I get notifications for order updates and promotions | Low | Sprint-2 |
| Customer Care Executive | Tracking | USN-8 | As a user, I can leave feedback and rate my shopping experience. | I can provide feedback and rate my experience | High | Sprint-2 |
| Administrator | Admin Panel | USN-9 | As an admin, I can manage user accounts and view user activity logs. | I can manage user accounts and monitor activities | High | Sprint-2 |
|  | Payment Integration | USN-10 | As a user, I can securely make payments using various payment methods. | I can make secure payments | High | Sprint-2 |
|  | Food Model | USN-11 | As a user, I can view detailed information about each grocery item, including nutritional facts. | I can see detailed item information | Medium | Sprint-3 |
|  | Food Control | USN-12 | |  | | --- | |  |  |  | | --- | |  |   As an admin, I can manage the inventory and update the availability of grocery items. | I can manage and update inventory | Medium | Sprint-3 |
|  | Middleware | USN-13 | |  | | --- | |  |  |  | | --- | | As a developer, I can ensure secure data transfer between the application and the database. | | Secure data transfer is in place | High | Sprint-3 |
|  | CRUD Operations using API | USN-14 | As a developer, I can create, read, update, and delete user and grocery data via API endpoints. | CRUD operations are functional | High | Sprint-3 |