

PROJECT PLANNING PHASE

Project Planning (Product Backlog, Sprint Planning, Stories and Story points)

| | |
|--------------|--|
| Date | 18 February 2026 |
| Team ID | LTVIP2026TMIDS47401 |
| Project Name | ShopSmart: Your Digital Grocery Store Experience |

Product Backlog, Sprint Schedule, and Estimation:

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Member |
|--------|-------------------------------|-------------------|--|--------------|----------|---------------|
| 1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming password. | 2 | High | Kolli Mounika |
| 1 | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered. | 1 | High | Kolli Mounika |
| 1 | Registration (Social Media) | USN-4 | As a user, I can register for the application through Gmail. | 2 | Medium | Kolli Mounika |
| 1 | Login | USN-5 | As a user, I can log in by entering email & password. | 1 | High | Kolli Mounika |
| 2 | Registration (Social Media) | USN-3 | As a user, I can register through Facebook. | 2 | Low | Kolli Mounika |
| 2 | Product Browsing | USN-6 | As a user, I can search and filter products by category. | 3 | High | Kolli Mounika |
| 2 | Cart Management | USN-7 | As a user, I can add items to the cart and adjust quantity. | 3 | High | Kolli Mounika |
| 2 | Checkout | USN-8 | As a user, I can place an order and choose payment options. | 4 | High | Kolli Mounika |
| 2 | Order Tracking | USN-9 | As a user, I can track the order status. | 2 | Medium | Kolli Mounika |
| 2 | Admin Management | USN-10 | As an admin, I can approve sellers and manage users. | 2 | Medium | Kolli Mounika |

Planning Overview:

In order to successfully execute the **ShopSmart** grocery web application, our development team adopted an **Agile Scrum methodology**. The project was broken down into multiple sprints, each lasting 5 days, allowing us to incrementally deliver features with consistent feedback and measurable progress.

Each sprint focused on well-defined **epics** (functional requirements) which were further broken down into **user stories** to ensure clarity, ownership, and precise effort estimation. Using **story points**, we gauged the complexity and effort for each task, while assigning priorities and distributing work among team members based on their expertise.

The above table outlines the detailed sprint plan, highlighting the epics, user stories, assigned members, priorities and estimated effort in terms of story points.