Project Planning Phase

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

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| Date | 19 June 2025 |
| Team ID | LTVIP2025TMID51764 |
| Project Name | ShopSmart: Your Digital Grocery Store  Experience |

Product Backlog, Sprint Schedule, and Estimation:

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| --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Sprint | Functional  Requirement (Epic) | User  Story  Number | User Story / Task | Story Points | Priority | Team Member |
| 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 following table outlines the detailed sprint plan, highlighting the epics, user stories, assigned members, priorities, and estimated effort in terms of story points.