

Project Planning Phase

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

Date	20 Feb 2026
Team ID	LTVIP2026TMIDS91056
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	8 Marks

Overview:

Project planning outlines the tasks, priorities, and development schedule required to successfully build the ShopSmart grocery web application. Agile methodology is used to organize work into sprints, ensuring continuous progress, collaboration, and timely delivery of features.

Product Backlog:

The product backlog contains all features and tasks required for the development of the system, prioritized based on importance and user value.

Backlog ID	Feature / Task	Priority	Description
PB1	User Registration & Login	High	Allow users to create accounts and log in securely
PB2	Product Browsing	High	Display products by categories
PB3	Search Functionality	High	Enable users to search products
PB4	Cart Management	High	Add/remove products from cart

Backlog ID	Feature / Task	Priority	Description
PB5	Checkout & Payment	High	Secure payment processing
PB6	Order Tracking	Medium	Track order status
PB7	Seller Product Management	Medium	Manage product listings
PB8	Inventory Management	Medium	Track stock availability
PB9	Admin Dashboard	Medium	Monitor system activities
PB10	Feedback & Ratings	Low	Allow users to give feedback

Sprint Planning:

The project is divided into multiple sprints to ensure incremental development and testing.

Sprint 1 — Core Setup

Duration: 2 Weeks

Goals:

- Setup development environment

- Implement user authentication
- Create basic UI layout

Tasks:

- Configure backend framework
 - Design database schema
 - Build login and registration pages
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Sprint 2 — Product Features

Duration: 2 Weeks

Goals:

- Implement product browsing and search

- Develop cart functionality

Tasks:

- Create product listing pages
 - Implement search functionality
 - Add cart management features
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Sprint 3 — Order & Payment

Duration: 2 Weeks

Goals:

- Implement checkout process
- Integrate payment functionality

- Enable order tracking

Tasks:

- Develop checkout module
 - Implement payment gateway integration
 - Create order tracking system
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Sprint 4 — Admin & Testing

Duration: 2 Weeks

Goals:

- Develop admin dashboard
- Conduct system testing

- Fix bugs and optimize performance

Tasks:

- Build admin features
 - Perform testing
 - Prepare documentation
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User Stories

Customer Stories

- As a customer, I want to create an account so that I can shop online.
- As a customer, I want to browse products so that I can select items easily.
- As a customer, I want to add items to my cart so that I can manage purchases.

- As a customer, I want secure payment options so that my transactions are safe.
- As a customer, I want to track orders so that I know delivery status.

Seller Stories

- As a seller, I want to manage product listings so that inventory is updated.
- As a seller, I want to view orders so that I can fulfill them efficiently.

Admin Stories

- As an admin, I want to monitor system performance so that operations run smoothly.
 - As an admin, I want to manage users so that the platform remains secure.
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Story Points Estimation

Story points estimate the effort required for each feature.

Feature	Story Points
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User Authentication	5
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Product Browsing	5
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Search Functionality	3
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Cart Management	5
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Checkout & Payment	8
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Order Tracking	5
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Seller Management	5
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Admin Dashboard	5
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Feedback System	3
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Expected Deliverables

- Fully functional grocery web application
- Tested and validated features

- Project documentation
- Deployment-ready system