

Project Planning Phase

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

Date	10 AUGUST 2025
Team ID	PNT2025TMID10192
Project Name	Project Understanding Grocery web page
Maximum Marks	8 Marks

PROJECT PLANNING PHASE

Product Backlog

ID	Feature / Requirement	Description	Priority	Story Points
PB-01	Product Catalog Management	Add, edit, and delete grocery products with images and categories.	High	8
PB-02	User Registration & Login	Allow customers to create accounts and log in securely.	High	5
PB-03	Shopping Cart	Add products to cart, update quantities, and remove items.	High	8
PB-04	Checkout & Payment	Implement billing and multiple payment options (cash, card, UPI).	High	13
PB-05	Inventory Tracking	Real-time stock management and low-stock alerts.	Medium	8
PB-06	Discount & Offer Management	Add promotional offers and coupon codes.	Medium	5
PB-07	Order History & Tracking	Customers can view past orders and track deliveries.	Medium	8
PB-08	Admin Dashboard	Manage orders, view analytics, and generate reports.	High	13
PB-09	Responsive Design	Make the system mobile-friendly.	Medium	5
PB-10	Security Features	Secure payment gateway and data encryption.	High	8

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Sprint Planning

We'll plan **3 sprints**, each 2 weeks long.

Sprint 1 (Weeks 1–2)

- PB-01 Product Catalog Management (8 SP)
- PB-02 User Registration & Login (5 SP)
- PB-03 Shopping Cart (8 SP)

Sprint 2 (Weeks 3–4)

- PB-04 Checkout & Payment (13 SP)
- PB-05 Inventory Tracking (8 SP)
- PB-06 Discount & Offer Management (5 SP)

Sprint 3 (Weeks 5–6)

- PB-07 Order History & Tracking (8 SP)
- PB-08 Admin Dashboard (13 SP)
- PB-09 Responsive Design (5 SP)
- PB-10 Security Features (8 SP)

User Stories

1. **As a customer**, I want to browse grocery products so that I can easily find what I need. *(PB-01, 8 SP)*
2. **As a customer**, I want to register and log in so that I can track my orders. *(PB-02, 5 SP)*
3. **As a customer**, I want to add items to my cart and adjust quantities so that I can manage my purchases. *(PB-03, 8 SP)*

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4. **As a customer**, I want to pay using different payment methods so that I can choose my preferred option. *(PB-04, 13 SP)*
5. **As a store manager**, I want to receive low-stock alerts so that I can restock on time. *(PB-05, 8 SP)*
6. **As a customer**, I want to use coupons and discounts so that I can save money. *(PB-06, 5 SP)*
7. **As a customer**, I want to check my order history so that I can reorder easily. *(PB-07, 8 SP)*
8. **As an admin**, I want to view reports and analytics so that I can make business decisions. *(PB-08, 13 SP)*
9. **As a customer**, I want the website to work on my phone so that I can shop on the go. *(PB-09, 5 SP)*
10. **As a user**, I want my payment and data to be secure so that I can shop with confidence. *(PB-10, 8 SP)*

Reference

https://youtu.be/Mip_RuSEoso?si=jZYvgT9oDguhCOES

<https://youtu.be/EPNWxjriRuI?si=q4i70KjKZ2WY9ePA>

<https://youtu.be/UjAbsItMPRY?si=7MIQNhiqx75ypi8W>

<https://youtu.be/faYeBCNcqBk?si=4Dj1cDG121QVFicY>

https://youtu.be/ZKeuoK1PvPY?si=Al_98m3qypviCWWa

<https://youtu.be/d7jWB59bwnQ?si=r63zedZrGfXBN5-N>

<https://youtu.be/3xHrMwy-Y5A?si=ex40KA1YbhgQJCGR>