Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	17 June 2025
Team ID	LTVIP2025TMID51358
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint-1	User Authentication	USN-1	"As a user, I can register for the application by entering my email, password, and confirming my password."	2	High	Dharma Teja

Sprint-1	User Authentication	USN-2	"As a user, I can log into the application by entering email & password."	1	High	Dharma Teja
Sprint-1	User Authentication	USN-3	"As a user, I will receive confirmation email once I have registered for the application."	1	High	Dharma Teja
Sprint-1	Product Browsing	USN-4	"As a user, I can view a list of all available products on the homepage/catalog."	3	High	Sumanth

Sprint	Module	USN	User Story	Points	Priority	Assignee
Sprint-1	Product Browsing	USN-5	"As a user, I can view detailed information for a specific product."	2	High	Sumanth
Sprint-1	Shopping Cart	USN-6	"As a user, I can add a product to my shopping cart."	3	High	Nawaz
Sprint-1	Shopping Cart	USN-7	"As a user, I can view the items currently in my shopping cart."	2	High	Nawaz
Sprint-2	Shopping Cart	USN-8	"As a user, I can update the quantity of an item in my shopping cart."	2	High	Nawaz

Sprint-2	Shopping Cart	USN-9	"As a user, I can remove an item from my shopping cart."	1	High	Nawaz
Sprint-2	Order Management	USN-10	"As a user, I can proceed to checkout and place an order for items in my cart."	5	High	Adarsh
Sprint-2	Order Management	USN-11	"As a user, I can view my order history."	3	Medium	Adarsh
Sprint-2	Admin Features	USN-12	"As an admin, I can log into the application's admin panel."	2	High	Dharma Teja

Sprint-2	Admin Features	USN-13	"As an admin, I can view a list of all registered users."	3	Medium	Dharma Teja
Sprint-3	Admin Features	USN-14	"As an admin, I can add a new product to the inventory."	5	High	Sumanth
Sprint-3	Admin Features	USN-15	"As an admin, I can update the details of an existing product."	3	High	Sumanth
Sprint-3	Admin Features	USN-16	"As an admin, I can delete a product from the inventory."	2	Medium	Sumanth

Sprint-3	Product Browsing	USN-17	"As a user, I can search for products by name or description."	5	High	Sumanth
Sprint-3	Product Browsing	USN-18	"As a user, I can filter products by category."	3	Medium	Sumanth
Sprint-4	Admin Features	USN-19	"As an admin, I can update the status of customer orders."	5	Medium	Adarsh
Sprint-4	Admin Features	USN-20	"As an admin, I can add/edit product categories."	3	Low	Sumanth

Sprint-4	User Authentication	USN-21	"As a user, I can register for the application through Facebook."	2	Low	Dharma Teja
Sprint-4	User Authentication	USN-22	"As a user, I can register for the application through Gmail."	2	Medium	Dharma Teja
Sprint-4	Dashboard	USN-23	"As a user, I can view a personalized dashboard with recent orders and recommended products."	8	High	Adarsh

Project Velocity & Chart: (4

Tracker, Burndown Marks)

Sprint	Total Story Points (Planned)	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	14	1day	17-June-25	18-June-25	14	17-June-25
Sprint-2	17	2day	18-June-25	20-June-25	17	18-June-25
Sprint-3	18	2 Days	20-june-25	22-June-25	18	18-June-25
Sprint-4	18	2 Days	22-June-25	24-June-25	18	18-june-25
Total	**67**	-	-	-	**67**	

Calculation:

- **Total Story Points Completed Across Sprints:** 14(Sprint1)+17(Sprint2)+18(Sprint3)+18(Sprint4)=67 Story Points
- **Number of Sprints:** 4 Sprints

Velocity = Total Story Points Completed / Number of Sprints Velocity = 67/4=16.75 Story Points per Sprint

Conclusion: Your team's average velocity is **16.74 Story Points per Sprint.** This means, on average, the team can complete 16 Story Points worth of work in each 6-day sprint. This metric can be used to forecast how many sprints might be needed for upcoming features or to estimate the capacity for future sprint planning.

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

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https://www.atlassian.com/agile/tutorials/burndown-charts