

Project Planning Phase

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

Date	29 June 2024
Team ID	SWTID1720199985
Project Name	Grocery Webapp
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (2 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my name, email, password, and confirming my password.	2	High	Pujitha,Hima Sruthi
Sprint-1		USN-2	As a user, I can register for the application through Gmail	2	Medium	Moulika,Lohith
Sprint-1	Login	USN-3	As a user, I can log into the application by entering my email & password	1	High	Pujitha,Hima Sruthi
Sprint-2	Search	USN-4	As a user, I can search for products by name.	3	High	Moulika,Lohith
		USN-5	As a user, I can filter search results by category and price range.	3	High	Pujitha,Hima Sruthi
Sprint-3	Cart Management	USN-6	As a user, I can add items to my cart.	2	High	Moulika,Lohith
		USN-7	As a user, I can view and edit items in my cart.	3	High	Pujitha,Hima Sruthi
Sprint-4	Checkout	USN-8	As a user, I can securely complete the checkout process.	5	High	Moulika,Lohith
Sprint-5	Customer Support	USN-9	As a user, I can contact customer support through chat, email, or phone	3	High	Pujitha,Hima Sruthi
Sprint-6	Payment Options	USN-10	As a user, I can save multiple payment methods for quick checkout.	3	High	Moulika,Lohith

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-11	As a user, I can choose from various payment options, including credit card, debit card, and digital wallets	3	Medium	Pujitha,Hima Sruthi

Project Tracker, Velocity & Burndown Chart: (2 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	2 Days	2024-06-25	2024-06-27	4	2024-06-27
Sprint-2	6	2 Days	2024-06-28	2024-06-30	6	2024-06-30
Sprint-3	5	2 Days	2024-07-01	2024-07-03	6	2024-07-03
Sprint-4	5	2 Days	2024-07-04	2024-07-06	7	2024-07-06
Sprint-5	3	2 Days	2024-07-07	2024-07-09	-	-
Sprint-6	6	2 Days	2024-07-10	2024-07-10	-	-

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

A burndown 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.



