

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID17806
Project Name	Smart Fashion Recommender Application
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	Registration	USN – 1	As a new user, I can register a new account using username, password, confirm password and email address	2	High	Rohith, Aldrin
Sprint - 2		USN – 2	As a new user, I should receive confirmation email once I have registered for the application	1	Medium	Rohith, Aldrin
Sprint – 3		USN – 3	As a new user, I can login through gmail, Facebook	1	Low	Rohith, Aldrin
Sprint – 1	Login	USN - 4	As an existing user, I can login to the application using username and password	2	High	Joshua, Rohith
Sprint – 3		USN – 5	As an existing user, I can login using other application logins like gmail, Facebook	1	Low	Joshua, Rohith
Sprint - 1	Chatbot	USN – 6	As a user, I can view chatbot and its conversations	2	High	Joshua
Sprint – 2		USN – 7	As a user, I get recommendations from the chatbot based on my preferences	2	High	Joshua, Amirtharaj
Sprint - 1	User Dashboard	USN – 8	As a user, I can view the list of the products available in the application.	2	High	Rohith, Aldrin
Sprint – 3		USN – 9	As a user, I need notifications of recently added products.	1	Medium	Rohith, Amirthara
Sprint - 1	Admin Dashboard	USN - 10	As a Admin, I can add, remove and update the products into the database.	2	High	Rohith, Aldrin

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint – 4	Notifications	USN – 11	As a user, I must get notifications and alerts about the updates in products.	2	Medium	Joshua, Rohith
Sprint – 4	Delivery	USN – 12	Containerize the Application and deploy the application in cloud	2	High	Joshua, Amirtharaj

Project Tracker, Velocity & Burndown Chart: (4 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	10	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		

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 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.

