

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID38230
Project Name	Smart Fashion Recommender System
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 And initial Operation	USN-1	As a user, I can register to the application by entering my email, password, and confirm password or directly login through google API and Facebook.	10	High	Vikram, Vijay
Sprint-1	OTP Registration Based	USN-2	As a user once I registered the application, I would receive the OTP for confirming my account.	5	High	Ashwin, Shravan, Vishal
Sprint-1	Interactive Home Page	USN-3	As a user, I can see variety of products and click separate categories on the home page.	15	High	Vijay, Ashwin
Sprint-2	Profile and Order Details	USN-4	As a user, can easily access and edit the profile, order, and shopping cart.	3	High	Vikram, Shravan, Vishal
Sprint-2	Reviews Details	USN-5	As a user, able to see each product, their reviews separately.	1	High	Vijay, Shravan
Sprint-2	Chat bot services	USN-6	As a user, I can interact with the chatbot service for tracking my required product.	3	High	Vikram, Ashwin, Vishal
Sprint-3	Payment System	USN-7	User can able to pay the amount through variety of methods.	3	Medium	Vikram, Vishal, Shravan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Seller Account	USN-8	As a seller, can list and add his product request to the admin.	2	Medium	Vijay, Ashwin
Sprint-3	Track the shipped Items	USN-9	As a user, able to track the shipped order.	2	Medium	Ashwin, Shravan, Vishal
Sprint-4	Admin page and keep track of the application	USN-10	As an admin, able to keep track of the products and their availabilities.	3	High	Vikram, Vijay, Shravan
Sprint-4	Admin can validate the sellers and customers	USN-11	As an admin, need to validate the customers and sellers.	2	High	Vishal, Vikram
Sprint-4	Admin could view the recommendation of the customers	USN-12	Able to obtain the customer interest and do recommendation changes in the chat bot.	3	Low	Ashwin, Vijay, Vishal

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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.

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

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