

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID38614
Project Name	Project - 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 user, I can register for the application by entering my email, password, and confirming my password.	2	High	Varshavarthini.R Pavithra. N
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Varshavarthini. R Vidhya. S
Sprint-2	User Panel	USN-3	As a user, I can register for the application through Facebook	2	Low	Sangeetha. R Vidhya. S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Varshavarthini. R Sangeetha. R
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Pavithra. N Sangeetha.R
Sprint-3	Admin Panel	USN-6	The Role of Admin is to check out the database about the stock and have a track of all the things that the users are purchasing.	2	High	Varshavarthini. R Pavithra. N
Sprint-4	Chat bot	USN-7	The User can directly talk to chatbot regarding the products. Get the recommendations based on information provided by the user.	2	High	Sangeetha. R Vidhya. S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Final Delivery	USN-8	Container of application using docker kubermetes and deployment the application. Create the documentation and final submission of the project.	2	Medium	Varshavarthini.R Vidhya. S
Sprint-2	Dashboard	USN-9	As the user, i can enter income and expenditure details.	2	Medium	Sangeetha. R Vidhya. S
Sprint-3	Admin	USN-10	As an admin, i can upgrade or update the application	3	Medium	Pavithra. N Sangeetha. R

#### 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	7	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	9	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

**Average Velocity:**

**Average points per sprint =(7+8+9+10)/4 =8.5**

**Story points per day/Average Velocity = 8.5/6=1.41**

**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.

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