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

Date	29 October 2022
Team ID	PNT2022TMID31571
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	UI Creation, Creating Registration page, Login page.	10	Medium	CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L
Sprint-1	Database Connectivity	USN-2	Viewing Products and Connecting UI with Database.	10	High	CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L
Sprint-2	Send Grid Integration	USN-3	Send Grid Integration with python code.	10	Low	CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L
Sprint-2	Chatbot Development	USN-4	Building a chatbot.	10	High	CASSANDRA MARIA MURPHY, DEEPIKA D ,

| Sprint-3 | Integration and Containerization | USN-5 | Integrating chatbot to the HTML page and containerizing the app. | 20 | Medium | DHANUSHIYA K , KEERTHANA P L

CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |
| Sprint-4 | Upload Image and deployment | USN-6 | Upload the image to the IBM Registry and deploy it in the Kubernetes Cluster. | 20 | High | CASSANDRA MARIA MURPHY, DEEPIKA D , DHANUSHIYA K , KEERTHANA P L |

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	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)

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

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

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

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

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