

Project Planning Phase

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

Date	1 November 2022
Team ID	PNT2022TMID28891
Project Name	Smart Fashion Recommender Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Interface	USN-1	Creating UI with sign-up, sign-in page	10	High	Kaviya.C, Keertika.N
Sprint-1	Database connectivity using IBM DB2	USN-2	Collecting user information, products details and connecting with the back end	10	High	Charumathi.K.J, Shwetha.S
Sprint-2	Grid Integration	USN-3	Notifications and other information should be mailed to use hence integrate application and email using grids in python	10	Low	Kaviya.C, Keertika.N
Sprint-2	Chatbot Development	USN-4	Building a chatbot using IBM Watson Assistant	10	Medium	Charumathi.K.J, Shwetha.S
Sprint-3	Containerization of application	USN-5	Integration of chatbot to the HTML pages and containerizing the app	20	High	Kaviya.C, Keertika.N
Sprint-4	Upload images and Deployment in Kubernetes	USN-6	All the required images are uploaded to the IBM Registry and deployed in the Kubernetes Cluster	20	High	Charumathi.K.J, Shwetha.S

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)

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