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

Date	26 October 2022
Team ID	PNT2022TMID45907
Project Name	Project - Smart Fashion Recommender Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint-1	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	Sathishkumar S Ramakrishnan s
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Selvaganapathi S Rajagopal M
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Sathishkumar S Rajagopal M
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Rajagopal M Selvaganapathi S
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Ramakrishnan S Sathishkumar S

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Rajagopal M Selvaganapathi S
Sprint-3		USN-7	As a user, I Create IBM DB2 andconnect with Python	3	High	Rajagopal M
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will integrating sendgridwith python code	2	High	Ramakrishnan S Sathishkumar S
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and Integrate to application	1	Medium	Selvaganapathi S
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Sathishkumar S
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Rajagopal M
Sprint-4		USN-12	As a user, I will deploy App in Kebernetes cluster	3	High	Ramakrishnan S
Sprint-4	User panel		As a user ● Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	Ramakrishnan S Sathishkumar S Selvaganapathi S Rajagopal M

Project Tracker, Velocity & Burndown Chart

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	18	6 Days	24 Oct 2022	29 Oct 2022	24	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	24	05 Nov 2022
Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	24	12 Nov 2022
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	24	19 Nov 2022

Velocity

Imagine we have a 6-day sprint duration, and the velocity of the team is 18(points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$AV = 24/6 = 4$$

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.