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

Date	14 November 2022
Team ID	PNT2022TMID27550
Project Name	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	Teresa H
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Gokula Priya R
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Mariya Chrispin Sharmina A
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Shekinah Dorothy A
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Teresa H

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Gokula Priya R
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	Shekinah Dorothy A
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will integrating sendgrid with python code	2	High	Mariya Chrispin Sharmina A
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and Integrate to application	1	Medium	Gokula Priya R
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Mariya Chrispin Sharmina A
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Shekinah Dorothy A
Sprint-4		USN-12	As a user, I will deploy App in Kebernetes cluster	3	High	Teresa H
Sprint-4	User panel		As a user ● Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	Gokula Priya R

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	31 Oct 2022	05 Nov 2022	24	29 Oct 2022
Sprint-2	18	6 Days	09 Oct 2022	15 Nov 2022	24	05 Nov 2022
Sprint-3	18	6 Days	02 Nov 2022	08 Nov 2022	24	12 Nov 2022
Sprint-4	18	6 Days	08 Nov 2022	14 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)

$$AV = Sprint\ Duration\ /\ Velocity$$

$$AV = 24/6 = 4$$

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.

Goal : 80 hours in 4 weeks
Burndown Chart