PROJECT PLANNING PHASE

SPRINT DELIVERY PLAN

Team ID	PNT2022TMID18407
Project Name	Smart Fashion Recommender Application

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	Kalavathi.P Bhavadharani.P
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Akshaya.C Sree Priya dharshni.S.V
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Kalavathi.P Akshaya.C
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Bhavadharani.P Sree Priya dharshni.S.V
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Akshaya.C Sree Priya dharshni.S.V Kalavathi.P Bhavadharani.P

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Akshaya.C Sree Priya dharshni.S.V Kalavathi.P Bhavadharani.P
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	Bhavadharani.P Sree Priya dharshni.S.V
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will be integrating sendgrid with python code	2	High	Akshaya.C Sree Priya dharshni.S.V Kalavathi.P Bhavadharani.P
Sprint-3	Developing a chatbot	USN-9	As a user, I must build a chatbot and integrate to application	1	Medium	Akshaya.C Sree Priya dharshni.S.V Kalavathi.P Bhavadharani.P
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Kalavathi.P Akshaya.C
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Bhavadharani.P Sree Priya dharshni.S.V
Sprint-4		USN-12	As a user, I will deploy App in Kubernetes cluster	3	High	Kalavathi.P Bhavadharani.P

Sprint-4	User panel		As a user ● Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	Akshaya.C Sree Priya dharshni.S.V Kalavathi.P Bhavadharani.P

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)

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

$$AV = 24/6 = 4$$

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 6 days
Burndown Chart

Effort hours ( )

Remaining (Days)

Actual Effort

Estimated Effort