

Sprint Delivery Plan

Date	18 October 2022
Team ID	PNT2022TMID32325
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	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	KRITHIKA.I KEERTHANA.A
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	MOHAMAD UVAIS
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	LOGESHWARI R
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	KEERTHANA.A LOGESHWARI R
Sprint-2		USN-5	As a user, I will Create an account in SendGrid	2	Medium	KRITHIKA.I KEERTHANA.A

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	KRITHIKA I KEERTHANA A LOGESHWARI R MOHAMAD UVAIS
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	KRITHIKA I KEERTHANA A LOGESHWARI R
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will be integrating sendgrid with python code	2	High	KRITHIKA I KEERTHANA A LOGESHWARI R MOHAMAD UVAIS
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and integrate to application	1	Medium	KRITHIKA I KEERTHANA A LOGESHWARI R MOHAMAD UVAIS
Sprint-3	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	KRITHIKA I KEERTHANA A LOGESHWARI R
Sprint-3		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	KRITHIKA I KEERTHANA A MOHAMAD UVAIS
Sprint-3		USN-12	As a user, I will deploy App in Kubernetes cluster	3	High	KRITHIKA I KEERTHANA A LOGESHWARI R
Sprint-4	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	KRITHIKA I KEERTHANA A MOHAMAD UVAIS
Sprint-4		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	LOGESHWARI R

Sprit-4		USN-3	As a user, I can register for the application through Facebook	2	Low	KEERTHANA A
Sprit-4		USN-4	As a user, I can register for the application through Gmail	2	Medium	KRITHIKA I
Sprit-4		USN-5	As a user, I can log into the application by entering email & password	1	High	MOHAMAD UVAIS

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.

