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

Date	30 October 2022
Team ID	PNT2022TMID19945
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	Shaamik J Sudhashini S
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Nikhila J Sudhashini S
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Shaamik J Sudhashini S Nikhila J
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Yogeswaran S Vigneshwaran M
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Vigneshwaran M Sudhashini S

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

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.

Goal : 80 hours in 4 weeks

Burndown Chart

Effort(hours)

90

80 — Setting up App Environment

70

60 — Integrating sendgrid service

50 — Developing a chatbot

—— Actual Effort

40

—— Estimated Effort

30

20 — Implementing web App

10 — Deployment of app in IBM Cloud

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| Oct 24 - 29 Week 1 | Oct 31 – Nov 05 Week 2 | Nov 07 – 12 Week 3 | Nov 14 – 19 Week 4 |

Remaining (Days)