Project Planning Phase

Date	18 October 2022
Team ID	PNT2022TMID30883
Project Name	Skill and Job 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	KEERTHANA V,GOWSIKA P,INDHUSRI A
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	KEERTHANA V,GOWSIKA P,LATHA M,INDHUSRI A
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	KEERTHANA V,LATHA M,INDHUSRI A
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	LATHA M,INDHUSRI A,KEERTHANA V
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	KEERTHANA V,GOWSIKA P,LATHA M,INDHUSRI A

Sprint		USN	User Story			
Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	KEERTHANA V,LATHA M,INDHUSRI A
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	KEERTHANA V,GOWSIKA P,INDHUSRI A
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will integrating sendgrid with python code	2	High	GOWSIKA P,LATHA M,INDHUSRI A
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and Integrate to application	1	Medium	KEERTHANA V,GOWSIKA P,LATHA M
Sprint-3	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	KEERTHANA V,LATHA M,INDHUSRI A
Sprint-3		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	KEERTHANA V,LATHA M,INDHUSRI A
Sprint-3		USN-12	As a user, I will deploy App in Kebernetes cluster	3	High	KEERTHANA V,GOWSIKA P,LATHA M,INDHUSRI A
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	KEERTHANA V,GOWSIKA P
Sprit-4		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	KEERTHANA V,GOWSIKA P

Sprit-4		USN-3	As a user, I can register for the application through Facebook	2	Low	GOWSIKA P,LATHA M,INDHUSRI A
Sprit-4		USN-4	As a user, I can register for the application through Gmail	2	Medium	KEERTHANA V,GOWSIKA P,INDHUSRI A
Sprit-4		USN-5	As a user, I can log into the applicationby entering email & password	1	High	GOWSIKA P,LATHA M,INDHUSRI A

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)

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

$$AV = 24/6 = 4$$

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.