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

Date	10 November 2022
Team ID	PNT2022TMID34766
Project Name	News Tracker 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	DELBIN D B ASHFAQ AHMAD P
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	DANIEL ASHIK A SHYJAN T
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	DANIEL ASHIK A ASHFAQ AHMAD P
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	SHYJAN T DELBIN D B

Sprint-2		USN-5	As a user, I will Create an account in SendGrid	2	Medium	DELBIN D B ASHFAQ AHMAD P

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	DANIEL ASHIK A SHYJAN T
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	DANIEL ASHIK A ASHFAQ AHMAD P
Sprint-3	Integrating SendGrid service	USN-8	As a user, I will be integrating SendGrid with python code	2	High	SHYJAN T ASHFAQ AHMAD P
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and integrate to application	1	Medium	SHYJAN T DELBIN D B
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	ASHFAQ AHMAD P
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	SHYJAN T
Sprint-4		USN-12	As a user, I will deploy App in Kubernetes cluster	3	High	DELBIN D B

Sprint-4	User panel		As a user ●Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	DELBIN D B ASHFAQ AHMAD P DANIEL ASHIK A SHYJAN T

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 burndown 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