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

Date	23 October 2022
Team ID	PNT2022TMID29362
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	Aadhavan P Vijay R
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Manojkumar K Mohamed Musthapa N
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Aadhavan P Manojkumar K
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Aadhavan P Vijay R
Sprint-2		USN-5	As a user, I will Create an account in SendGrid	2	Medium	Manojkumar K Mohamed Musthapa N

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Vijay R Mohamed Musthapa N
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	Vijay R
Sprint-3	Integrating SendGrid service	USN-8	As a user, I will be integrating SendGrid with python code	2	High	Manojkumar K
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and integrate to application	1	Medium	Aadhavan P
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Mohamed Musthapa N
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Vijay R
Sprint-4		USN-12	As a user, I will deploy App in Kubernetes cluster	3	High	Mohamed Musthapa N
Sprint-4	User panel		As a user ● Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	Aadhavan P Vijay R Manojkumar K Mohamed Musthapa N

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

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