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

Date	18 October 2022
Team ID	PNT2022TMID04859
Project Name	Project - News Tracker
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registeration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Ragavendra Vigneshwaran R, Ranjitha K
Sprint-1	Email Verification	USN-3	As a user I can verify my email using the link sent to my mailid	5	High	Ranjani S M, SakthiKarthi Lingam M P
Sprint-2	API Fetch	USN-4	Fetch News from Rapid API at regular interval	10	High	Ragavendra Vigneshwaran R, Ranjitha K
Sprint-2	REST Endpoints for backend	USN-5	Creating endpoints at the backend inorder to interact with frontend	10	Medium	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Designing Frontend	USN-6	Create a minimalisting design in figma to create frontend	2	Medium	Ranjani S M, SakthiKarthi Lingam M P
Sprint-3	Creating Frontend	USN-7	Create the frontend webpage using the design	10	Low	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P
Sprint-3	Connect frontend and backend	USN-8	Connect the frontend and backend and complete the application	8	High	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P, Ranjani S M, Ranjitha K
Sprint-4	Testing	USN-9	Testing the application before final release	10	High	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P, Ranjani S M, Ranjitha K
Sprint-4	Deployment	USN-10	Deployment of the application	10	High	Ragavendra Vigneshwaran R, Sakthi Karthi Lingam M P, Ranjani S M, Ranjitha K

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts