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

Date	26 October 2023
Team ID	SI-GuidedProject-587104-1696656485
Project Name	An Android Application for Keeping Up with the Latest Headlines
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	2	High	
Sprint-1	Login	USN-3	As a user, I can log into the application by entering my username and password.	2	High	
Sprint-1	Dashboard	USN-4	As a user, I want to read news articles on various topics.	3	High	
Sprint-2		USN-5	As a user, I want to search for specific news articles using keywords.	1	High	
Sprint-3		USN-6	As a user, I want to share news articles on social media	3	Medium	
Sprint-2		USN-7	As a user, I want to receive notifications about breaking news.	3	Medium	
Sprint-2		USN-8	As a user, I want to add chosen news articles into a label "Favourites".	2	High	
Sprint-2		USN-9	As a user, I want to access "Favourites" news articles.	2	High	

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	10	7 Days	24 Oct 2023	31 Oct 2023	10	02 Nov 2023
Sprint-2	8	6 Days	01 Nov 2023	06 Nov 2023		
Sprint-3	3	3 Days	07 Nov 2023	10 Nov 2023		

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)

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

Velocity :

- Sprint-1:
    - Total Story Points: 10
    - Duration: 7 days
    - Velocity = 10 / 7 = 1.43 (approximately)
- Sprint-2:
    - Total Story Points: 8
    - Duration: 6 days
    - Velocity = 8 / 6 = 1.33 (approximately)
- Sprint-3:
    - Total Story Points: 3
    - Duration: 3 days
    - Velocity = 3 / 3 = 1

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.