

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)

| 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 | Aarush Jain |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 2 | High | Aarush Jain |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering my username and password. | 2 | High | Sanjana SivaKumar |
| Sprint-1 | Dashboard | USN-4 | As a user, I want to read news articles on various topics. | 3 | High | Siddhi Kadam |
| Sprint-2 | | USN-5 | As a user, I want to search for specific news articles using keywords. | 1 | High | Hemantha Kumar Karthikeya |
| Sprint-3 | | USN-6 | As a user, I want to share news articles on social media | 3 | Medium | Aarush Jain |
| Sprint-2 | | USN-7 | As a user, I want to receive notifications about breaking news. | 3 | Medium | Siddhi Kadam |
| Sprint-2 | | USN-8 | As a user, I want to add chosen news articles into a label "Favourites". | 2 | High | Hemantha Kumar Karthikeya |
| Sprint-2 | | USN-9 | As a user, I want to access "Favourites" news articles. | 2 | High | Sanjana SivaKumar |

Use the below template to create product backlog and sprint schedule

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)

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

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.



