**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)



**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

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