**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 22 June 2024 |
| Team ID | SWTID1720026558 |
| Project Name | BOOK A DOCTOR USING MERN |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (2 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. | 2 | High | Aadya |
| Sprint-1 |  | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 1 | High | Aadya |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail. | 2 | Medium | Snigdha |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook. | 2 | Low | Naveen, Mihir |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password. | 1 | High | Aadya |
| Sprint-2 | Dashboard | USN-6 | As a user, I can see an overview of my account and recent activity. | 3 | High | Snigdha |
| Sprint-2 |  | USN-7 | As a user, I can view and edit my profile information. | 2 | Medium | Snigdha |
| Sprint-3 | Doctor Search | USN-8 | As a user, I can search for doctors by specialty, location, and availability. | 3 | High | Aadya |
| Sprint-3 |  | USN-9 | As a user, I can view detailed profiles of doctors, including reviews and ratings. | 3 | Medium | Naveen, Mihir |
| Sprint-3 |  | USN-10 | As a user, I can filter search results by various criteria (e.g., fees, experience). | 2 | Medium | Naveen, Mihir |
| Sprint-4 | Appointment Booking | USN-11 | As a user, I can book an appointment with a doctor from their profile page. | 3 | High | Aadya |
| Sprint-4 |  | USN-12 | As a user, I will receive a confirmation message after booking an appointment. | 1 | High | Aadya |
| Sprint-4 |  | USN-13 | As a user, I can view and manage my upcoming appointments. | 2 | Medium | Snigdha |
| Sprint-5 | Notifications | USN-14 | As a user, I will receive reminders for upcoming appointments. | 2 | Medium | Naveen, Mihir |
| Sprint-5 |  | USN-15 | As a user, I can customize my notification preferences. | 1 | Low | Naveen, Mihir |
| Sprint-6 | Admin Management | USN-16 | As an admin, I can approve or reject doctor registrations. | 3 | High | Aadya |
| Sprint-6 |  | USN-17 | As an admin, I can manage the overall operation of the appointment booking system. | 3 | High | Snigdha |

**Project Tracker, Velocity & Burndown Chart: (2 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 | 2 Days | 03 Jul 2024 | 5 July 2024 | 20 | 08 Jul 2024 |
| Sprint-2 | 20 | 2 Days | 5 July 2024 | 7 July 2024 | TBD | TBD |
| Sprint-3 | 20 | 2 Days | 7 July 2024 | 9 Jul 2024 | TBD | TBD |
| Sprint-4 | 20 | 2 Days | 10 Jul 2024 | 13 Jul 2024 | TBD | TBD |

**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)



**Burndown Chart:**

A burndown 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.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)