**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | **27 June 2025** |
| Team ID | **LTVIP2025TMID60609** |
| Project Name | **DocSpot: Seamless Appointment Booking for Health.** |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

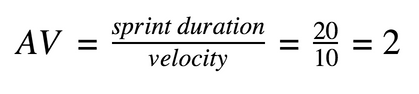
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register using email, password, and confirm password. | 2 | High | @Nikhil |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered. | 1 | High | @ASHOK |
| Sprint-1 | Registration | USN-4 | As a user, I can register using Gmail. | 2 | Medium | @ANUSHYA |
| Sprint-1 | Login | USN-5 | As a user, I can log in using email and password. | 1 | High | @NIKHIL |
| Sprint-1 | Doctor Listing | USN-6 | As a user, I can view a list of available doctors with filters by specialty, location, and rating. | 3 | High | @ANUSHYA |
| Sprint-1 | Booking | USN-7 | As a user, I can select a time slot and book an appointment with a doctor. | 3 | High | @Nikhil |
| Sprint-2 | Notifications | USN-8 | As a user, I receive a confirmation SMS/email after booking an appointment. | 2 | Medium | @ASHOK |
| Sprint-2 | Video Consultation | USN-9 | As a user, I can attend a video consultation with a doctor. | 5 | High | @ANUSHYA |
| Sprint-2 | Admin Panel | USN-10 | As an admin/doctor, I can manage my available slots and view booked appointments. | 3 | High | @Varshini |
| Sprint-2 | Deployment | USN-11 | As a developer, I can deploy the app using Flask and host it. | 3 | Medium | @Hema |

**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 2025** | **29 Oct 2025** | **20** | **29 Oct 2025** |
| **Sprint-2** | **20** | **6 Days** | **31 Oct 2025** | **05 Nov 2025** | **18 *(Assumed)*** | **06 Nov 2025 *(1-day delay)*** |
| **Sprint-3** | **20** | **6 Days** | **07 Nov 2025** | **12 Nov 2025** | **19 *(Assumed)*** | **12 Nov 2025** |
| **Sprint-4** | **20** | **6 Days** | **14 Nov 2025** | **19 Nov 2025** | **20** | **19 Nov 2025** |

**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)



|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Estimated Story Points** | **Days Required** | **Planned Tasks** |
| Sprint 1 | 12 | 6 Days | Registration, Login, Doctor List, Booking |
| Sprint 2 | 13 | 7 Days | Notifications, Video Consultation, Admin Panel, Deployment |

📆 **Timeline Estimate**

Total Days Required=Total Story PointsAverage Velocity per Day=252=12.5≈13 working days\text{Total Days Required} = \frac{\text{Total Story Points}}{\text{Average Velocity per Day}} = \frac{25}{2} = 12.5 \approx 13 \text{ working days}Total Days Required=Average Velocity per DayTotal Story Points​=225​=12.5≈13 working days

✂️ Rounded Estimate:

You’ll need approximately **13 working days** to complete the full project at a steady pace of **2 story points/daY**

**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.

[**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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