**Project Planning Phase**

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

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| --- | --- |
| Date | 25-05-2025 |
| Team ID | LTVIP2025TMID55946 |
| Project Name | Docspot |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

**1. Product Backlog (High-Level) :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Backlog ID** | **Feature / User Story** | **Priority** | **Epic** |
| PB1 | Patient login and registration | High | User Authentication |
| PB2 | Search and filter doctors by specialty and location | High | Appointment Booking |
| PB3 | Real-time appointment slot display | High | Appointment Booking |
| PB4 | Book, cancel, or reschedule appointments | High | Appointment Booking |
| PB5 | Appointment reminders via SMS/email | High | Notifications |
| PB6 | Patient profile and insurance upload | Medium | Patient Management |
| PB7 | Doctor calendar sync and availability settings | Medium | Provider Tools |
| PB8 | Pre-visit forms (questionnaires) | Medium | Patient Management |
| PB9 | Telehealth session launch/link integration | Medium | Telehealth Integration |
| PB10 | Admin dashboard for managing all appointments | High | Admin Tools |
| PB11 | Insurance verification and co-pay processing | Medium | Payments & Insurance |
| PB12 | Reporting and analytics dashboard for appointments | Low | Admin Tools |
| PB13 | Waitlist & notification for earlier slots | Low | Smart Scheduling |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Goals / Features** | **Backlog Items** | **Team Tasks** |
| Sprint 1 | MVP Setup: Auth + Core Booking UI + Doctor Search | PB1, PB2, PB3 | Build login, search doctor, show available slots |
| Sprint 2 | Appointment Management + Notifications + Doctor Tools | PB4, PB5, PB7 | Booking flow, reminder system, provider calendar settings |
| Sprint 3 | Pre-Visit Forms + Telehealth Integration + Insurance + Admin Dashboard | PB6, PB8, PB9, PB10, PB11 | Add insurance, patient forms, admin panel, telehealth |
| Sprint 4 | Reporting + Smart Scheduling + Security Compliance + UI Polish | PB12, PB13, PB14, PB15 | Analytics, waitlist, compliance, UI review & testing |

**3. Estimation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Backlog ID** | **Feature** | **Story Points** | **Notes** |
| PB1 | User login/registration | 5 | Basic auth flow, validation |
| PB2 | Doctor search/filter | 8 | Search by specialty, location, availability |
| PB3 | Real-time appointment display | 13 | Time slot sync and concurrency handling |
| PB4 | Booking/rescheduling/cancellation | 8 | Booking rules, calendar updates |
| PB5 | Reminders/notifications | 5 | SMS/email integration, scheduling logic |

**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.

**Sprint Setup**

* **Total Story Points:** 75 (sum of all backlog items)
* **Sprint Duration:** 2 weeks per sprint (10 working days)
* **Team Velocity:** ~30–35 points per sprint

**Reference:**

**https://www.scrumtrainingseries.com/scrum-burndown-chart**

**https://www.smartsheet.com/agile-burndown-chart**