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

Date	26-05-2025
Team ID	LTVIP2025TMID50887
Project Name	DocSpot
Maximum Marks	5 Marks

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

Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication	USN-1	As a user, I can sign up and log in securely.	5	High	Frontend Dev, Backend Dev
	System Setup	USN-2	As a developer, I can set up the development environment.	3	High	Full Stack Dev
		USN-3	As a developer, I can configure the database schema.	4	High	Database Dev, Backend Dev
Sprint-2	Doctor Discovery & Booking	USN-3	As a patient, I can search doctors by specialty and location.	5	High	Frontend Dev, Backend Dev
		USN-8	As a patient, I can view detailed doctor profiles.	4	High	Frontend Dev, UI/UX Dev
		USN-9	As a patient, I can book appointments with available doctors.	5	High	Frontend Dev, Backend Dev
		USN-10	As a patient, I can view available time slots.	3	High	Frontend Dev, Backend Dev
Sprint-3	Profile Management	USN-11	As a doctor, I can set up and update my professional profile.	4	High	Frontend Dev, Backend Dev
		USN-12	As a doctor, I can manage my availability calendar.	5	High	Frontend Dev, Backend Dev
		USN-13	As a patient, I can update my profile and medical history.	3	High	Frontend Dev, Backend Dev

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Sprint-3 Total			20		
	Sprint-4 Total			20		
Sprint-5	Admin Panel	USN-22	As an admin, I can manage user accounts and verify doctors.	5	High	Frontend Dev, Backend Dev
		USN-23	As an admin, I can view system analytics and reports.	4	Medium	Frontend Dev, Backend Dev
		USN-24	As an admin, I can handle user complaints and disputes.	3	Medium	Frontend Dev, Backend Dev
	Notifications	USN-25	As a user, I can receive SMS and email notifications.	5	High	Backend Dev, Integration Dev
		USN-26	As a user, I can customize notification preferences.	3	Low	Frontend Dev, Backend Dev

Story Points Estimation Guide

Story Points	Complexity	Effort	Duration	Description
1	Very Simple	1-2 hours	0.25 days	Minor UI changes, simple bug fixes
2	Simple	2-4 hours	0.5 days	Basic CRUD operations, simple forms
3	Medium	4-8 hours	1 day	Standard features, basic integrations
5	Complex	8-16 hours	2 days	Complex business logic, API integrations
8	Very Complex	16-24 hours	3 days	Advanced features, complex integrations
13	Extremely Complex	24+ hours	4+ days	Major features, system architecture changes

Project Tracker, Velocity & Burndown Chart

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	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	10 Days	1 May 2025	12 May 2025	20	12 May 2025
Sprint-2	20	10 Days	13 May 2025	24 May 2025	20	24 May 2025
Sprint-3	20	10 Days	25 May 2025	5 June 2025	18	7 June 2025
Sprint-4	20	10 Days	6 June 2025	17 June 2025	20	17 June 2025
Sprint-5	20	10 Days	18 June 2025	29 June 2025	19	30 June 2025
Sprint-6	20	10 Days	30 June 2025	11 July 2025	20	11 July 2025

Team Velocity Analysis

Sprint	Planned Velocity	Actual Velocity	Variance	Completion Rate
Sprint-1	20	20	0	100%
Sprint-2	20	20	0	100%
Sprint-3	20	18	-2	90%
Sprint-4	20	20	0	100%
Sprint-5	20	19	-1	95%
Sprint-6	20	20	0	100%
Average	**20**	**19.5**	**-0.5**	**97.5%**

Burndown Chart Data

Sprint-1 Burndown

Day	Remaining Story Points	Ideal Burndown	Actual Burndown
Day 0	20	20	20
Day 2	18	16	18
Day 4	14	12	15
Day 6	10	8	10
Day 8	5	4	6
Day 10	0	0	0

Sprint-2 Burndown

Day	Remaining Story Points	Ideal Burndown	Actual Burndown
Day 0	20	20	20
Day 2	17	16	17
Day 4	13	12	13
Day 6	9	8	9
Day 8	4	4	4
Day 10	0	0	0

Risk Assessment & Mitigation

Risk	Probability	Impact	Mitigation Strategy
API Integration Delays	Medium	High	Early prototype development, buffer time
Database Performance Issues	Low	High	Performance testing, indexing optimization
Third-party Service Downtime	Medium	Medium	Fallback mechanisms, service redundancy
Security Vulnerabilities	Low	High	Regular security audits, penetration testing
Team Member Unavailability	Medium	Medium	Cross-training, documentation

Definition of Done (DoD)

✓ **Code Quality:**

- Code reviewed and approved by at least 2 team members
- Unit tests written with 80%+ coverage
- Integration tests passing
- Code follows project coding standards

✓ **Testing:**

- All acceptance criteria met
- Manual testing completed
- Cross-browser compatibility verified
- Mobile responsiveness tested

✓ **Documentation:**

- API documentation updated
- User stories updated in project management tool
- Technical documentation completed

✅ **Deployment:**

- Feature deployed to staging environment
- Performance benchmarks met
- Security scan completed
- Stakeholder approval obtained

Team Roles & Responsibilities

Sprint Goals

Sprint-1 Goal:

Establish secure user authentication system and development environment setup.

Sprint-2 Goal:

Implement core doctor discovery and appointment booking functionality.

Sprint-3 Goal:

Complete profile management and basic communication features.

Sprint-4 Goal:

Integrate payment processing and implement review system.

Sprint-5 Goal:

Develop admin panel and comprehensive notification system.

Sprint-6 Goal:

Deliver advanced features including telehealth and mobile support.