

Sample Sprint Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
S p r i n t 1	Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup
	Patient Registration & Appointment Scheduling <ul style="list-style-type: none"> ◆ Defined tasks for Patient Registration & Appointment Scheduling. ◆ Assigned roles to developers, UI designers, and testers. 	<ul style="list-style-type: none"> ◆ Start backend development for the registration API (storing patient details securely). 	<ul style="list-style-type: none"> ◆ Start developing the appointment booking system (availability-based scheduling). 	<ul style="list-style-type: none"> ◆ Implement email & SMS reminders for confirmed appointments. 	<ul style="list-style-type: none"> ◆ Perform unit testing on patient registration & appointment modules.

<ul style="list-style-type: none"> ◆ Discussed system architecture, API requirements, and database structure. 				
Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
<ul style="list-style-type: none"> ◆ Fix UI alignment, improve form validation & error handling. 	<ul style="list-style-type: none"> ◆ Validate API security for storing patient data securely. 	<ul style="list-style-type: none"> ◆ Conduct end-to-end testing on the full patient registration and scheduling system. 	<ul style="list-style-type: none"> ◆ Demo: Show completed Patient Registration & Appointment Scheduling features. ◆ Gather feedback from testers & stakeholders. ◆ Identify bugs & areas for improvement before the next sprint. 	<p>Sprint Retrospective -</p> <ul style="list-style-type: none"> ◆ Successes: Registration, scheduling, and notifications implemented. ⚠ Blockers: Data validation delays, time zone issues, email API limits, and booking load failures.

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Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup
Electronic Health Records (EHR) Integration <ul style="list-style-type: none"> Defined tasks for EHR integration & security compliance. Assigned roles, discussed encryption & access control. 	<ul style="list-style-type: none"> Develop API for secure record retrieval. 	<ul style="list-style-type: none"> Implement role-based access for doctors & patients. 	<ul style="list-style-type: none"> Work on EHR UI & usability testing. 	<ul style="list-style-type: none"> Conduct EHR system demo & gather feedback.
Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
<ul style="list-style-type: none"> Patch security issues & conduct penetration testing. 	<ul style="list-style-type: none"> Final validation of data integrity checks. 	<ul style="list-style-type: none"> Conduct end-to-end testing before deployment. 	<ul style="list-style-type: none"> Demo EHR system with test data. Gathered feedback on 	Sprint Retrospective - <ul style="list-style-type: none"> Successes: Secure API and

S p r i n t 3				security & UI improvements.	role-based access added. ⚠ Blockers: Compliance delays, multi-role conflicts, slow record retrieval.
	Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup
	Billing & Payment Processing ⚡ Defined tasks for invoice generation & payment integration. ⚡ Assigned roles, reviewed tax	⚡ Start PayPal & Stripe integration.	⚡ Implement auto-invoice generation after appointment completion.	⚡ Develop UI for the billing dashboard.	⚡ Conduct billing system testing.

handling & compliance.				
Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
<ul style="list-style-type: none"> ◆ Fix refund logic & add payment retry mechanism. 	<ul style="list-style-type: none"> ◆ Optimize API response times for invoices. 	<ul style="list-style-type: none"> ◆ Final validation of billing workflow & security. 	<ul style="list-style-type: none"> ◆ Demo billing system with automated invoicing. ◆ Gathered feedback on payment reliability & UI improvements. 	Sprint Retrospective – <ul style="list-style-type: none"> ◆ Successes: Automated invoicing, refunds, and payment processing. ⚠ Blockers: Tax errors, failed transactions, slow large invoice processing.
Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup

Sprint 4

Administrative and Staff Management <ul style="list-style-type: none"> ◆ Defined tasks for Role-Based Access & Shift Management. ◆ Assigned responsibilities for UI, backend, and security teams. 	<ul style="list-style-type: none"> ◆ Develop user roles for doctors, admins, and staff. 	<ul style="list-style-type: none"> ◆ Implement staff scheduling dashboard. 	<ul style="list-style-type: none"> ◆ Improve workflow management for task assignments. 	<ul style="list-style-type: none"> ◆ Conduct staff management system testing.
Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
<ul style="list-style-type: none"> ◆ Improve user experience for admin dashboard. 	<ul style="list-style-type: none"> ◆ Validate staff shift assignment & approval workflow. 	<ul style="list-style-type: none"> ◆ Final review and integration testing. 	<ul style="list-style-type: none"> ◆ Demo staff management system with role-based access. ◆ Gathered feedback on UI, scheduling, and 	Sprint Retrospective – <ul style="list-style-type: none"> ◆ Successes: Role-based access and staff scheduling completed.

S p r i n t 5				workflow efficiency.	⚠ Blockers: Role conflicts, shift overlap, real-time update issues.
	Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup
	Security Enhancements and Performance Optimization <ul style="list-style-type: none"> Defined tasks for data encryption, access control, and performance fixes. Assigned roles for security testing, backend optimization, and threat monitoring. 	<ul style="list-style-type: none"> Encrypt patient records & authentication data. 	<ul style="list-style-type: none"> Conduct penetration testing on login & API endpoints. 	<ul style="list-style-type: none"> Implement role-based access control (RBAC) for user permissions. 	<ul style="list-style-type: none"> Optimize database queries to improve response time.

S p r i	Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
	◆ Implement real-time monitoring for security threats.	◆ Conduct stress testing under high user loads.	◆ Final security review & API performance tuning.	◆ Demo security enhancements & performance optimizations. ◆ Gathered feedback on encryption, API response times, and role-based access.	Sprint Retrospective – ◆ Successes: Encryption, authentication, and query optimization done. ⚠ Blockers: Slow encrypted data access, API security flaws, high-traffic crashes.
	Sprint Planning (2 weeks)	Daily Standup	Daily Standup	Daily Standup	Daily Standup
	Final Testing, Deployment and	◆ Identify and document critical bugs &	◆ Optimize API response times	◆ Fix payment processing bugs &	◆ Conduct system-wide penetration

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User Feedback Implementation <ul style="list-style-type: none"> Defined tasks for final testing, bug fixes, deployment, and user feedback collection. Assigned roles for testing, debugging, and deployment monitoring. 	performance issues.	& database queries.	transaction failures.	testing before deployment.
Daily Standup	Daily Standup	Daily Standup	Daily Standup	Sprint Review
<ul style="list-style-type: none"> Deploy final version on staging environment for review. 	<ul style="list-style-type: none"> Deploy live system and monitor for errors. 	<ul style="list-style-type: none"> Collect user feedback and refine system. 	<ul style="list-style-type: none"> Demo final system deployment and showcase completed work. Gathered user feedback and 	Sprint Retrospective – <ul style="list-style-type: none"> Successes: System deployed, user feedback collected.

			noted minor usability improvements.	⚠ Blockers: UI bugs, slow medical history load, payment rejections, security issues.
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