

Business Requirements Document (BRD)

Project Name: Digital Healthcare Platform

Company Name: [Assumed Healthcare Brand]

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Role: Business Analyst

Date: [Assumed Date]**Role:** Business Analyst

Version: 1.0

1. Introduction

1.1 Purpose

The purpose of this document is to define the business requirements for a digital healthcare platform. This system aims to provide seamless access to healthcare services, including online consultations, appointment scheduling, electronic medical records (EMR), and medication management.

1.2 Scope

The system will serve patients, doctors, and healthcare administrators, ensuring smooth interactions via a web and mobile-based platform. The core functionalities include:

- Online doctor consultation and appointment scheduling.
- Secure storage and access to medical records.
- Prescription and medication tracking.
- Integration with wearable health devices.
- Insurance and billing management.

1.3 Stakeholders

- **Patients** – Access healthcare services.
 - **Doctors** – Provide medical consultations.
 - **Healthcare Administrators** – Manage hospital/clinic operations.
 - **Insurance Providers** – Process claims and payments.
 - **Regulatory Authorities** – Ensure compliance with healthcare regulations.
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2. Business Objectives

1. Improve patient access to healthcare services.
2. Enhance doctor-patient engagement.
3. Digitize medical records for better accessibility and security.

4. Reduce administrative overhead in healthcare facilities.
 5. Ensure regulatory compliance with health standards (HIPAA, GDPR, etc.).
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3. Functional Requirements

3.1 Patient Portal

- User registration and authentication.
- Profile management (medical history, allergies, etc.).
- Appointment booking and tracking.
- Secure access to medical records.
- Online prescription refills and medication reminders.

3.2 Doctor Portal

- Doctor profile creation and verification.
- Appointment scheduling and calendar integration.
- EMR access and management.
- Prescription generation and secure sharing with patients.
- Integration with diagnostic lab reports.

3.3 Administration Module

- Hospital/clinic profile management.
- Billing and invoice generation.
- Insurance claim processing.
- Compliance tracking and reporting.
- User role and permission management.

3.4 Third-Party Integrations

- Integration with wearable devices (Fitbit, Apple Health, etc.).
 - Payment gateway for billing and subscriptions.
 - API connectivity with insurance providers.
 - SMS/Email notifications for reminders and alerts.
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4. Non-Functional Requirements

- **Security:** End-to-end encryption and multi-factor authentication.
- **Scalability:** Cloud-based infrastructure for seamless scalability.
- **Performance:** System response time < 2 seconds.
- **Compliance:** Adherence to HIPAA, GDPR, and other relevant healthcare laws.
- **Usability:** Intuitive UI/UX for easy navigation.

5. Assumptions and Constraints

- The system will be developed as a web and mobile application.
 - Initial rollout will target metropolitan hospitals and clinics.
 - Internet connectivity is required for full functionality.
 - Data privacy policies must be strictly followed.
 - Users must have verified identities before accessing sensitive information.
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6. Risk Management

Risk	Impact	Mitigation Strategy
Data Breach	High	Implement robust security measures (encryption, firewalls).
System Downtime	Medium	Ensure cloud-based redundancy and backup servers.
User Adoption	Low	Conduct training sessions and provide user guides.

7. Project Timeline

Phase	Timeline	Deliverables
Requirements Gathering	2 Weeks	BRD Finalization
Design & Prototyping	4 Weeks	Wireframes, UI/UX Design
Development	12 Weeks	Web & Mobile App Development
Testing	4 Weeks	QA Testing, Bug Fixing
Deployment	2 Weeks	Live Launch
Maintenance	Ongoing	Updates, Security Patches

8. Approval

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Reviewed By:

Approved By:

