Software Requirements Specification (SRS)

Healthcare Information System for Enterprises

Version: 1.0
Date: [Date Here]

1. Introduction

1.1 Purpose

This SRS document defines the requirements for the Enterprise Healthcare Information System (HIS), intended to streamline healthcare operations, data management, and patient care.

1.2 Scope

The system automates processes for patient management, appointment scheduling, billing, inventory, and reporting for large healthcare enterprises.

1.3 Definitions, Acronyms, Abbreviations

- **HIS:** Healthcare Information System
- **EMR:** Electronic Medical Record
- **EHR:** Electronic Health Record
- **PMS:** Patient Management System

1.4 References

- IEEE SRS Standard 830-1998
- Health Level Seven (HL7)
- HIPAA Compliance Guidelines

2. Overall Description

2.1 Product Perspective

The HIS integrates with existing hospital infrastructure and supports multiple users in a secure environment.

2.2 User Classes and Characteristics

- **Administrators:** System setup and user management
- **Healthcare Providers:** Doctors, nurses, lab technicians
- **Support Staff:** Receptionists, billing clerks
- **Patients:** Access limited to their own data

2.3 Operating Environment

- Web browsers (latest versions)
- Windows/Linux servers

- Relational database management system

2.4 Design and Implementation Constraints

- Must comply with HIPAA
- Support integration via HL7

3. Specific Requirements

ID	Requirement	Priority
FR-1	The system shall allow user registration and role-based access control.	High
FR-2	The system shall store and retrieve patient health records.	High
FR-3	The system shall support appointment scheduling and management.	Medium
FR-4	The system shall generate billing and payment receipts.	Medium
FR-5	The system shall provide dashboards for reporting and analytics.	Low

3.1 Functional Requirements

1. User authentication and authorization
2. Patient registration and management
3. Medical records management
4. Appointment scheduling
5. Billing and payments processing
6. Inventory and resource management
7. Reporting and analytics

3.2 Non-Functional Requirements

- System should be available 99.9% of the time.
- All patient data should be encrypted at rest and in transit.
- System should handle up to 1000 concurrent users.
- Data backup must occur daily.

4. Appendices

- Glossary
- Sample Workflows
- Regulatory Compliance Overview