

Software Requirements Specification (SRS)

Project Title: MediMap – Intelligent Healthcare Navigation System

Version: 1.0

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1. Introduction

1.1 Purpose

The purpose of MediMap is to provide users with a smart healthcare search platform where they can enter a disease or health condition and instantly receive recommendations for nearby hospitals or clinics that provide the required treatment.

1.2 Scope

MediMap assists patients, doctors, and healthcare organizations by offering disease-based recommendations, emergency availability info, real-time navigation, and wearable data-based health monitoring.

1.3 Definitions

AI - Artificial Intelligence
GPS - Global Positioning System
API - Application Programming Interface
ICU - Intensive Care Unit

2. Overall System Description

Product Perspective

MediMap is a web/mobile app connected to hospital databases, wearable health devices, and GPS navigation services.

Product Features

- Disease-based hospital search
- Real-time bed/ICU availability
- Teleconsultation
- Cost transparency
- Live navigation

User Classes

Patients, Doctors, Hospital Admins, Government/NGO Users

3. System Requirements

Functional Requirements

- Users can search diseases.
- System shows hospitals nearby.
- Displays doctor specialization.
- Shows emergency availability.
- Provides navigation routes.
- Allows teleconsultation.

Non-Functional Requirements

Performance: Response time < 3s
Security: Encrypt patient data
Usability: Clean and simple interface
Scalability: Supports many users

4. System Architecture

User → App → MediMap AI → Hospital DB → Wearable Data → Analytics

5. Conclusion

MediMap provides intelligent and efficient healthcare decision-making support by connecting patients with the right medical services quickly and accurately.