

Final Year Design Project

System Requirements Specification

HealSync

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## **Executive Summary**

HealSync is a healthcare management application designed to assist patients and their family members in tracking health metrics, managing care plans, and responding to emergencies. It

provides separate roles for patients and family members, enabling personalized access and control. The system includes features like mood and behavior tracking, shared medical calendars, task management, emergency alerts, live location tracking, and AI-powered chatbots for support. It ensures data security, real-time notifications, and seamless coordination to improve overall healthcare efficiency.

## **Requirements Analysis**

The HealSync application is designed for health tracking, care coordination, and emergency response. It provides separate user roles, allowing patients to log health data while family members monitor trends and assist in care management. Functional requirements include mood tracking, shared calendars, emergency alerts, live location tracking, and AI-driven support. Non-functional requirements focus on security, performance, and usability, ensuring efficient data synchronization, role-based access control, and an intuitive user interface.