

# Hospital Patient Management System

Welcome to our presentation on the Hospital Patient Management System. This system streamlines patient data handling, provides an intuitive interface, and ensures seamless operations for healthcare providers.

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# Problem Statement

## 1 Manage Patient Records

Implement CRUD (Create, Read, Update, Delete) operations to efficiently handle patient data.

## 2 Improve Data Handling

Simplify the process of storing, accessing, and updating patient information.



# System Objectives

## Intuitive Interface

Provide a user-friendly and easy-to-navigate interface for healthcare professionals.

## Seamless Operations

Ensure a smooth and efficient workflow for patient data management.



# System Requirements

## C-based CLI

Develop a command-line interface (CLI) application using the C programming language.

## Menu-driven Algorithm

Implement a menu-driven algorithm to guide users through the system's functionalities.

# Constraints



## Predefined Data

The system will work with a predefined set of data for 4 patients.



## Fixed Fields

The system will have a fixed set of data fields for each patient.



## Validated Inputs

The system will validate user inputs to ensure data integrity.



# Benefits

## User-friendly

The intuitive interface simplifies patient data management for healthcare professionals.

## Reduced Errors

Validated inputs and organized data storage minimize the risk of errors.





# Future Scope

## Database Integration

Integrate a database to store and manage patient records more efficiently.

## Advanced Search

Implement advanced search functionality to quickly retrieve specific patient information.

1

2

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## Graphical User Interface

Develop a GUI (Graphical User Interface) for a more visually appealing and intuitive user experience.



# Conclusion

The Hospital Patient Management System aims to streamline patient data handling, provide an intuitive interface, and ensure seamless operations for healthcare professionals. By addressing the problem statement, meeting the system objectives, and considering the constraints, this system offers numerous benefits and has a promising future scope for further enhancements.