



PARSHWANATH CHARITABLE TRUST'S

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Data Science



Careconnect- Health care management system

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Project Guide

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1. INTRODUCTION

Hospital Management System is designed for receptionists to efficiently handle key tasks such as new patient registration, accessing doctor information, updating patient records, managing pharmacy needs, checking room availability, and overseeing the discharge process. With an intuitive interface, it streamlines workflow, minimizes errors, and enhances coordination, ensuring a smooth experience for both staff and patients.

- Problem Identified :

In traditional health care management, the registration process is often manual, leading to errors, delays and inefficiencies in patient care.

- Solution Proposed :

- The Careconnect system stores patient information digitally, making it easy to access and manage.
- It speeds up registration, reduces errors, and helps staff respond quickly during emergencies.

2. OBJECTIVES

- 1.) User authentication and authorization, including roles for receptionists, nurses, doctors, and administrators.
- 2.) To manage room availability including admission and discharge processes. This includes viewing room status, types, and prices.
- 3.) Allow receptionist to make, view, and cancel appointments. Include search functionality to find available slots based on criteria like dates and doctor specialties.
- 4.) Allow management of additional services such as meal service, laundry, and medical tests or procedures.

3. SCOPE

- 1) **Bringing Patient Information Together:** Gathering all patient data in one place so that doctors and nurses can access complete and up-to-date information quickly.
- 2) **Appointments and Payments:** Making it simpler to book appointments and handle payments, which helps both patients and healthcare facilities save time and reduce hassle.
- 3) **Improving Communication:** Giving patients better ways to access their health information, schedule visits, and communicate with their healthcare providers more easily.

4. FEATURES \ FUNCTIONALITY

1. **Online Appointment Scheduling:** Patients will be able to book their appointments through an easy-to-use website. This feature will help patients to manage their appointments
2. **Appointment Management for Providers:** Healthcare providers can view and manage their appointment schedules online. They will be able to see upcoming appointments and make changes as needed, which helps in keeping their schedules organized.
3. **User-Friendly Interface:** The system will be designed to be easy to use, with a simple and clear layout made with Java. This will make it easy for both patients and healthcare providers to use and find what they need.
4. **Secure Data Storage:** All appointment information will be stored securely in a MySQL database. This ensures that patient and appointment data is kept safe and can be accessed easily when needed.

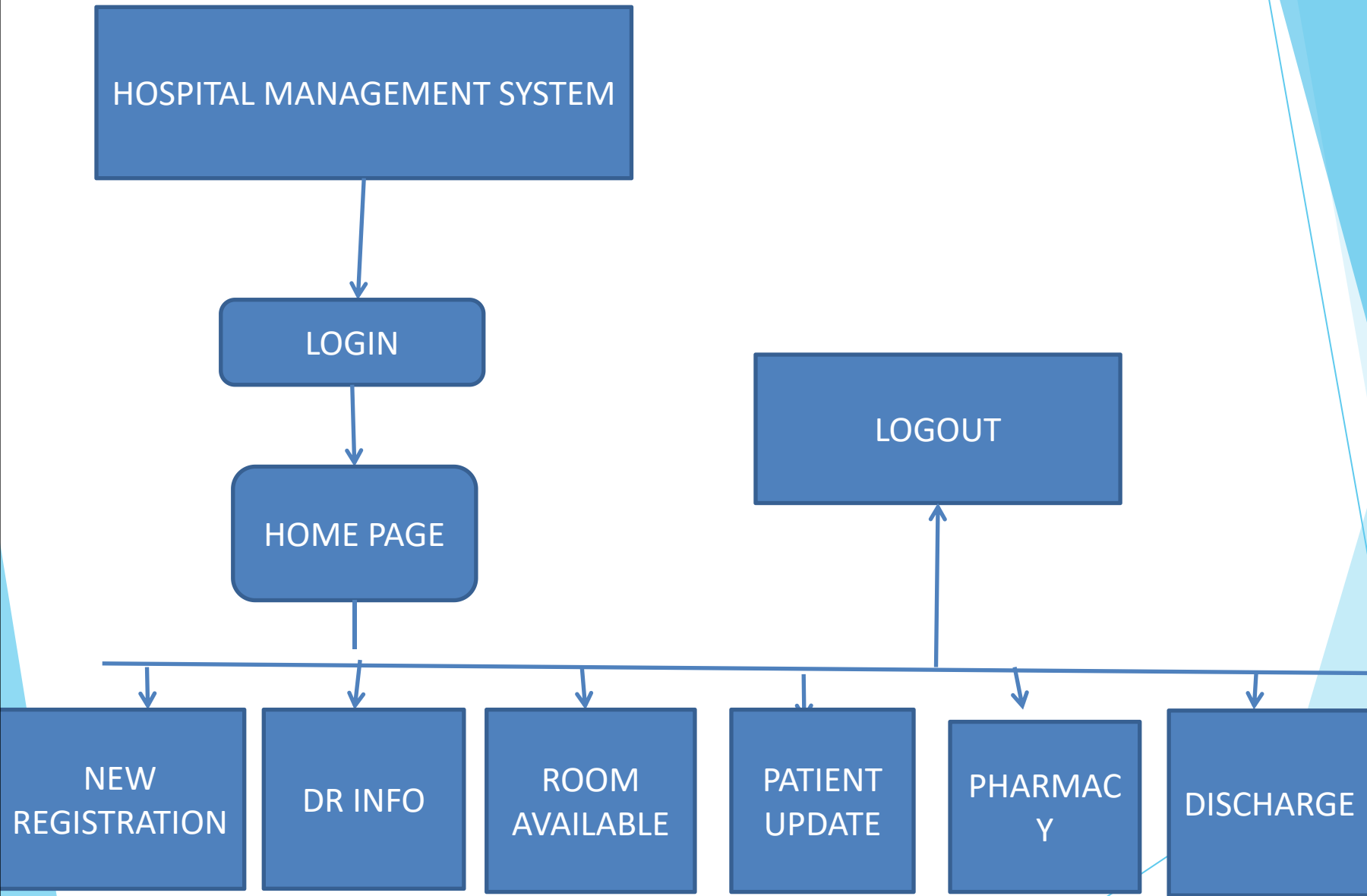
5. OUTCOME OF PROJECT

1. Receptionist Login: Users will be able to create accounts and login into the system.
2. Search functionality: Allow receptionist to make, view, and cancel appointments.
3. Allow receptionist to find available slots based on criteria like dates and doctor specialties .
4. Making it simpler to handle payments, which helps both patients and healthcare facilities save time and reduce hassle.

6. TECHNOLOGY STACK

1. Fronrend: Java
2. Backend: Mysql
3. Other Tools: Canva (for design)

7. BLOCK DIAGRAM



The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the slide, with some extending towards the left. The overall effect is a modern, clean, and professional aesthetic.

Thank
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