

Dental Homes



VIVEKANAND COLLEGE FOR  
ADVANCED COMPUTER AND INFORMATION  
SCIENCES SURAT VEER NARMAD SOUTH GUJARAT  
UNIVERSITY, SURAT  
PROJECT REPORT ON

## Dental Homes

AS A PARTIAL REQUIREMENT FOR THE  
DEGREE OF BACHELOR OF COMPUTER  
APPLICATION (B.C.A) 2024-2025

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# Dental Homes

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## VIVEKANAND COLLEGE FOR

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## CERTIFICATE

This is to certify that LUKHI LAKSH NAreshbhai-1775, KATHIRIYA BHAUTIK PRAVINCHNDRA-1744, JADAV DARSHIL MAHENDRABHAI-1700, -have successfully completed their project work entitled "DENTAL HOMES" as partial fulfillment of the requirement of BCA sixth semester during academic year 2024-2025.

Name of Guide: Ms. Divya Gupta

Signature of Guide:

A handwritten signature of Ms. Divya Gupta.

Signature of Examiner:

Date:

Place: Surat



I/C Principal  
Vivekanand College for BCA  
Surat

## ACKNOWLEDGEMENT

I would like to express my gratitude and appreciation to all those who gave me the possibility to complete this project. Special thanks are to my mentor **Ms. Divya Gupta** whose help, stimulating suggestions and encouragement helped me in all time of fabrication process and in writing this report. I also sincerely thanks for the time spent proofreading and correcting my many mistakes.

I would also like to acknowledge with much appreciation the crucial role of the staff in B.C.A. Laboratory, who gave me a permission to use the lab equipment and also the machine and to design the drawing and giving a permission to use all the necessary tools in the laboratory.

Many thanks go to the all lecturers who have given their full effort in guiding me in achieving the goal as well as their encouragement to maintain our progress in track. My profound thanks go to all classmates, especially to my friends for spending their time in helping and giving support whenever I need it in fabricating my project.

## ABSTRACT

- **Wide Range of Services:**

The dental hospital offers a comprehensive range of services, including preventive care, restorative treatments, and orthodontics, catering to patients of all ages and dental needs. This extensive service array ensures that individuals seeking dental care can find suitable treatments under one roof.

- **Patient-Centric Approach:**

Each patient's journey is supported by detailed treatment plans, high-quality images of dental procedures, and testimonials, empowering patients to make informed decisions about their dental health. This wealth of information enables patients to understand their options and fosters trust in the care they receive.

- **Interactive Features:**

The platform includes interactive tools that allow patients to schedule appointments, access telehealth services, and receive personalized treatment recommendations based on their dental history and needs. These features enhance the overall patient experience, promoting accessibility and convenience.

- **Data-Driven Insights:**

Utilizing data analytics, the hospital can optimize its operations, improve patient outcomes, and tailor its marketing strategies to effectively reach the target audience. By analyzing patient data, the hospital can enhance its services and improve patient engagement.

- **Community Engagement:**

The project aims to build a vibrant community of patients and dental professionals, encouraging knowledge sharing and support through forums and discussion groups. This connection fosters a sense of belonging and helps patients feel more engaged in their dental health journey.

- **Technical Framework:**

Hospital Oversight is a web-based application developed using modern technologies such as PHP, AngularJS, and MySQL. This robust technology stack provides a secure and scalable foundation, enabling efficient management of patient data and dynamic content delivery.

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## Dental Homes

## 1. Introduction

The Hospital Oversight project is an initiative designed to elevate the standards of dental care through rigorous and consistent monitoring of dental hospitals. The core objective of the project is to ensure that dental facilities across various regions provide exceptional services, with a strong focus on patient safety, comfort, and overall well-being. In a sector as critical as healthcare, maintaining high standards is not just a requirement—it is a moral responsibility. The project believes that quality dental care is a fundamental right and works tirelessly to guarantee that every patient receives the best possible treatment under the safest conditions.

In an era where healthcare transparency and patient rights have gained prominence, the Hospital Oversight project takes the lead in establishing a reliable framework for assessing and evaluating the quality of dental services. Patients often face challenges when seeking dental care due to lack of information, unclear regulations, or inconsistencies in treatment quality. This initiative addresses such issues by creating a system where dental practices can be evaluated on multiple fronts, providing patients with trustworthy information that empowers them to make informed choices about their oral health.

The scope of the project encompasses all areas of dental practice, including preventive care, cosmetic dentistry, orthodontics, and restorative treatments. Each of these areas plays a vital role in promoting oral health and enhancing the quality of life. Preventive care ensures early detection of potential dental problems, while cosmetic dentistry boosts patients' confidence through aesthetic improvements. Orthodontics helps correct dental irregularities for both functional and cosmetic benefits, and restorative treatments restore damaged teeth and improve overall dental function. The Hospital Oversight project considers these specialties in its evaluations to offer a complete picture of a dental hospital's performance.

To accomplish its mission, the project employs advanced technologies and methodologies that allow for accurate data collection and analysis. This includes electronic health records, patient feedback tools, AI-based diagnostic systems, and regular audits conducted by trained professionals. These tools help gather insights on various aspects of patient care such as waiting times, staff behavior, cleanliness, availability of services, and the overall patient journey from registration to treatment completion. By using data-driven strategies, the project ensures objectivity in its assessments and provides actionable feedback for improvement.

One of the key components of the Hospital Oversight project is its emphasis on patient satisfaction. Patients are the central figures in any healthcare setting, and their experiences can reveal a great deal about the quality of care provided. The project encourages dental hospitals to adopt patient-centered approaches that prioritize

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empathy, communication, and respect for patient autonomy. Feedback mechanisms such as surveys, suggestion boxes, and online reviews are integrated into the evaluation process, helping hospitals identify strengths and address weaknesses in their service delivery.

Another crucial aspect of the project is monitoring treatment outcomes. While patient satisfaction reflects the service experience, treatment outcomes indicate the effectiveness of clinical procedures. The project tracks post-treatment recovery, complication rates, re-treatment needs, and long-term patient health status to determine how well hospitals meet clinical standards. These metrics provide a clear indication of whether patients are receiving appropriate and successful treatments, thereby reinforcing the need for skilled practitioners and updated medical protocols.

Safety protocols are also a significant area of focus. Dental procedures often involve the use of sharp instruments, exposure to chemicals, and close contact between patients and healthcare providers. Inadequate safety measures can lead to infections, injuries, or other health complications. The Hospital Oversight project enforces strict guidelines regarding sterilization, equipment handling, staff training, and emergency preparedness. Compliance with these safety protocols is critical to achieving accreditation and maintaining the trust of patients.

Education plays a vital role in the project's framework. Both healthcare providers and patients benefit from increased awareness and knowledge. For dental professionals, the project offers workshops, training programs, and access to the latest research in dental science.

For patients, educational materials such as brochures, videos, and interactive sessions are provided to help them understand dental procedures, preventive care routines, and the importance of regular checkups.

By promoting education, the project seeks to bridge the gap between professionals and the public, leading to better communication and care outcomes.

One of the long-term goals of the Hospital Oversight project is to build a culture of continuous improvement within dental hospitals. Rather than functioning as a regulatory body that only enforces penalties, the project aims to be a partner in progress.

Dental hospitals are encouraged to view evaluations as opportunities for growth and to use the feedback for internal development. This collaborative approach fosters innovation, professional development, and enhanced care delivery, creating a more resilient and responsive dental care system.

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Accountability is at the heart of the project. When dental hospitals are held accountable for their services, they are more likely to invest in quality improvement. The project promotes transparency in hospital operations, encouraging open communication with patients about their rights, treatment options, and expected outcomes.

This openness builds trust between patients and providers, strengthens the reputation of dental institutions, and aligns the healthcare system with ethical standards.

The project also recognizes the importance of inclusivity and accessibility. Dental care must be available to all individuals, regardless of their socio-economic background, geographic location, or physical condition. As part of its evaluation process, the project assesses how well hospitals cater to diverse populations, including children, the elderly, and people with disabilities.

Hospitals are encouraged to adopt inclusive practices such as multilingual support, wheelchair accessibility, and financial assistance programs to make dental care more equitable.

Finally, the Hospital Oversight project invites stakeholders—including government agencies, private dental practitioners, academic institutions, and patient advocacy groups—to collaborate in achieving its vision.

By working together, these stakeholders can contribute resources, expertise, and policy support to strengthen the initiative. The collective effort will ensure that dental care in our communities is not only safe and effective but also compassionate and human-centered. The project stands as a testament to what can be achieved when vigilance, education, and a commitment to excellence come together for the greater good.

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Project Title	Hospital Oversight
Project Description	The <b>Hospital Oversight</b> project for a dental hospital is a web-based platform designed to optimize hospital management. It streamlines patient registration, appointment scheduling, dental treatment records, billing, and communication between doctors and patients. The system improves efficiency, enhances patient care, and provides a seamless experience for both staff and patients.
Name of Institute	Atmanand Saraswati Science Collage
Project Category	Front-End Tool
Back-End Tool	HTML, CSS, Javascript, Bootstrap
Project Guide	PHP, MYSQL
Submitted By	Ms. Divya Gupta
	Lukhi Laksh Nareshbhai
	Kathiriya Bhautik Bipinchandra
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## 2. Environment Description

The **Hospital Oversight** project requires a conducive environment supported by adequate hardware and software resources to ensure effective monitoring and evaluation of dental hospitals.

### 2.1 Hardware Requirements

✓ Client Side

- Internet enable device with any browser that support bootstrap & JavaScript.

✓ Server Side

- Desktop or Laptop Computers
- Input Devices
- Networking Equipment
- Backup Storage

✓ Developer Side

- RAM: 8 GB or above
- Processor: Quad Core (Or Higer) CPU @ 2.00GHz 2.60 GHz

## 2.2 Software Requirements

✓ Client Side

- Client On Internet: Chrome any Browser

✓ Server Side

- Client On Internet: Chrome any Browser
- Server: XAMP Server
- Database: MYSQL

✓ Developer Side

- Development IDE: Visual Studio Code
- Operating System: Windows 10(64-bits)
- Front-End Language: HTML, CSS, BOOTSTRAP, JS, jQuery
- Back-End Language: PHP
- Server: Apache server, XAMPP
- Database: MYSQL
- Network Interface: 10Mbps Interne

## TOOLS AND TECHNOLOGY

CORE TECHNOLOGY	EXTRA TECHNOLOGIEY	DOCUMENTATION TOOL	DEVELOPMENT TOOL
PHP 5 (Back End)	JQuery	MS – PowerPoint	Vs Code
HTML CSS	Javascript Ajax	MS - Word	Xampp Server
MYSQL	Bootstrap		

## CORE TECHNOLOGY



### ➤ About PHP/What is PHP

- PHP Stands For Hypertext Pre-Processor.
- PHP was introduced by Rasmus Lerdorf in the first version and participate in the latest version.
- PHP is general-purpose scripting language and interpreter that is freely available and widely used for web development.
- PHP is a server side scripting language.

## Purpose of Using PHP

- PHP is mainly used for **server-side web development**
- It allows developers to **embed PHP code within HTML** to create dynamic and interactive web pages
- PHP can perform a wide range of tasks such as **handling form submissions, generating dynamic content, managing databases, and interacting with the server** for backend operations

## Advantages of PHP

PHP is built specifically for web development, offering several key benefits:

- **Simple** – PHP is easy to learn, making it accessible for beginners
- **Fast** – Websites built with PHP generally have fast performance
- **Stable** – PHP is a mature language with a long history of reliability
- **Open-source and Free** – PHP is free to use, so there are no licensing costs for development
- **Strong Community Support** – A large, active community provides resources, tutorials, and assistance for developers facing issues



## About HTML / What is HTML

- HTML stands for **HyperText Markup Language**
- It is the **standard markup language** used to create and structure web pages
- HTML combines **Hypertext** (which connects different web pages) and **Markup language** (which uses tags to structure and format content)
- HTML is easy to read and understand, using tags to define how elements should be displayed on a web page

## Purpose of Using HTML

- HTML is used to **mark up and structure text** so that computers and browsers can interpret and display it correctly
- It helps define the layout and structure of web content using tags
- HTML is **supported by all major web browsers**, ensuring compatibility across platforms

## Advantages of HTML

- HTML provides the **basic structure** for creating websites and is widely used across the web
- It is **easy to learn and implement**, even for beginners
- **Universal browser support** ensures that HTML works across all platforms
- HTML files are **lightweight and quick to load**, improving performance
- Large files can be handled efficiently using the **application cache** feature
- No need for additional software – HTML can be written using any basic text editor
- It has a **flexible and forgiving syntax**, making it beginner-friendly
- HTML files are **simple to edit and update**, since they are written in plain text



## About CSS / What is CSS

- CSS stands for **Cascading Style Sheets**
- CSS is usually placed inside the `<head>` tag within a `<style>` element, or linked externally
- It is a **stylesheet language** used to control the presentation and layout of HTML or XML documents (including SVG, MathML, and XHTML)
- CSS is **easy to learn and understand**, even for beginners
- It provides **powerful control over the design and layout** of web pages
- CSS works in combination with HTML and XHTML to create well-structured and visually appealing websites

## Purpose of Using CSS

- CSS allows you to define the **style and appearance** of XML or HTML elements
- Though originally created for HTML, CSS also works with **XML-based languages**
- It supports the **separation of structure (HTML) and presentation (CSS)**
- If HTML provides the content, CSS defines how that content should look
- **Three Types of CSS:**
  1. **Inline CSS** – Written directly within the HTML element
  2. **Internal CSS** – Defined inside a `<style>` tag in the HTML document's `<head>` section
  3. **External CSS** – Written in a separate `.css` file and linked to the HTML document



MySQL is an open-source relational database management system (RDBMS) that uses SQL (Structured Query Language) to access and manage data. It is widely known for being reliable, efficient, and easy to use. MySQL is a key component in many web applications and is a major part of the LAMP stack—Linux, Apache, MySQL, and PHP/Perl/Python.

### ❖ Syntax

```
CREATE DATABASE mydatabase;
```

### ❖ Example

```
CREATE TABLE users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(50) NOT NULL,
    email VARCHAR(100) NOT NULL,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

### ► Advantages of MySQL

Open Source: MySQL is available for free and can be used and distributed without licensing costs, making it a budget-friendly choice for businesses.



## About JavaScript

JavaScript is a versatile, high-level programming language mainly used to add interactivity to websites. It is one of the core technologies of the World Wide Web, along with HTML and CSS. JavaScript allows developers to build dynamic, user-responsive applications by manipulating the Document Object Model (DOM), handling user events, and making asynchronous server requests.

## Advantages of JavaScript

1. **Interactivity** – Enables the creation of dynamic and interactive web pages.
2. **Versatility** – Can be used for both front-end and back-end development (with Node.js).
3. **Rich Ecosystem** – Offers a wide range of libraries and frameworks like React, Angular, and Vue.js.
4. **Event-Driven** – Ideal for managing user interactions and real-time updates.
5. **Asynchronous Capabilities** – Supports asynchronous operations that enhance website performance.
6. **Cross-Platform** – Runs smoothly on any device or platform with a web browser.

## Disadvantages of JavaScript

1. **Security Issues** – Susceptible to cross-site scripting (XSS) and other security vulnerabilities.
2. **Browser Inconsistency** – May behave differently across various browsers, causing compatibility issues.
3. **Performance Limitations** – Slower than compiled languages for intensive computations.
4. **Client-Side Dependency** – Relies on the browser, which can have JavaScript disabled.
5. **Dynamic Typing** – Lacks strict type checking, which can lead to unexpected errors during runtime.



**Bootstrap** is a widely-used open-source front-end framework designed to help developers create responsive, mobile-first websites quickly and efficiently. It comes with a comprehensive set of HTML, CSS, and JavaScript tools for building common UI elements like buttons, forms, navigation menus, and modals. Originally developed by Twitter, Bootstrap ensures a consistent design and smooth functionality across various browsers and devices.

### **Advantages of Bootstrap**

1. **Responsive Design:** Its built-in responsive grid system and components ensure your site adapts seamlessly to different screen sizes.
2. **Consistent Appearance:** Offers a uniform look and behavior across all major browsers and devices.
3. **User-Friendly:** Easy to get started with, thanks to extensive documentation, community support, and ready-to-use examples.

### **Disadvantages of Bootstrap**

1. **Initial Learning Curve:** While generally beginner-friendly, mastering all of its features may take time.
2. **Excessive Use of Classes:** Relies heavily on multiple class names, which can lead to cluttered and hard-to-maintain HTML.
3. **Generic Appearance:** Without customization, many Bootstrap-based websites tend to look alike.
4. **Performance Concerns:** Loading the full library may negatively impact page speed if only a few components are used.
5. **jQuery Dependency:** Some Bootstrap components require jQuery, which can increase the overall size of the webpage.

### 3. System Analysis and PI

emphasizes the importance of a well-defined system for monitoring and evaluating dental care facilities. This section provides an analysis of the existing systems, their limitations, and the feasibility of implementing the proposed project.

#### 3.1 Existing System and Its Drawbacks

The current systems used in dental hospitals for monitoring and evaluation are often inadequate in several aspects:

1. **Lack of Standardization:** Many dental hospitals operate with different standards and protocols for patient care and record-keeping, leading to inconsistencies in data quality and treatment outcomes.
2. **Manual Processes:** The reliance on paper-based records and manual data entry increases the risk of errors, data loss, and inefficiencies in accessing patient information.
3. **Limited Patient Feedback Mechanisms:** Existing systems may not effectively capture patient feedback on their experiences, leading to a gap in understanding patient satisfaction and areas for improvement.
4. **Inadequate Data Analysis Tools:** Many dental facilities lack advanced analytics capabilities to assess performance metrics, treatment outcomes, and patient demographics, limiting their ability to make data-driven decisions.
5. **Insufficient Integration:** The lack of integration between different systems (e.g., appointment scheduling, billing, patient records) can lead to fragmented information and hinder comprehensive patient care.
6. **Regulatory Compliance Challenges:** Existing systems may not fully comply with healthcare regulations, resulting in potential legal and financial risks.

## 3.2 Feasibility Study

A feasibility study is essential to evaluate the practicality and potential success of implementing the Hospital Oversight project. The study will consider various factors:

### 1. Technical Feasibility:

- Assess the current technology infrastructure and its capacity to support the proposed system.
- Evaluate the compatibility of new software and hardware with existing systems.

### 2. Economic Feasibility:

- Analyze the costs associated with implementing the new system, including hardware, software, training, and ongoing maintenance.
- Estimate potential cost savings through improved efficiency, reduced errors, and enhanced patient satisfaction.

### 3. Operational Feasibility:

- Evaluate the organizational structure and readiness of staff to adopt the new system.
- Consider the impact on existing workflows and identify necessary changes to facilitate integration.

### 4. Legal and Regulatory Feasibility:

- Ensure that the proposed system complies with healthcare regulations, including data protection laws and patient confidentiality requirements.

### 5. Schedule Feasibility:

- Establish a timeline for implementation, including phases for system development, testing, and rollout.

## 4. Proposed System

### 4.1 Scope

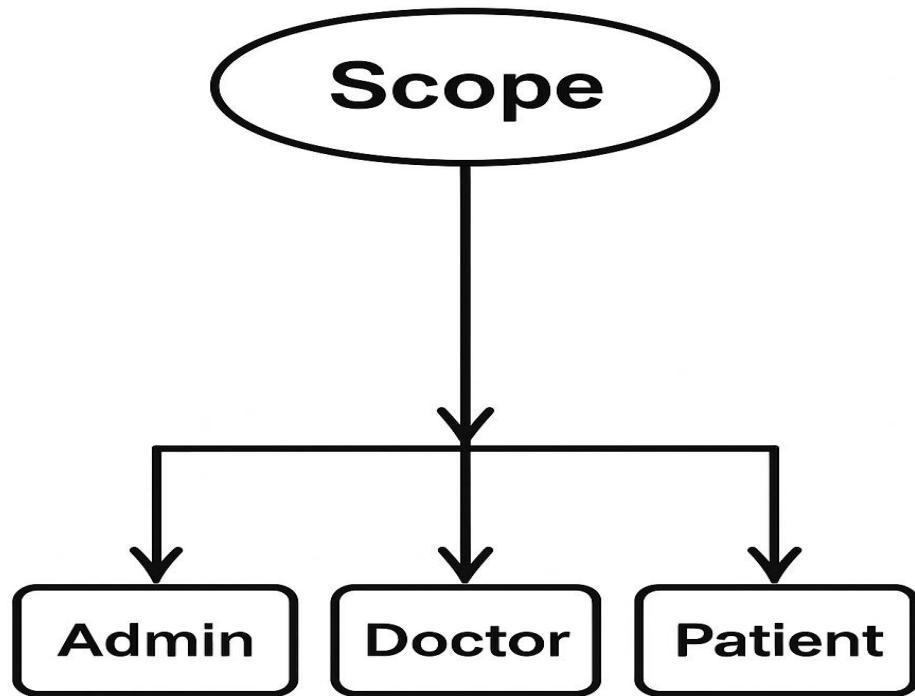
The scope of the "Hospital Oversight" project encompasses a range of functionalities essential for the effective management of a dental hospital. The specific elements of the scope are outlined below:

- **Web-Based Platform:** Develop an intuitive, web-based system that is accessible via any device with internet connectivity, enabling stakeholders to use the system anytime, anywhere.
- **Patient Management:** Enable features for patients to book appointments, view their medical history, access treatment plans, and communicate with healthcare providers directly through a secure messaging system.
- **Doctor Management:** Equip doctors with tools to manage their schedules, access patient records, document treatment plans, and communicate with other healthcare professionals. This includes functionality for telemedicine consultations to accommodate remote patient care.
- **Responsive Design:** Ensure that the system is mobile-friendly and responsive, providing a seamless user experience across various devices, including smartphones, tablets, and desktops.
- **Data Analytics and Reporting:** Implement analytics tools to monitor user interactions and preferences, enabling data-driven decision-making for improving patient care and operational efficiency.
- **Administrative Management:** Enhancing operational oversight, compliance monitoring, and reporting for improved hospital administration.
- **Appointment Scheduling:** Implement a centralized appointment scheduling system that allows patients to book, reschedule, or cancel appointments, with notifications sent to both patients and doctors.
- **Search and Filter Options:** Provide robust search and filter functionalities that allow patients to find healthcare providers, services, and treatment options based on various criteria.
- **Responsive Design:** Ensure that the system is mobile-friendly and responsive, providing a seamless user experience across various devices, including smartphones, tablets, and desktops.

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- **Data Analytics and Reporting:** Implement analytics tools to monitor user interactions and preferences, enabling data-driven decision-making for improving patient care and operational efficiency.
- **Custom Software Development:** The primary objective is to deliver a customized software solution that addresses the specific needs of a dental hospital, streamlining processes, reducing errors, and improving overall operational efficiency.
- **Doctor Permission:** Equip doctors with tools to manage their schedules, access patient records, document treatment plans, and communicate with other healthcare professionals. This includes functionality for telemedicine consultations to accommodate remote patient care.
- **Scheduling:** Implement a centralized appointment scheduling system that allows patients to book, reschedule, or cancel appointments, with notifications sent to both patients and doctors.

## 4.2Project Modules



The "Hospital Oversight" system is organized into specific modules designed to address the needs of patients, doctors, and administrative staff, ensuring efficient management and operational oversight within the dental hospital.

- **PATIENT MODULE:**

1. **Patient Access:**

- Patients can visit the portal to explore available dental services, treatments, and educational resources about oral health.

2. **Registration:**

- The registration module allows new patients to create an account. Patients must provide personal information such as name, email, phone number, and password to access additional features and personalized services.

3. **Login:**

- This module enables registered patients to log in to their accounts. After logging in, patients can access their medical history, schedule appointments, and manage treatment plans.

4. **Appointment Management:**

- Patients can view available appointment slots, schedule new appointments, reschedule existing ones, and cancel appointments through

## Dental Homes

this module. Notifications for reminders and confirmations are sent via email or SMS.

### 5. Appointment History:

- Patients can view their past treatments, including details of procedures performed, dates, and the treating dentist, ensuring they have access to their complete dental history.

### 6. Profile Management:

- Patients can update their personal information, including contact details and medical history, ensuring that their records are accurate and up-to-date.

- **DOCTOR MODULE:**

1. **Doctor Dashboard:**

- Doctors have access to a dashboard displaying their schedule, upcoming appointments, and patient lists, providing a comprehensive view of their daily activities.

2. **Patient Management:**

- This module allows doctors to view detailed patient profiles, including medical history, treatment records, and appointment details, facilitating personalized care.

3. **Appointment Scheduling:**

- Doctors can manage their appointment slots, accept or decline patient appointments, and reschedule as necessary to ensure optimal patient flow.

- **ADMIN MODULE:**

1. **Admin Dashboard:**

- The admin dashboard provides an overview of the hospital's operational metrics, including patient registrations, appointment statistics, and financial summaries.

2. **Patient Management:**

- Admins can manage patient and doctor accounts, including creating new accounts, updating information, and deactivating accounts as needed.

3. **Appointment Management:**

- Admins can view all scheduled appointments, manage schedules for doctors, and handle any conflicts or issues that may arise.

4. **Reports and Analytics:**

- Admins can generate various reports, including patient demographics, service usage statistics, and financial performance, providing insights for strategic planning.

5. **Communication Management:**

- Admins can oversee communication with patients and staff, ensuring timely responses to inquiries and maintaining effective communication flow.

6. **System Settings and Configuration:**

- This module allows admins to configure system settings, manage user roles and permissions, and maintain overall system integrity and security.

### **4.3Module wise objectives and functionalities**

The "**Hospital Oversight**" system aims to enhance the management of dental care services, improving efficiency and patient satisfaction through various functionalities in the patient, doctor, and admin modules.

- **PATIENT MODULE:**

1. **Comprehensive Service Range:**

- Provide a wide selection of dental services and treatments, including preventive care, cosmetic dentistry, orthodontics, and oral surgery, catering to diverse patient needs.

2. **Appointment Scheduling:**

- Enable patients to easily book, reschedule, or cancel appointments through an intuitive interface, ensuring convenience and accessibility.

3. **Detailed Appointment Information:**

- Offer comprehensive descriptions of dental procedures, including benefits, risks, recovery, and costs, helping patients make informed decisions about their dental care.

4. **Secure Patient Records:**

- Implement secure storage for patient medical histories, treatment plans, and prescriptions, ensuring confidentiality and easy access for both patients and healthcare providers.

5. **Patient Accounts and Profiles:**

- Allow patients to create and manage personal accounts, saving their preferences, appointment history, and treatment details for future reference.

6. **Book Appointment for Treatments:**

- Provide real-time tracking of treatment progress and follow-up appointments, ensuring patients stay informed about their dental care journey.

- **DOCTOR MODULE:**

1. **Doctor Dashboard:**

- Provide a personalized dashboard for doctors to manage their schedules, view patient appointments, and access treatment histories at a glance.

2. **Patient Management:**

- Allow doctors to view and update patient profiles, including medical histories, treatment records, and notes, facilitating personalized patient care.

3. **Appointment Management:**

- Enable doctors to manage their appointment schedules, accept or decline patient bookings, and set availability, ensuring efficient time management.

4. **Treatment Documentation:**

- Allow doctors to document treatments performed, update patient care plans, and ensure accurate records are maintained for every patient.

5. **Analytics and Reporting:**

- Enable doctors to access performance metrics, including patient outcomes and service utilization, for ongoing improvement and informed decision-making.

- **ADMIN MODULE:**

1. **Admin Dashboard:**

- Provide an overview of hospital operations, including patient statistics, appointment schedules, and financial reports, facilitating effective management.

2. **Patient Management:**

- Allow admins to manage patient and doctor accounts, including the ability to add, edit, or deactivate accounts as necessary for security and efficiency.

3. **Appointment Oversight:**

- Enable admins to oversee all scheduled appointments, manage conflicts, and ensure that the scheduling system operates smoothly.

4. **Reports and Analytics:**

- Generate comprehensive reports on patient demographics, service utilization, and financial performance, providing insights for strategic planning.

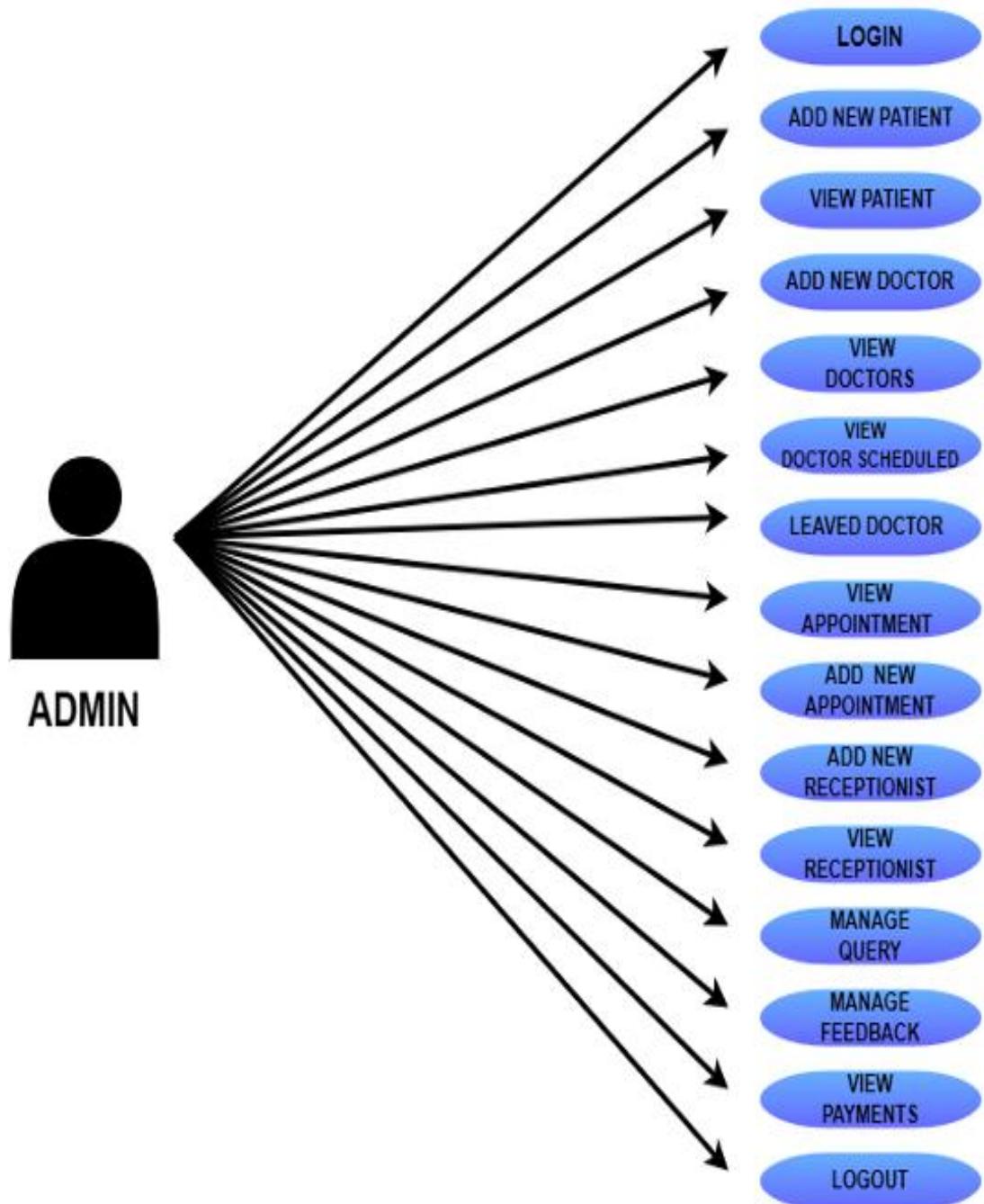
5. **System Configuration:**

- Allow admins to configure system settings, manage user roles and permissions, and ensure overall system security and integrity.

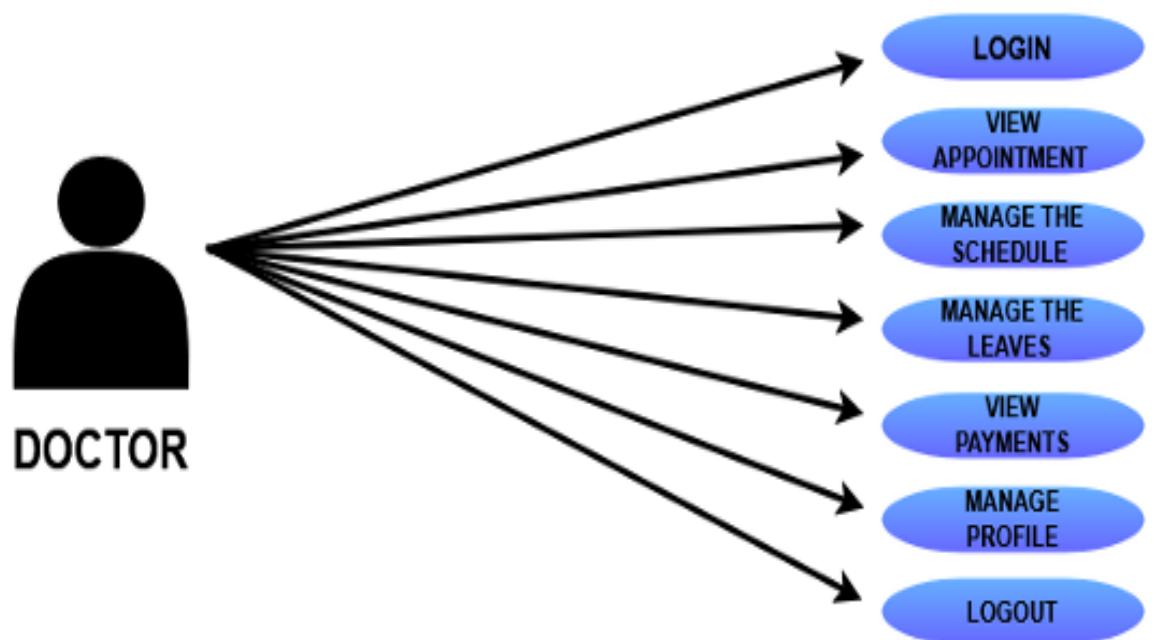
## 5.Detail Planning

### 5.1 Use-Case Diagram:

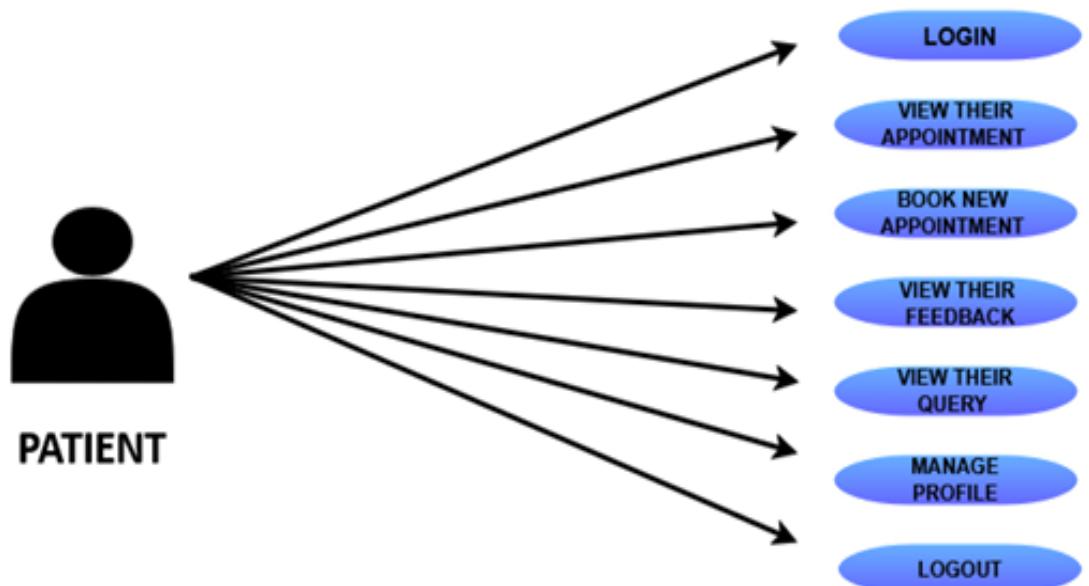
#### 1. Use-Case for Admin:



## 2. Use-Case for Doctor:

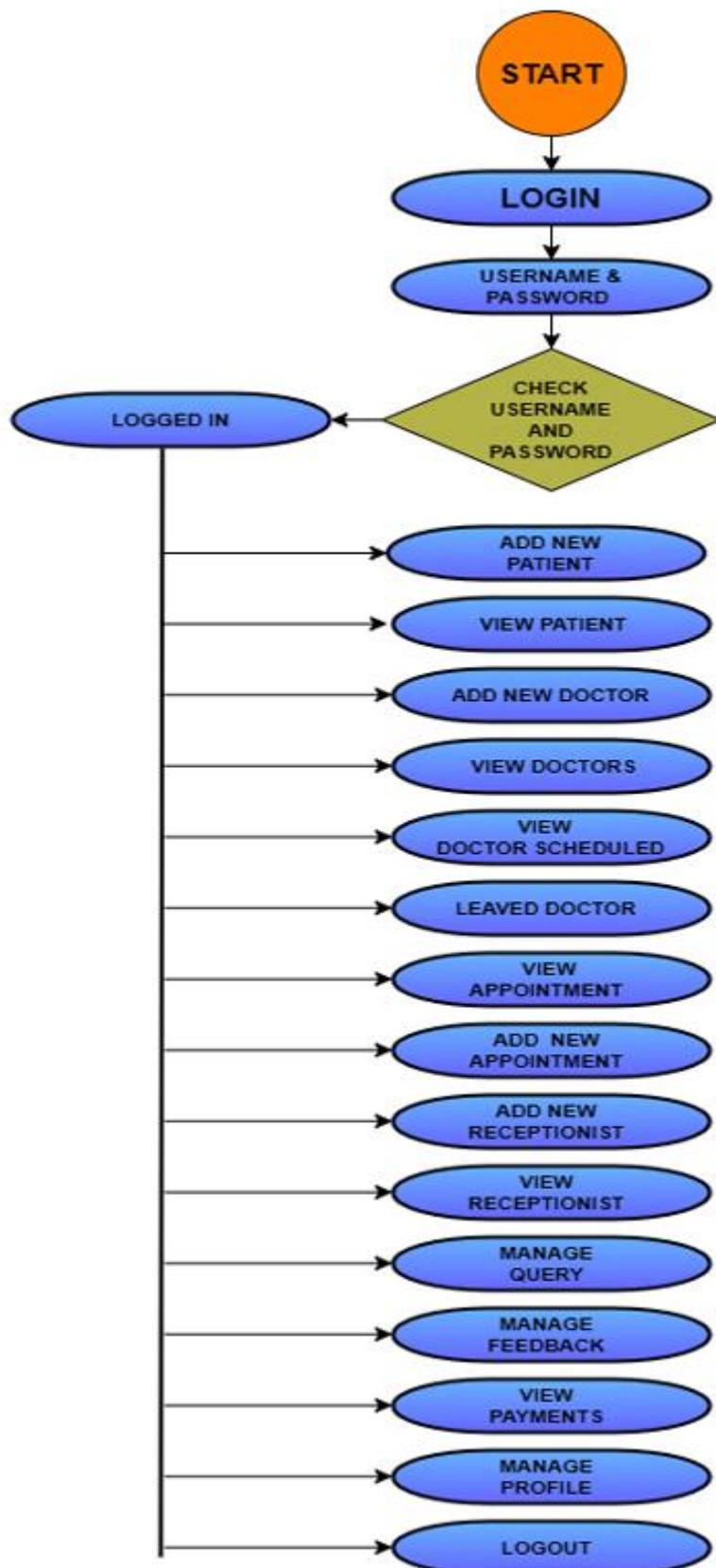


## 3. Use-Case for Patient:

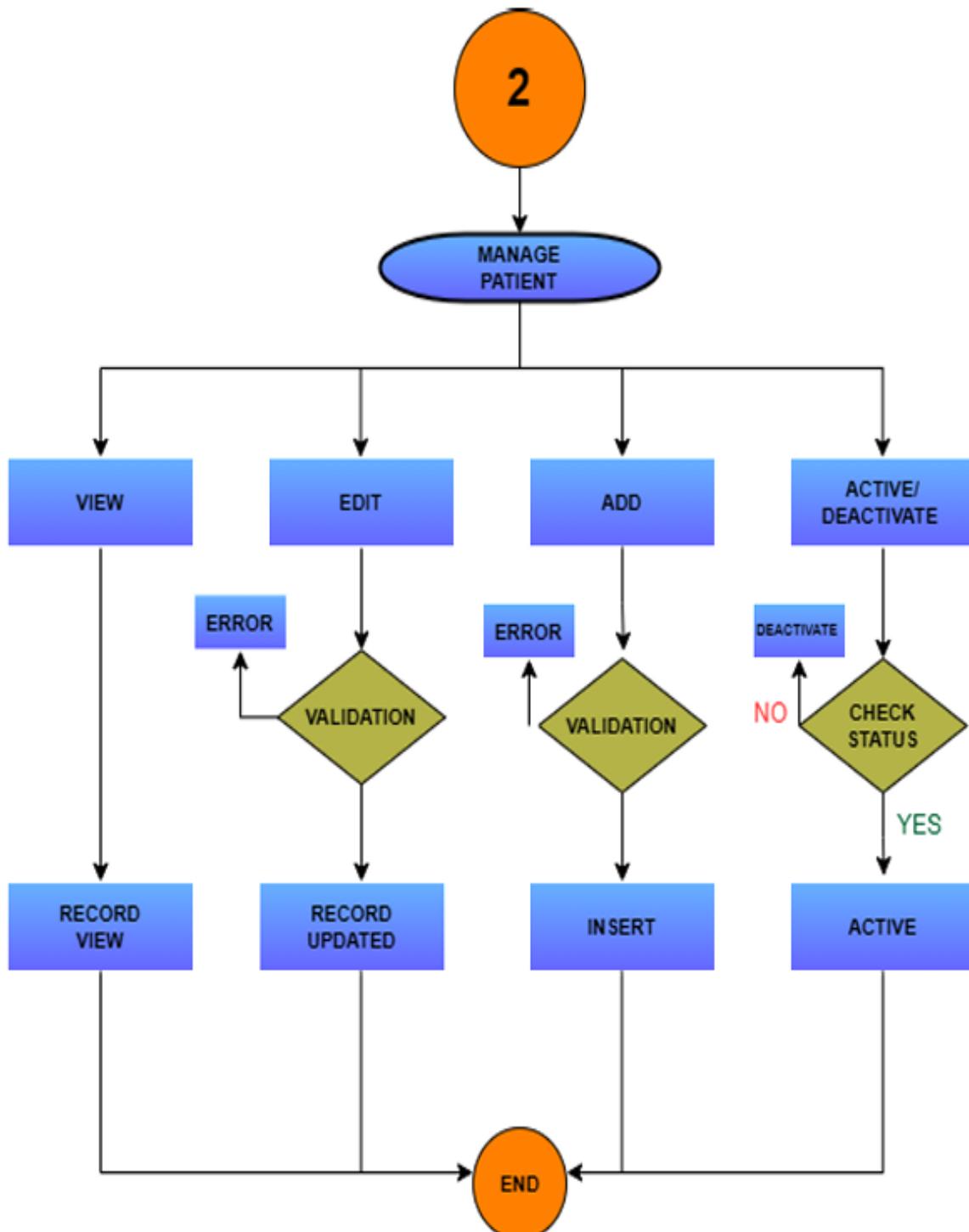


## 5.2 Flow Chart:

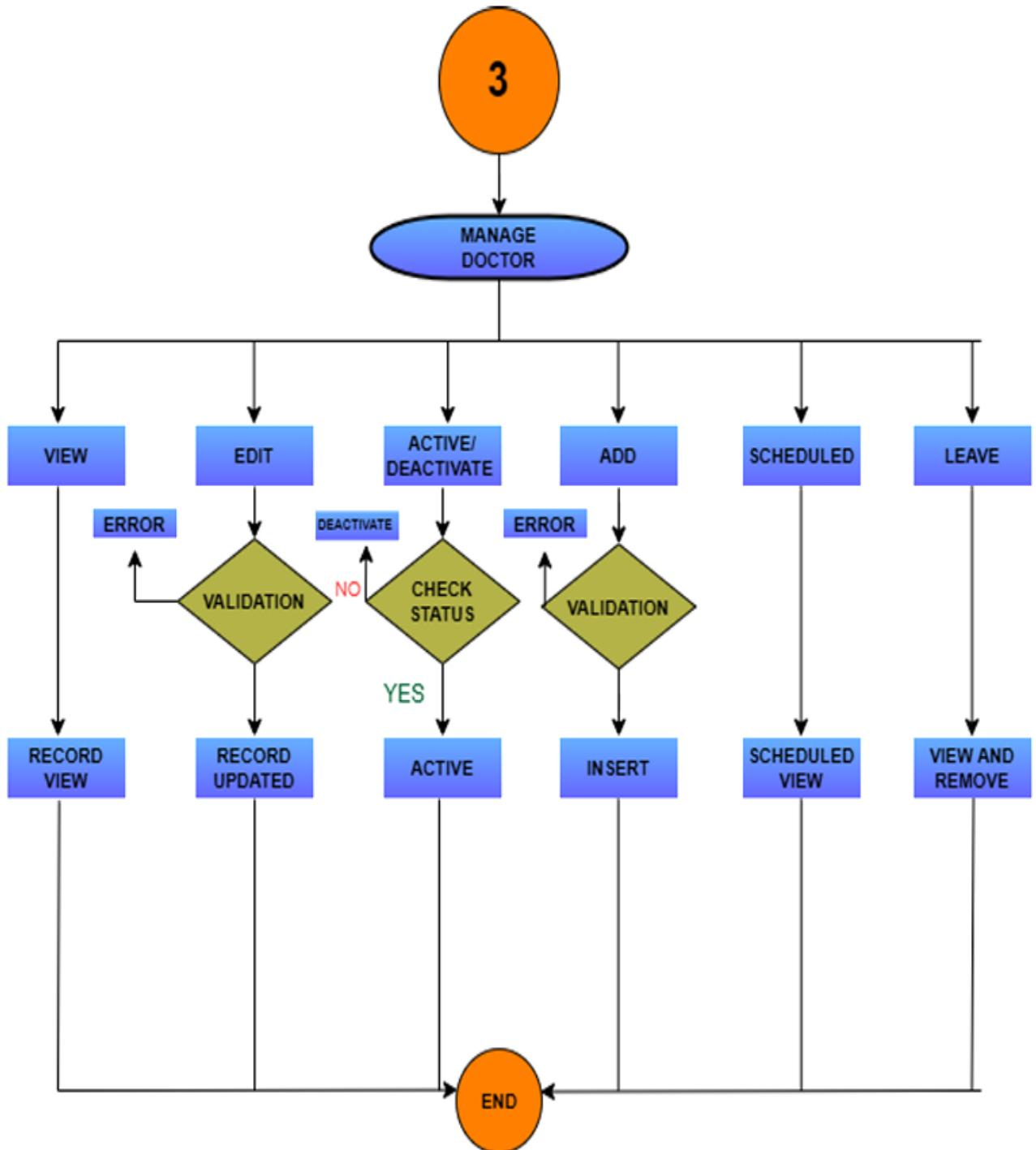
### 1. Admin:



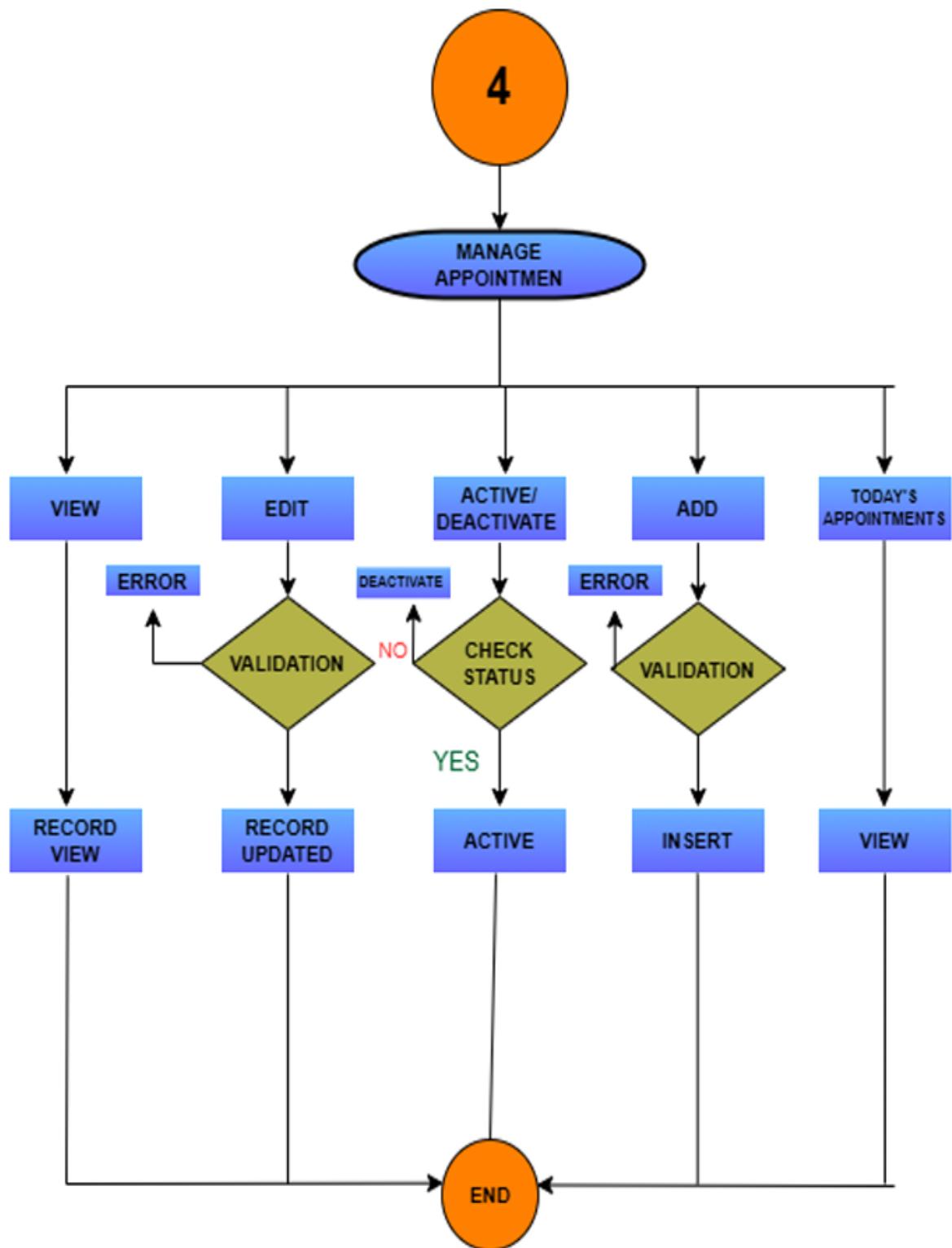
## 2. Admin Manage Patient:



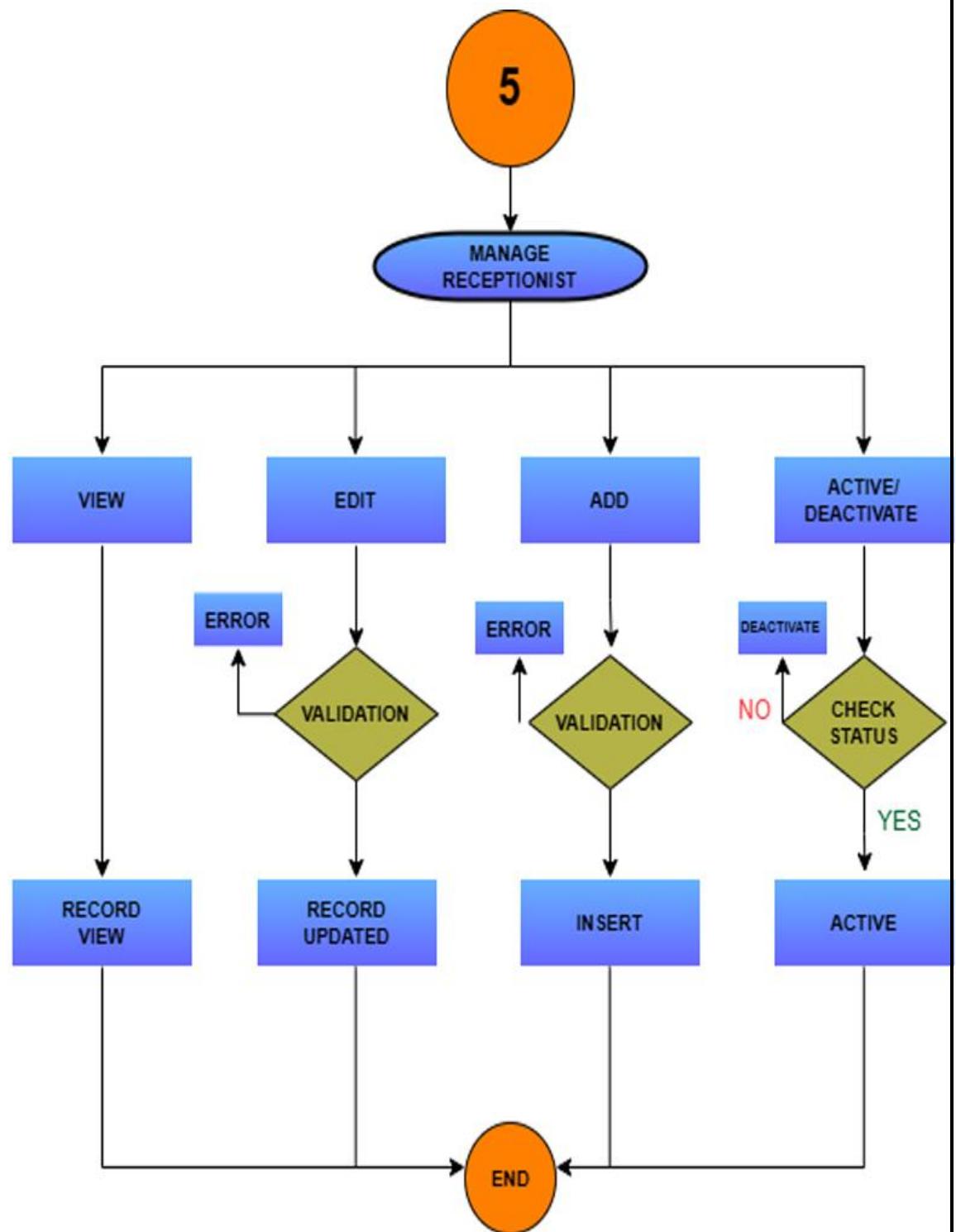
### 3. Admin manage Doctor



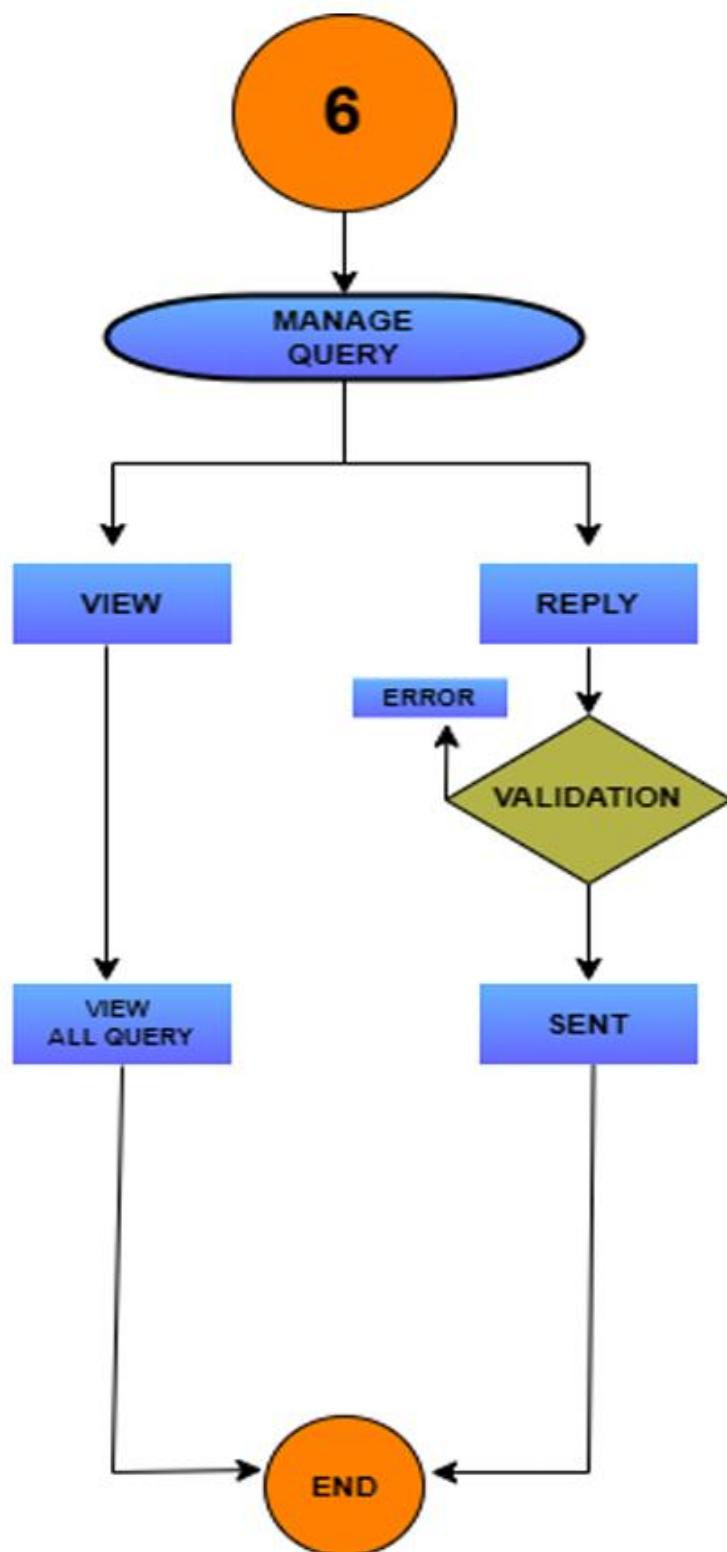
#### 4. Admin Manage Appointment:



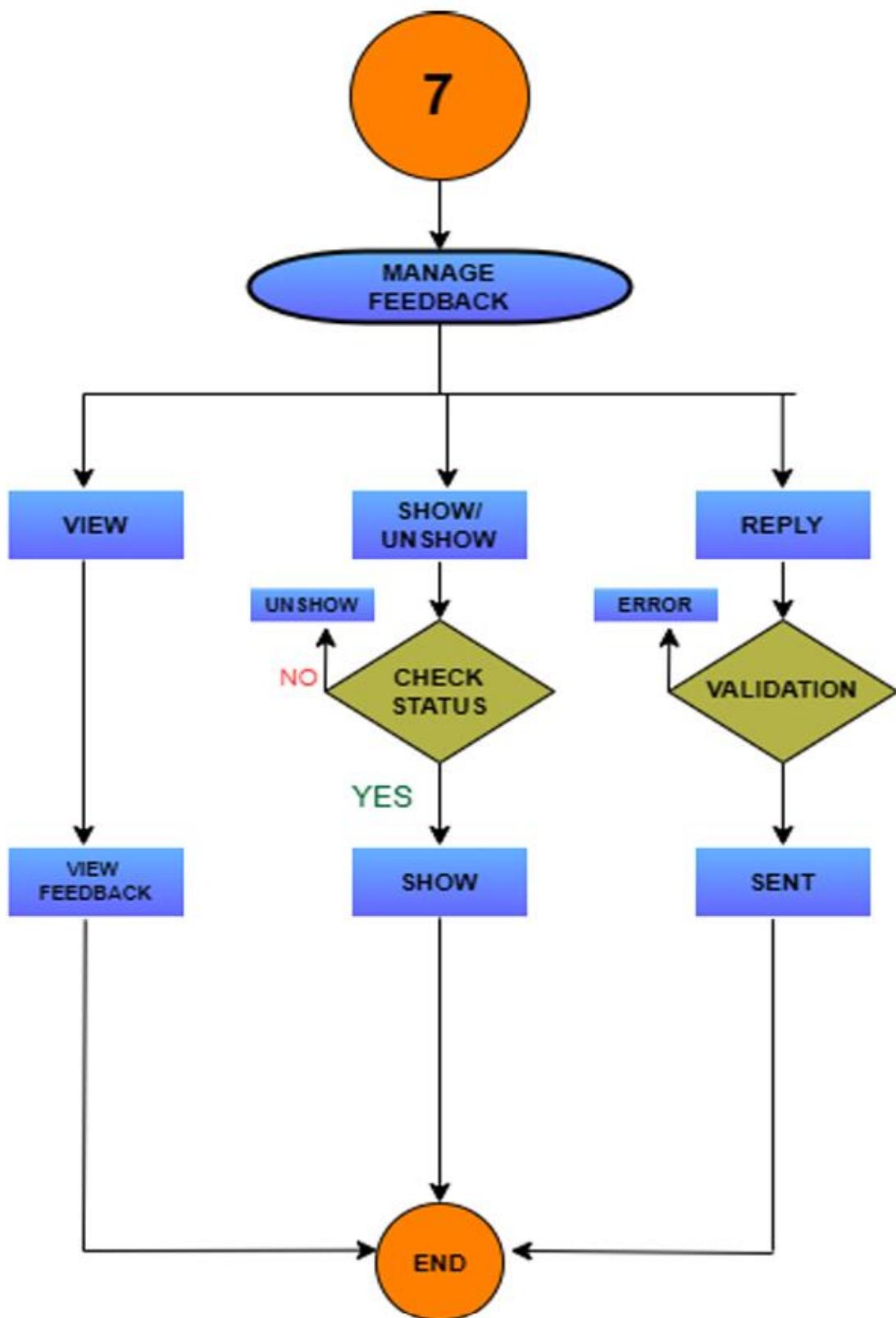
### 5. Admin manage Receptionist:



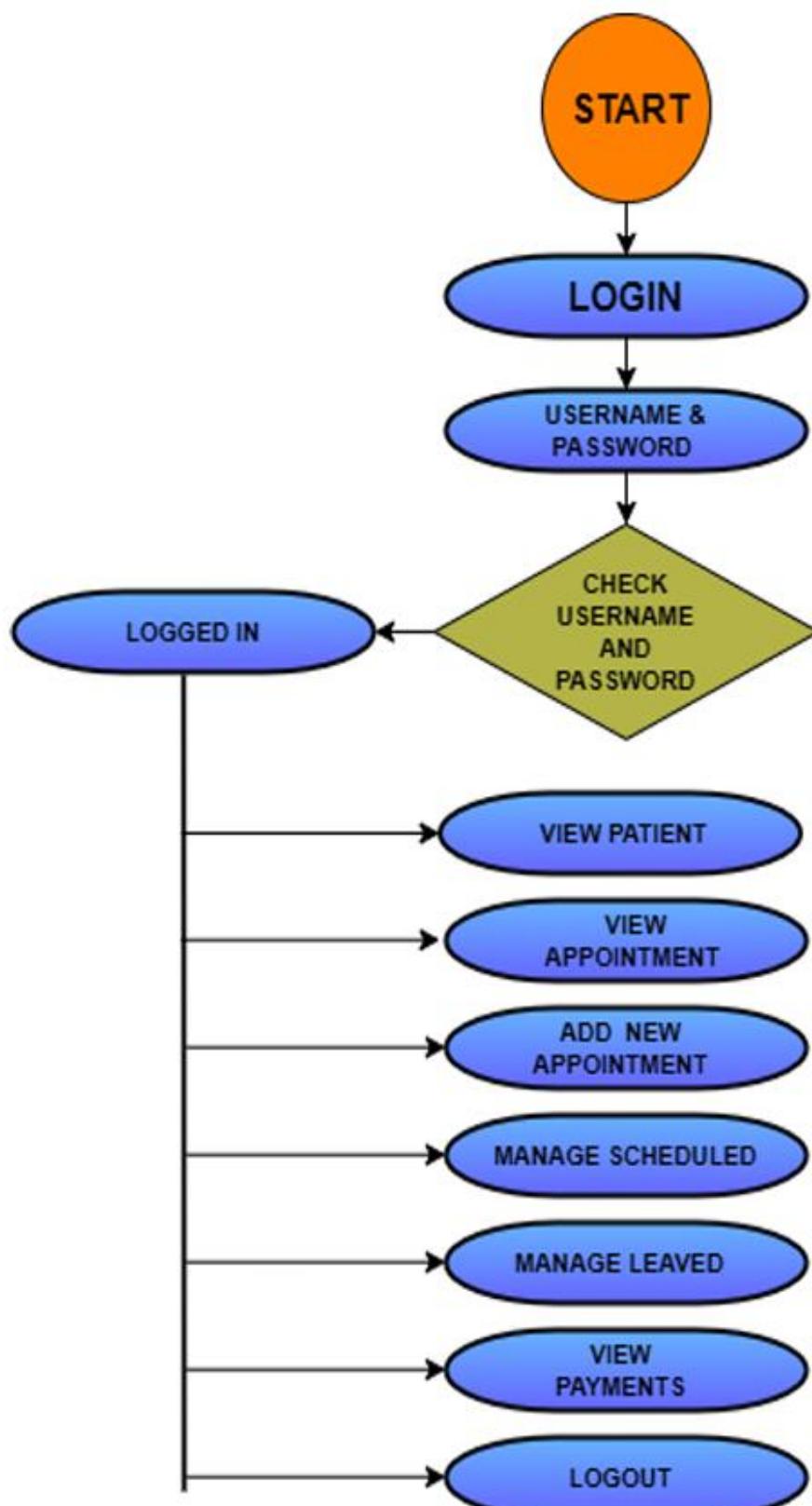
## 6. Admin Manage Query:



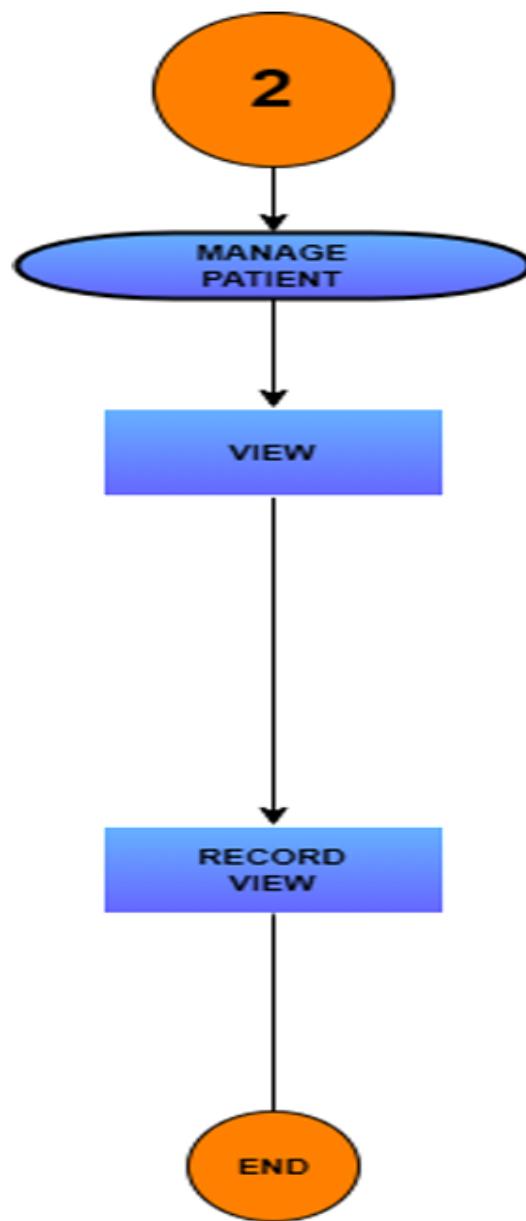
## 7. Admin Manage FeedBack:



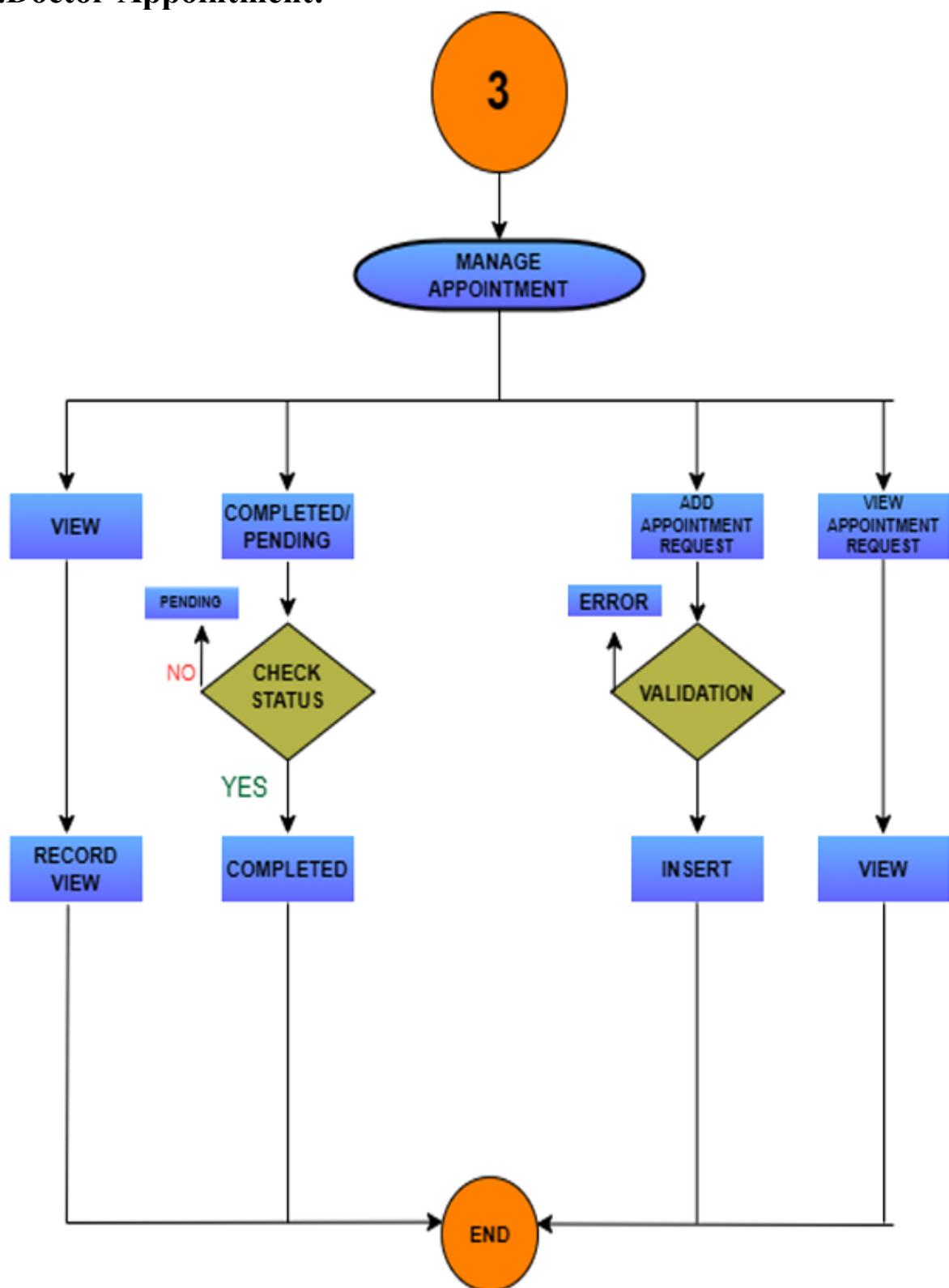
2) Doctor:



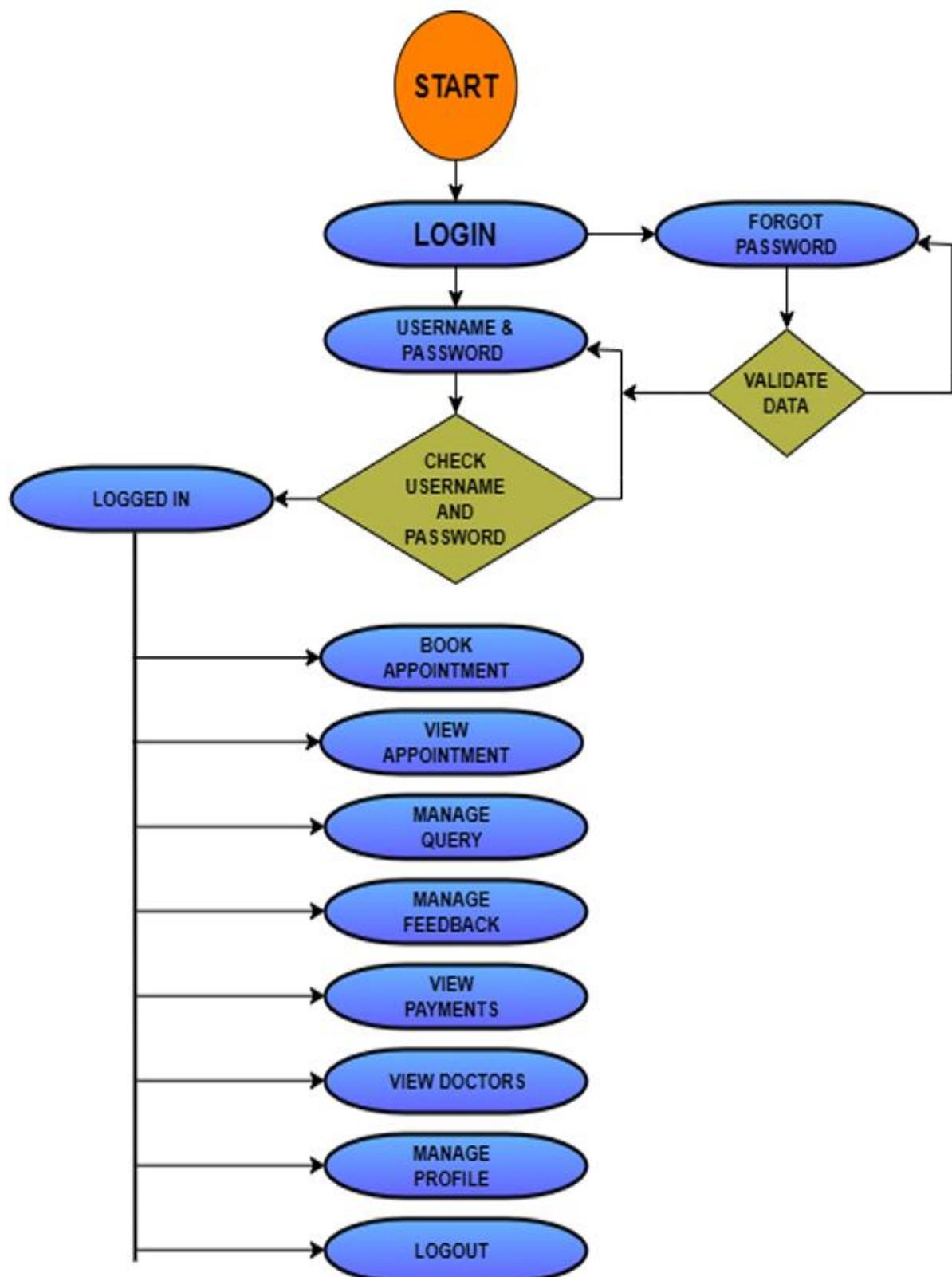
**2. Doctor-patient:**



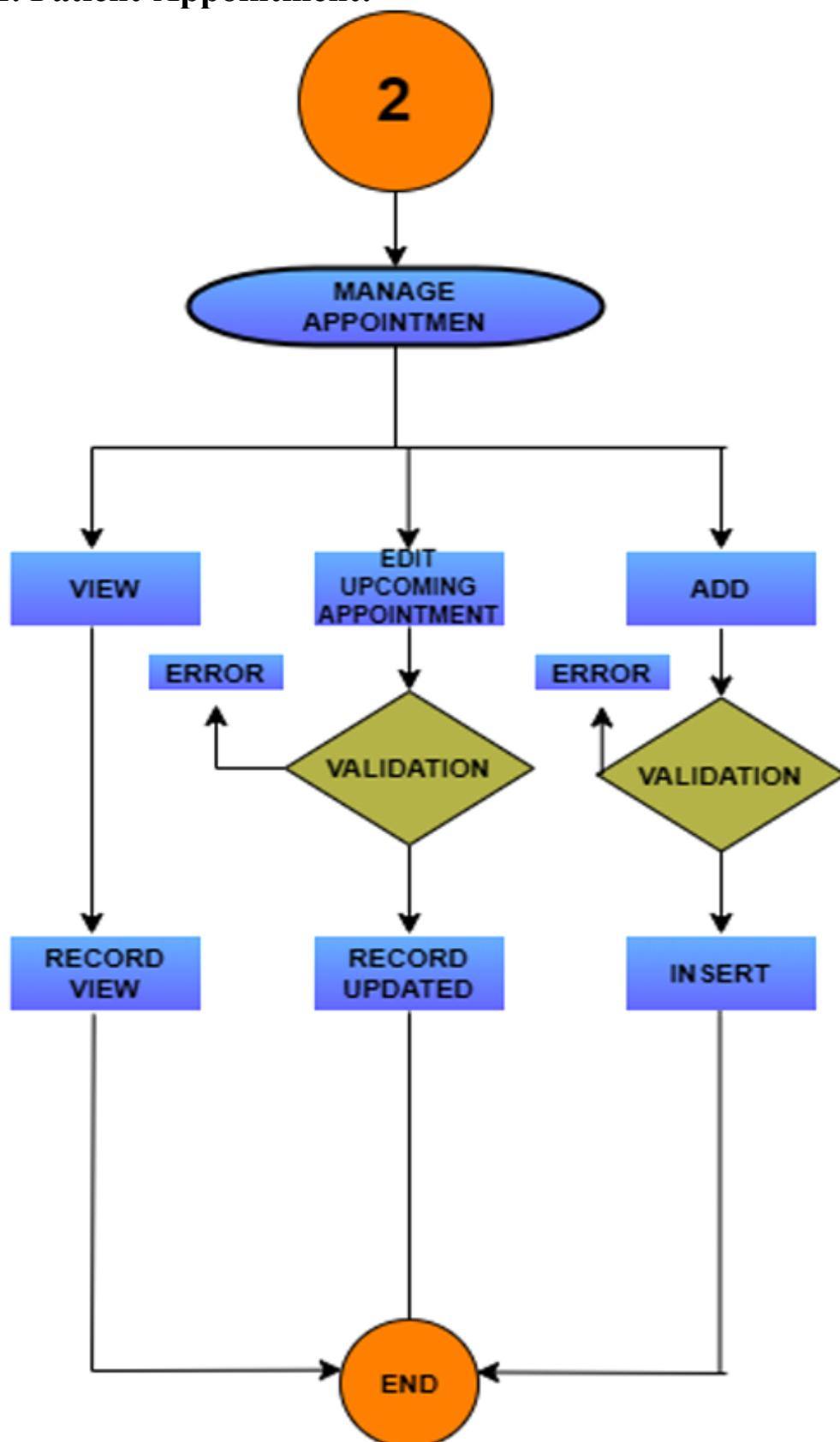
### 3.Doctor-Appointment:



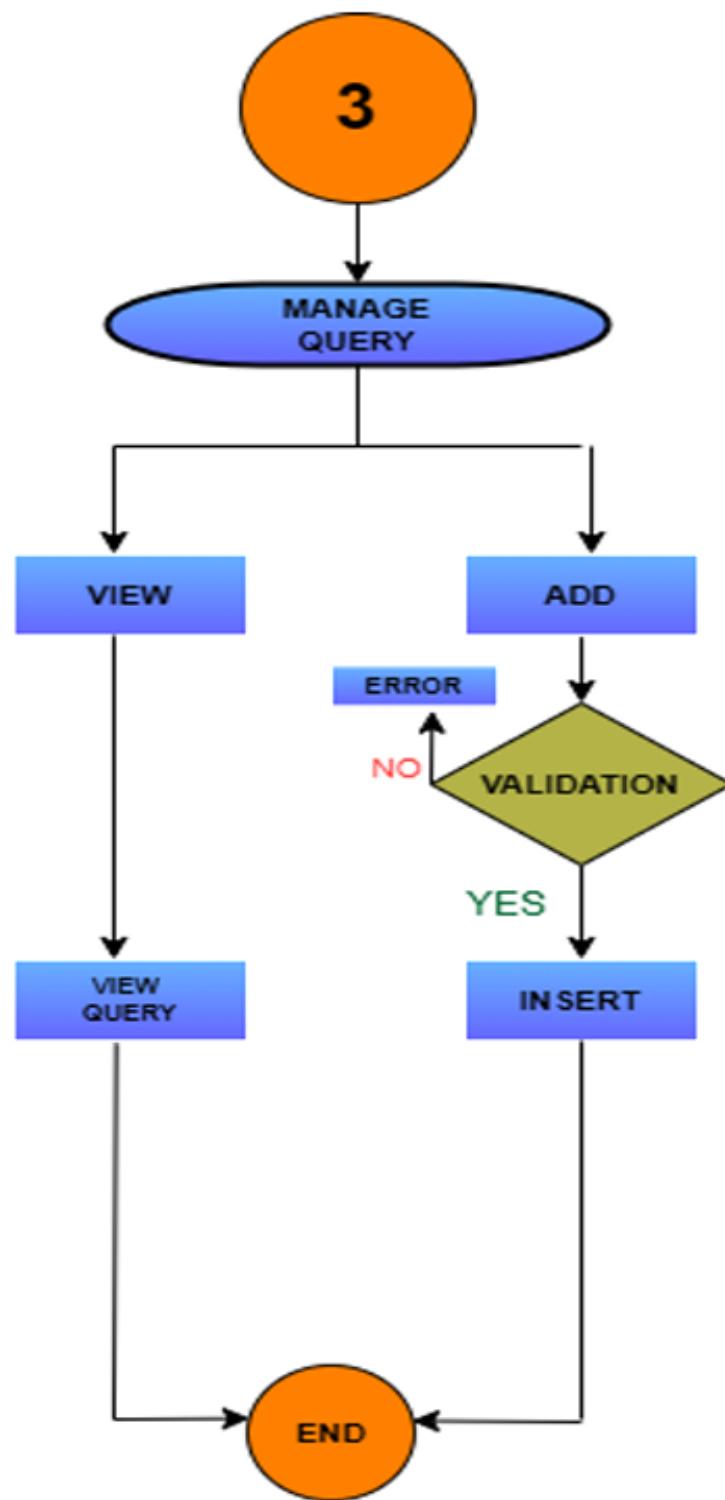
3)Patient:



## 2. Patient-Appointment:

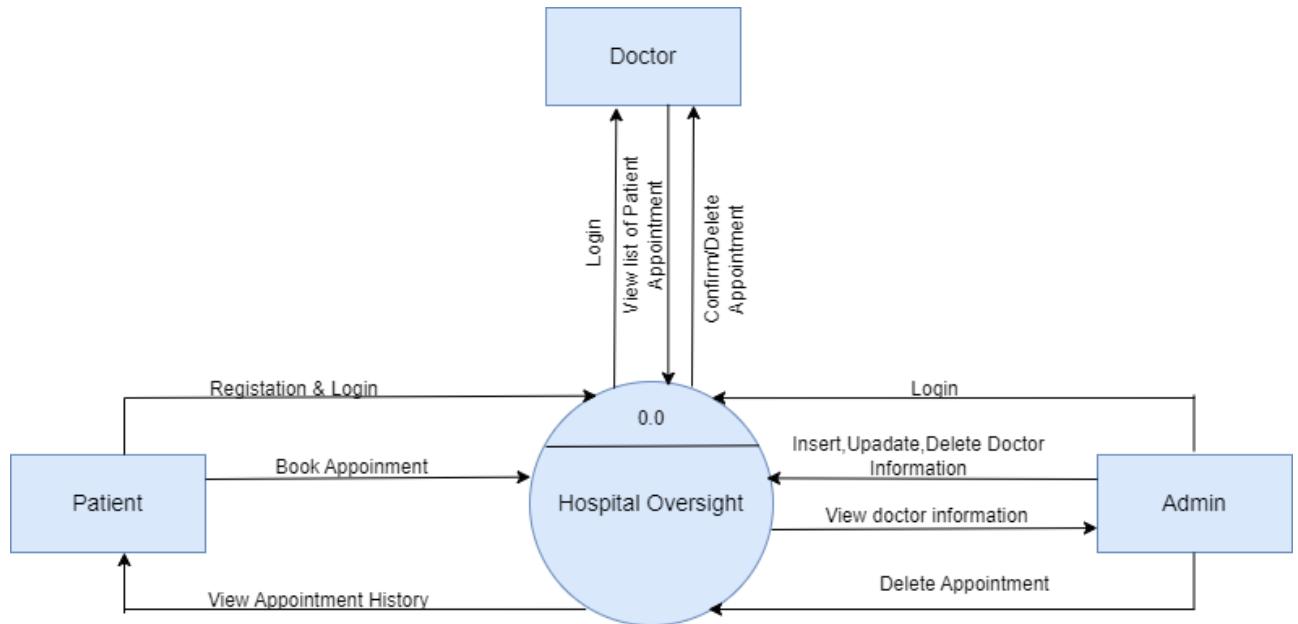


### 3. Patient-Query:



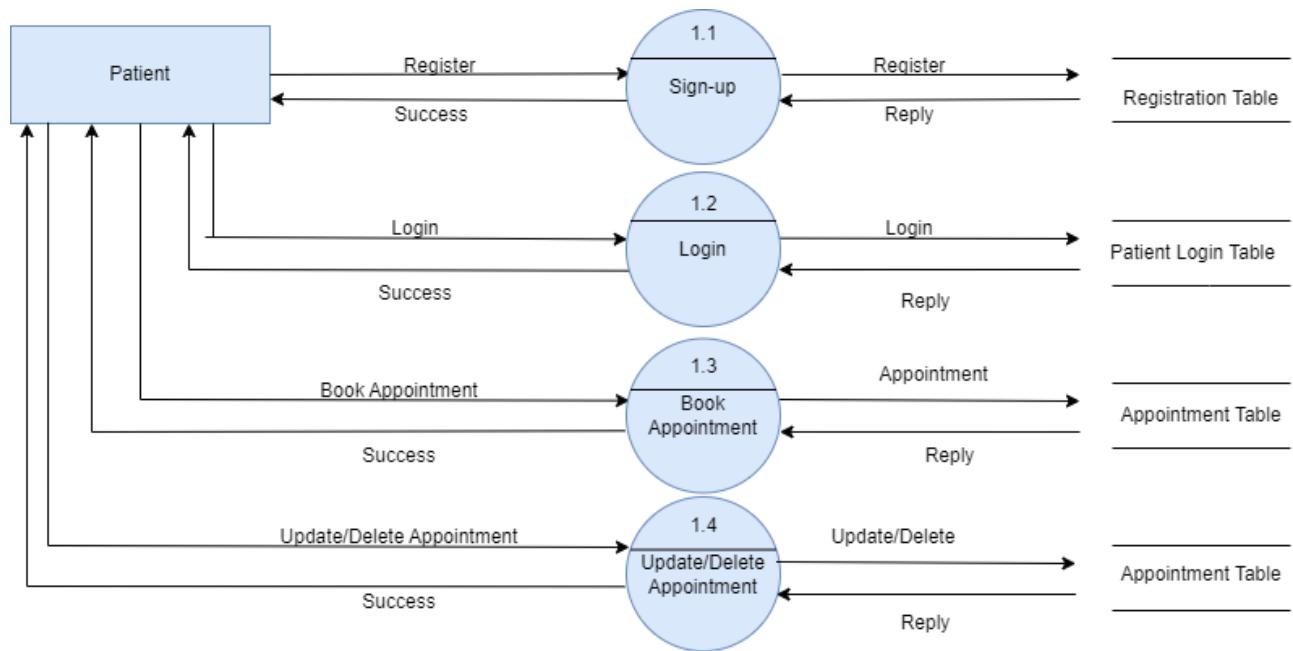
### 5.3 Data flow diagram

- 0 Level DFD Diagram

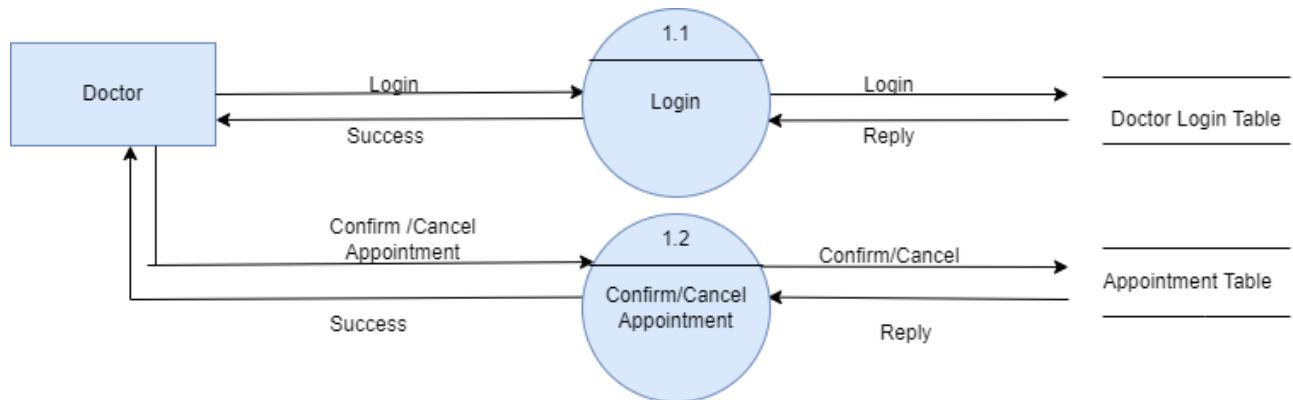


## Dental Homes

- 1 Level Patient DFD Diagram

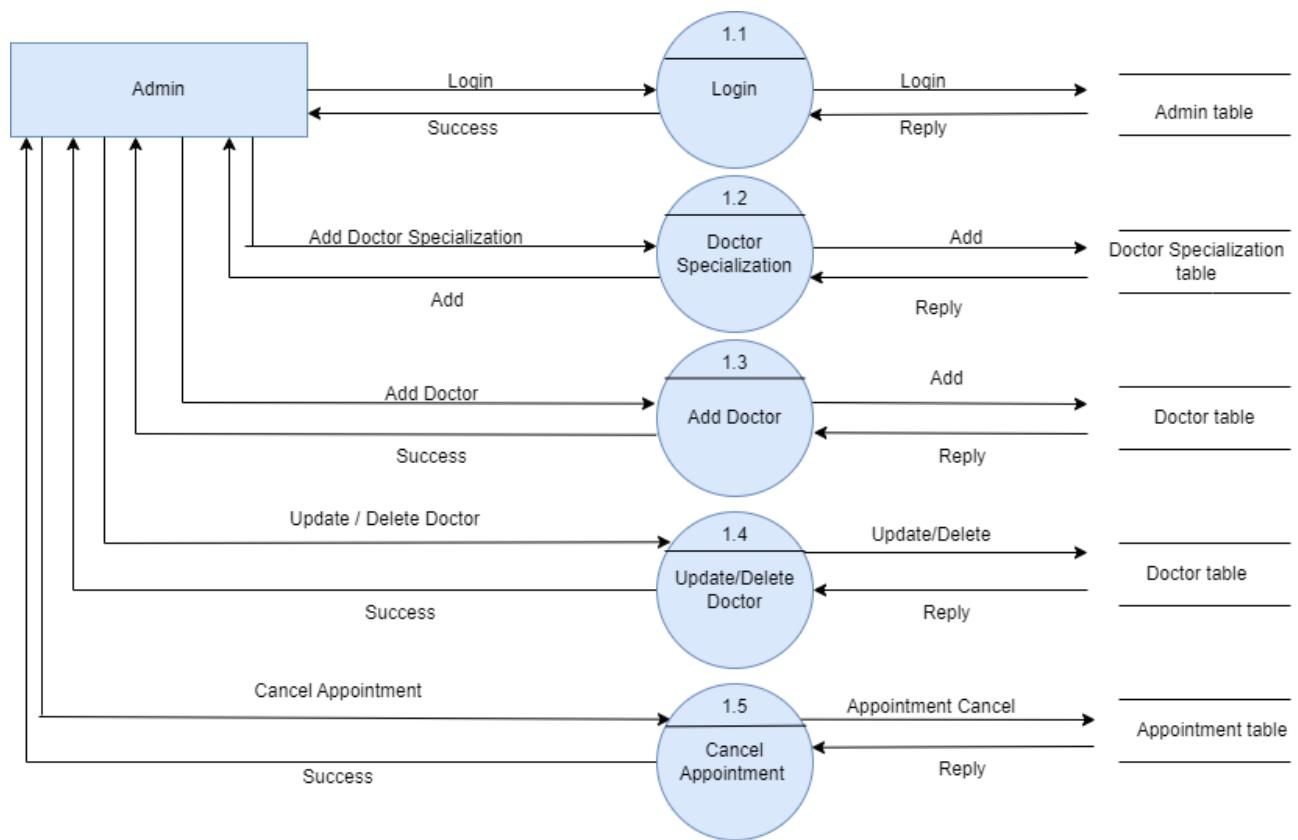


- 1 Level Doctor DFD Diagram



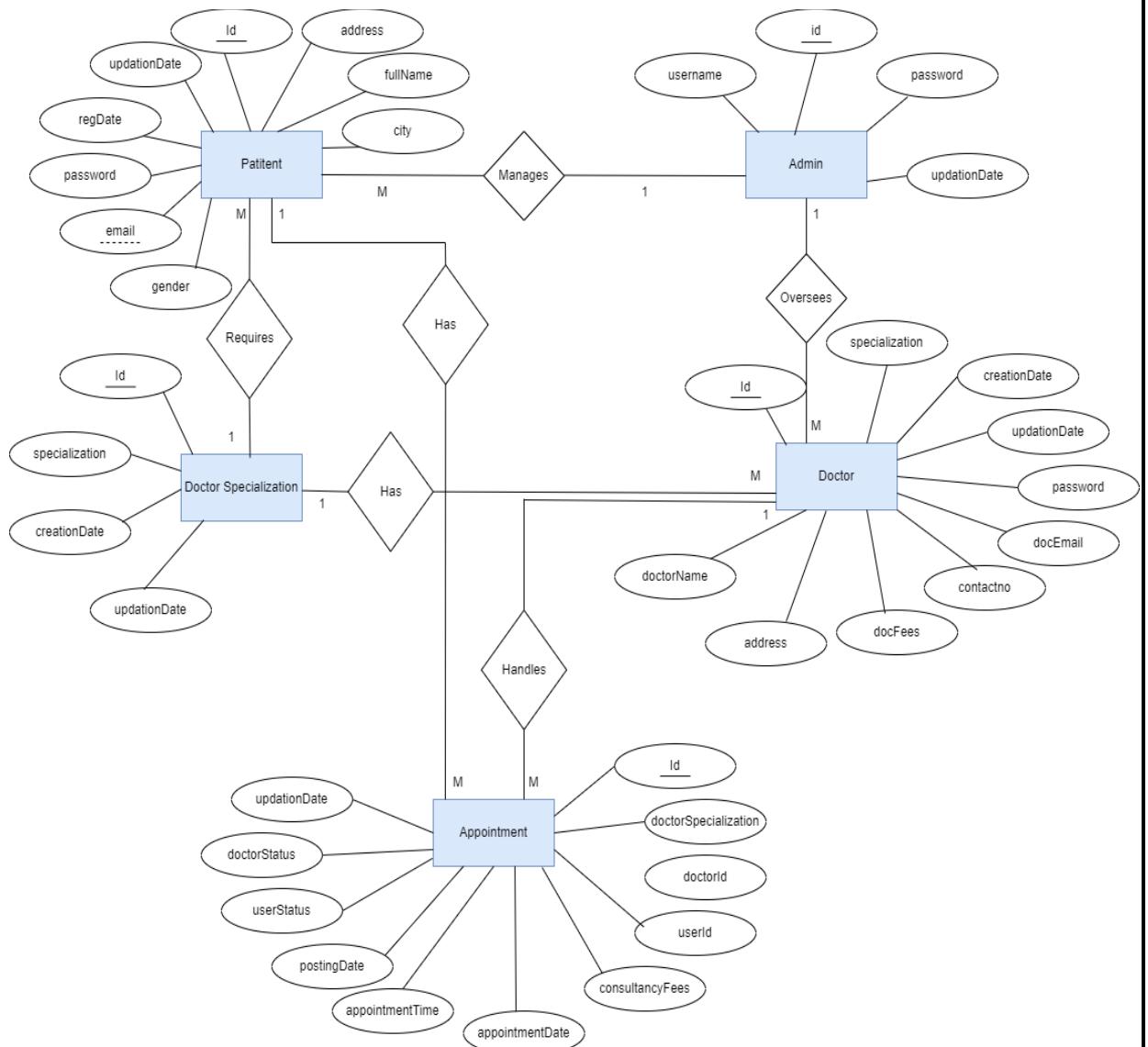
# Dental Homes

- 1 Level Admin DFD Diagram



# Dental Homes

## 5.3 Entity – Relationship diagram



## 5.2 Data Dictionary

### 1.Table Name : Admin

No.	FIELD_NAME	DATATYPE	SIZE	CONSTRAINTS
1	id(pk)	Int	11	Primary key
2	username	Varchar	255	Not null
3	password	Varchar	255	Not null
4	updationDate	Varchar	255	Not null

### 2.Table Name : Appointment

No.	FIELD_NAME	DATATYPE	SIZE	CONSTRAINTS
1	id(pk)	Int	11	Primary key
2	doctorSpecialization	Varchar	255	Not null
3	doctorid	Int	11	Not null
4	userid	Int	11	Not null
5	consultancyFees	Int	11	Not null
6	appointmentDate	Varchar	255	Not null
7	appointmentTime	Varchar	255	Not null
8	postingDate	Timestamp		Not null
9	userStatues	Int	11	Not null
10	doctorStatues	Int	11	Not null
11	updationDate	Timestamp		Not null

### 3.Table Name : Doctor-Specialization

No.	FIELD_NAME	DATATYPE	SIZE	CONSTRAINTS
1	id(pk)	Int	11	Primary key
2	specialization	Varchar	255	Not null
3	creationDate	Timestamp		Crrunt_timestamp()
4	updationDate	Timestamp		Not null

### 4.Table Name : Patient Table

No.	FIELD_NAME	DATATYPE	SIZE	CONSTRAINTS
1	id(pk)	Int	11	Primary key
2	fullName	Varchar	255	Not null
3	address	Longtext		Not null
4	city	Varchar	255	Not null
5	gender	Varchar	255	Not null
6	email	Varchar	255	Not null
7	password	Varchar	255	Not null
8	regDate	Timestamp		Not null
9	updationDate	Timestamp		Not null

**5.Table Name : Doctor Table**

No.	FIELD_NAME	DATATYPE	SIZE	CONSTRAINTS
1	id(pk)	Int	11	Primary key
2	specialization	Varchar	255	Not null
3	doctorName	Varchar	255	Not null
4	address	Longtext		Not null
5	docFees	Varchar	255	Not null
6	contactno	Bigint	11	Not null
7	docEmail	Varchar	255	Not null
8	password	Varchar	255	Not null
9	creationDate	Timestamp		Not null
10	updationDate	Timestamp		

## 6. System Design

### 6.1 Input Design

When discussing **input design for hospital oversight** in the context of web pages like the **Home Page, Services Page, About Us Page, Contact Us Page, and Gallery Page**, the design is focused on how data and information are presented and gathered from users (patients, visitors, and staff) through a hospital's website or oversight portal. Below is a breakdown of what input design might involve for each page:

#### 1. Home Page:

- **Input Fields:**
  - **Search Bar:** For users to search for specific information such as services, doctors, or departments.
  - **Login/Sign-up Forms:** For patients or staff to log in to their accounts or register for services like online consultations or medical record access.
- **Design Considerations:**
  - The homepage should be intuitive, offering quick access to important sections such as appointments, contact information, and emergency services.
  - Input validation for login credentials or registration fields (e.g., email, phone number).

#### 2. Services Page:

- **Input Fields:**
  - **Appointment Booking Form:** Patients can select the service they need, choose a doctor, and schedule an appointment.
  - **Drop-Down Menus:** To filter services by type (e.g., cardiology, orthopedics, surgery) and the ability to select dates and times for consultations.
  - **Feedback or Inquiry Forms:** Users can leave feedback or ask questions about specific services.
- **Design Considerations:**

## Dental Homes

- Clear labeling of medical services, with forms that validate input (e.g., ensuring patients select valid appointment dates and available doctors).
- Provide input options to upload medical documents or insurance details.

### 3. About Us Page:

- **Input Fields:**
  - **Subscription Form:** Option for visitors to sign up for newsletters or hospital updates.
  - **Links to Social Media or Further Information:** Clickable sections that might open forms or provide more details about hospital history, mission, or management.
- **Design Considerations:**
  - Simple and informative, with minimal need for input, but an easy-to-navigate structure.
  - Emphasis on presenting essential details like hospital accreditation, leadership, and core values.

### 4. Contact Us Page:

- **Input Fields:**
  - **Contact Form:** Typically includes fields for the user's name, email address, phone number, and a message or inquiry section.
  - **Emergency Contact Options:** A quick link or input form that directs users to emergency departments or hotlines.
- **Design Considerations:**
  - Input validation to ensure accurate contact details (e.g., phone number format, email verification).
  - Geolocation tools for users to input their location for ambulance or urgent services.

## 5. Gallery Page:

- **Input Fields:**
  - **Comments or Feedback Section (Optional):** Allows visitors to comment on the gallery or images.
  - **Share Buttons:** Input options for users to share content from the gallery on social media platforms.
- **Design Considerations:**
  - Minimal input needed, but users should be able to navigate easily through the images or videos.

## 6.2 Output Design

Output design in hospital oversight focuses on how information is displayed to users, ensuring that the data presented on the website or system interface is clear, accessible, and meaningful. The output design is crucial because it directly impacts the user experience and helps in delivering the right information for decision-making, patient care, and hospital management. Here's a breakdown of what output design might involve for each of the pages:

### 1. Home Page:

- **Output Elements:**
  - **Welcome Banner or Key Notices:** Displays important announcements, such as new services, COVID-19 protocols, or emergency information.
  - **Navigation Menu:** Clearly displays links to various sections like services, about us, contact information, and patient portals.
  - **Search Results:** When users input a query in the search bar, the system outputs relevant results, including doctor profiles, services, or other hospital-related data.
  - **Login/Account Status:** If users log in, the homepage should output a personalized dashboard with relevant information such as upcoming appointments, test results, or billing information.
- **Design Considerations:**
  - Ensure information is presented clearly and dynamically, updating as users interact with the page (e.g., displaying upcoming appointment details after login).
  - Mobile-friendly layout to ensure information is displayed correctly on all devices.

### 2. Services Page:

- **Output Elements:**
  - **Service Listings:** Clear presentation of all available medical services, each with short descriptions, icons, or images.
  - **Doctor Profiles:** Display of doctor details, specializations, availability, and contact information for specific services.

- **Appointment Confirmation:** When patients book an appointment, the system should output a confirmation message with appointment details, doctor name, date, and time.
- **Search Filters:** If users filter services by type or specialty, the page should output refined results that match their selection.
- **Design Considerations:**
  - Structured layout to help users easily find and understand the services offered by the hospital.
  - User-friendly design for appointment confirmation and receipt, ideally with options to print or save details.

### 3. About Us Page:

- **Output Elements:**
  - **Hospital Information:** Outputs key information about the hospital's history, mission, vision, and management in a readable, structured format.
  - **Staff Profiles:** Short biographies or profiles of key hospital personnel such as directors, senior doctors, and administrators.
  - **Milestones or Achievements:** Displays timelines or lists of awards, certifications, and important hospital milestones.
- **Design Considerations:**
  - Information should be visually appealing and easy to navigate, with sections or tabs for each piece of content.
  - Images and multimedia content (e.g., videos, infographics) to visually complement the text output.

### 4. Contact Us Page:

- **Output Elements:**
  - **Contact Information:** Clearly outputs hospital contact details including phone numbers, email addresses, and physical addresses for different departments.
  - **Map and Directions:** Displays an interactive map that provides the hospital's location, including directions and nearby landmarks.

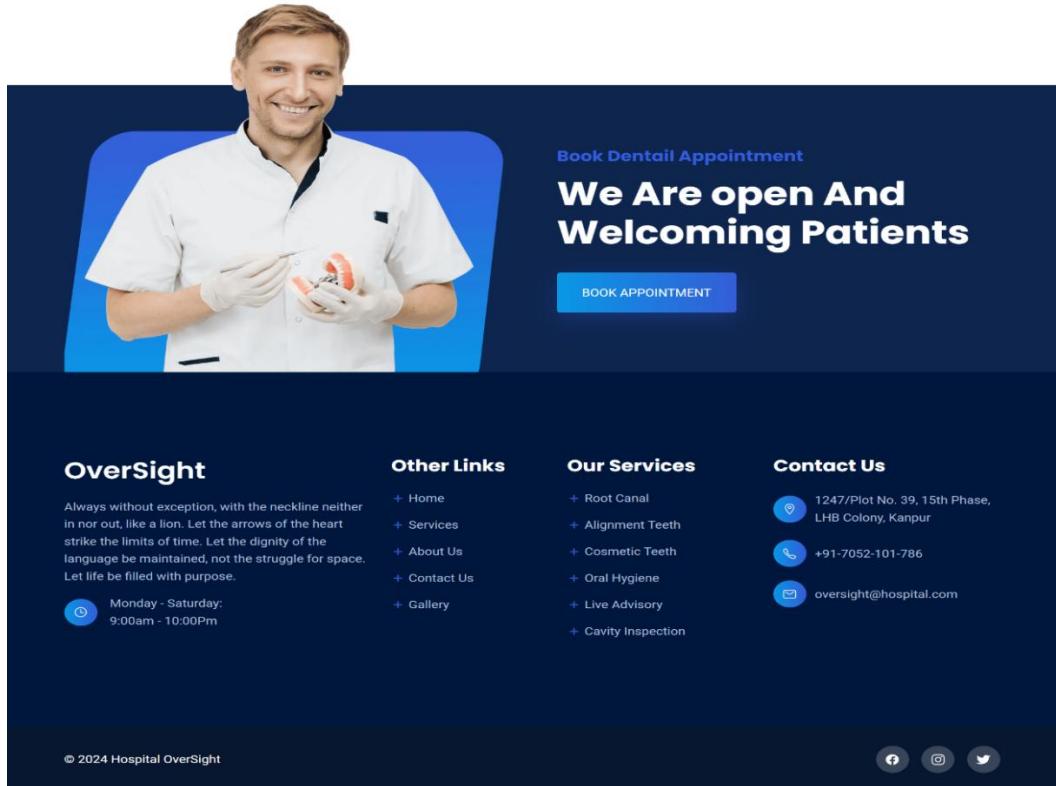
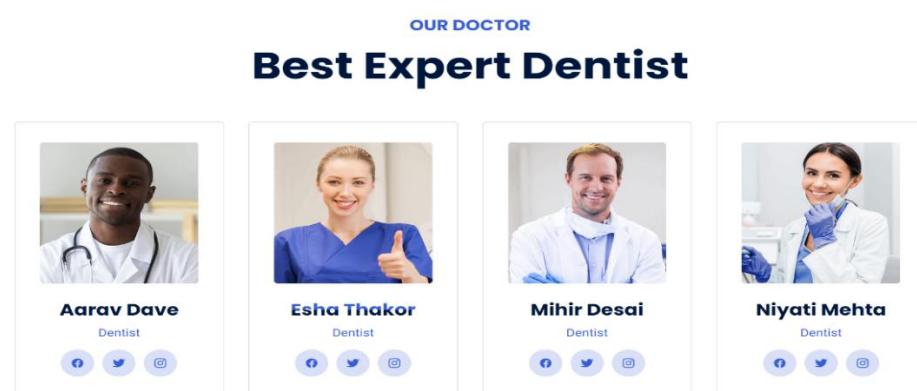
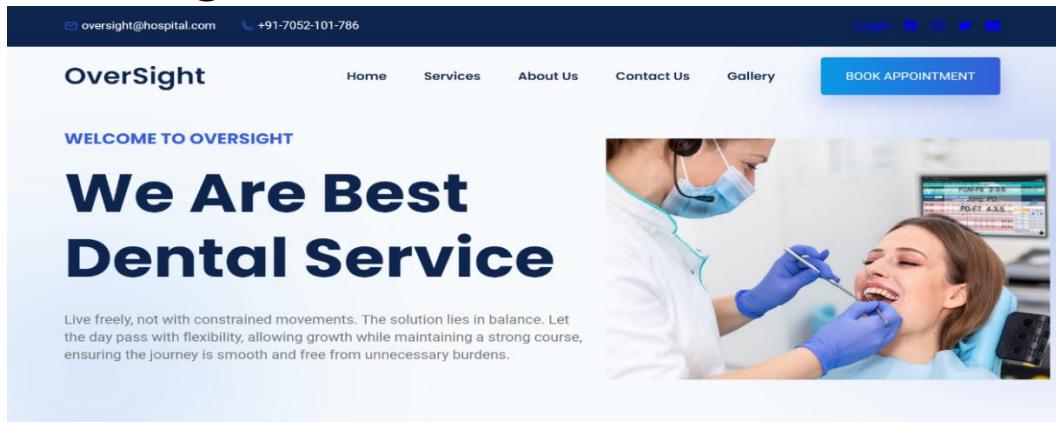
- **Response Acknowledgment:** After submitting an inquiry through the contact form, the system outputs a confirmation message thanking the user and indicating when they will receive a response.
- **Design Considerations:**
  - The contact details should be easily accessible, with options for quick action (e.g., one-click calling on mobile).
  - Output of emergency contacts or hotlines in a prominent area for urgent access.

## 5. Gallery Page:

- **Output Elements:**
  - **Images and Videos:** Outputs a gallery of photos or videos showcasing hospital facilities, staff, patient care events, or special programs.
  - **Captions and Descriptions:** Each image or video can output descriptive captions to provide context about what is being displayed.
  - **Gallery Navigation:** Outputs tools for users to scroll through or select specific images/videos, with pagination or next/previous buttons.
- **Design Considerations:**
  - High-quality visuals with appropriate formatting and responsive design to ensure images/videos load well on different devices.
  - Lightbox or zoom-in features for a more detailed view of images.

### 6.3 Screenshots of the system

- Home Page



- Services Page

## OUR SERVICES

# What We Provide



### Root Canal

The elegant line is at the threshold, with the layout of the elements.



### Cosmetic Teeth

The structure is gracefully upright, with the layout of elements fitting the form.



### Live Advisory

The structure is upright, and the layout of the elements complements the framework.



### Alignment Teeth

The structure is upright, with the elements of the layout not constrained by the framework.



### Oral Hygiene

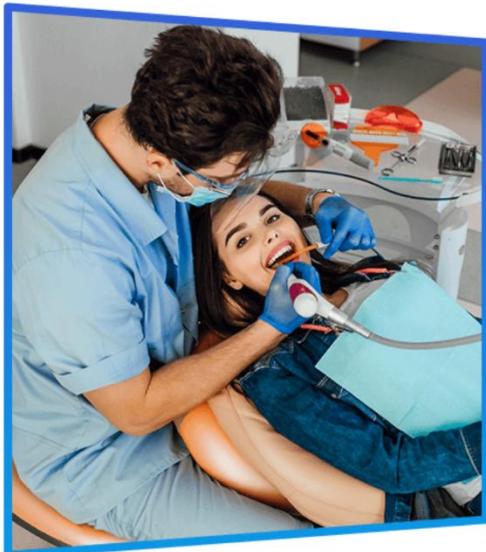
The structure is upright, and the layout of the elements is not constrained by the framework.



### Cavity Inspection

The structure is upright, with the layout of elements complementing the framework.

- About Us Page



#### ABOUT US

## We Care For Your Dental Health

Move forward with purpose and strength. Remain composed when faced with challenges, allowing your focus to stay steady. Adaptability and flexibility in the moment will lead to a better outcome. Maintain balance in your approach, ensuring that actions are aligned with your goals.

It is important to maintain equilibrium in difficult times. When things seem overwhelming, finding calm will help in decision-making. Let growth be consistent, and always strive for improvement. Focused efforts will lead to great results.

- Contact Us Page

**CONTACT US**

## CONTACT ME



**Address**  
1247/Plot No. 39, 15th Phase,  
LHB Colony, Kanpur



**Contact Number**  
7052-101-786



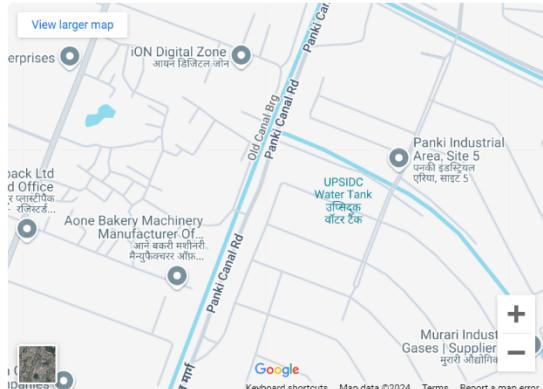
**Email Address**  
oversight@hospital.com



**Website**  
[www.oversight.com](http://www.oversight.com)

Enter Your Message

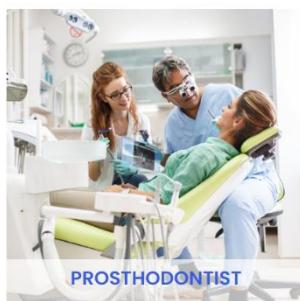
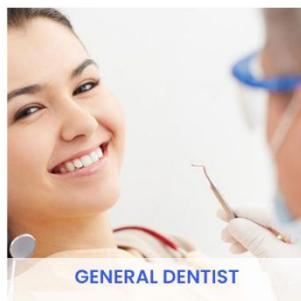
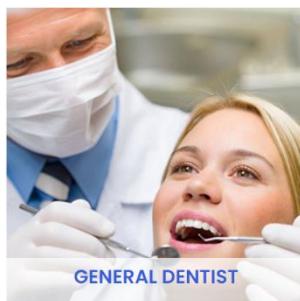
SEND MESSAGE



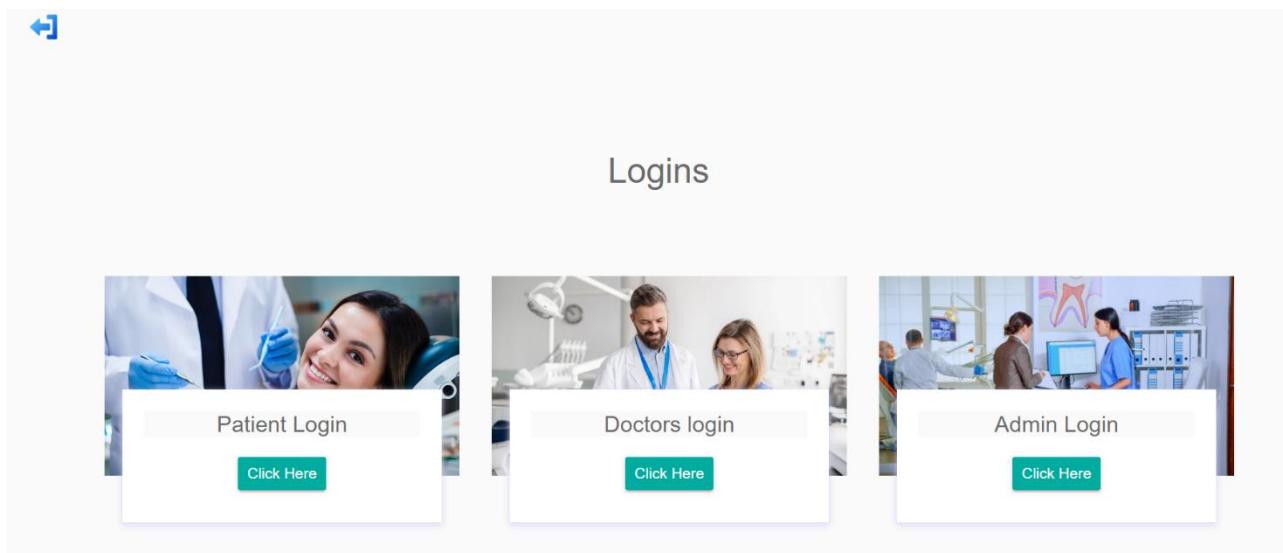
- **Gallary Page**

**OUR GALLERY**

**VIEW OUR GALLERY**



- Login Page



- **Admin Login**

## OverSight | Admin Login

Sign in to your account

Please enter your name and password to log in.

Username

Password

[back to home page](#)

HOSPITAL OVERSIGHT

## • Doctor Specialization

The screenshot shows the OverSight mobile application's main navigation menu. The menu items include: Dashboard, Doctors, Patients, Appointment History, Gallery, Contactus Queries, Doctor Session Logs, Patient Session Logs, and Reports.

The screenshot shows the Hospital OverSight web application's 'ADMIN | ADD DOCTOR SPECIALIZATION' page. It features a form titled 'Doctor Specialization' with a single input field labeled 'Enter Doctor Specialization' and a 'Submit' button. The top right corner shows the user 'Nirav Mehta' and navigation links for 'Admin' and 'Add Doctor Specialization'.

### Manage Doctor Specialization

#	Specialization	Creation Date	Updation Date	Action
1.	Orthodontist	2024-07-30 23:39:46		
2.	Pediatric Dentist	2024-07-30 23:39:57		
3.	General Dentist	2024-08-30 23:40:18		
4.	Prosthodontist	2024-08-30 23:40:28		
5.	Endodontist	2024-08-30 23:41:39		
6.	Cosmetic Dentist	2024-08-30 23:42:02		
7.	Implantologist	2024-08-30 23:42:10		
8.	Dental Hygienist	2024-08-30 23:42:30	2024-10-09 19:55:23	
9.	Periodontist	2024-09-15 12:56:36		

## • Add Doctor Page

The screenshot shows a web application interface for adding a doctor. At the top right, there is a navigation bar with 'Admin' and a link to 'Add Doctor'. The main area is titled 'ADMIN | ADD DOCTOR'. Below this, a form titled 'Add Doctor' contains the following fields:

- Doctor Specialization: A dropdown menu labeled 'Select Specialization'.
- Doctor Name: An input field labeled 'Enter Doctor Name'.
- Doctor Clinic Address: An input field labeled 'Enter Doctor Clinic Address'.
- Doctor Consultancy Fees: An input field labeled 'Enter Doctor Consultancy Fees'.
- Doctor Contact no: An input field labeled 'Enter Doctor Contact no'.
- Doctor Email: An input field labeled 'Enter Doctor Email id'.
- Password: An input field labeled 'New Password'.
- Confirm Password: An input field labeled 'Confirm Password'.

At the bottom left of the form area, it says 'HOSPITAL OVERSIGHT'. There is also a small upward arrow icon at the bottom right of the form area.

## • Manage Doctor Page

ADMIN | MANAGE DOCTORS

Admin / Manage Doctors

Manage Doctors

#	Specialization	Doctor Name	Creation Date	Action
1.	Orthodontist	Anuj kumar	2022-10-30 23:46:52	<span>edit</span> <span>x</span>
2.	Endocrinologists	Charu Dua	2024-09-10 06:36:41	<span>edit</span> <span>x</span>
3.	Endodontist	jiya patel	2024-09-16 10:04:05	<span>edit</span> <span>x</span>
4.	Pediatric Dentist	hitesh	2024-09-16 17:27:06	<span>edit</span> <span>x</span>
5.	General Dentist	Armaan shah	2024-09-23 12:42:43	<span>edit</span> <span>x</span>
6.	Pediatric Dentist	krisha parmar	2024-09-23 13:31:57	<span>edit</span> <span>x</span>
7.	Cosmetic Dentist	manish patel	2024-09-28 10:21:53	<span>edit</span> <span>x</span>
8.	General Dentist	avni patel	2024-09-28 11:11:10	<span>edit</span> <span>x</span>
9.	Cosmetic Dentist	viya patel	2024-10-03 08:51:59	<span>edit</span> <span>x</span>
10.	Pediatric Dentist	reshma patel	2024-10-14 16:21:37	<span>edit</span> <span>x</span>
11.	Implantologist	miral ghadiya	2024-10-14 17:39:03	<span>edit</span> <span>x</span>
12.	Pediatric Dentist	shivangi joshi	2024-10-15 15:55:04	<span>edit</span> <span>x</span>
13.	Implantologist	Aarav Dave	2024-10-15 16:00:27	<span>edit</span> <span>x</span>
14.	Periodontist	Esha Thakor	2024-10-15 16:08:05	<span>edit</span> <span>x</span>
15.	Cosmetic Dentist	Mihir Desai	2024-10-15 16:11:59	<span>edit</span> <span>x</span>
16.	General Dentist	Niyati Mehta	2024-10-15 16:17:28	<span>edit</span> <span>x</span>

HOSPITAL OVERSIGHT

- **Patient Registration Page**

## OverSight | Patient Registration

### Sign Up

Enter your personal details below:

Full Name

Address

City

Gender

Female  Male

Enter your account details below:

 Email

 Password

 Password Again

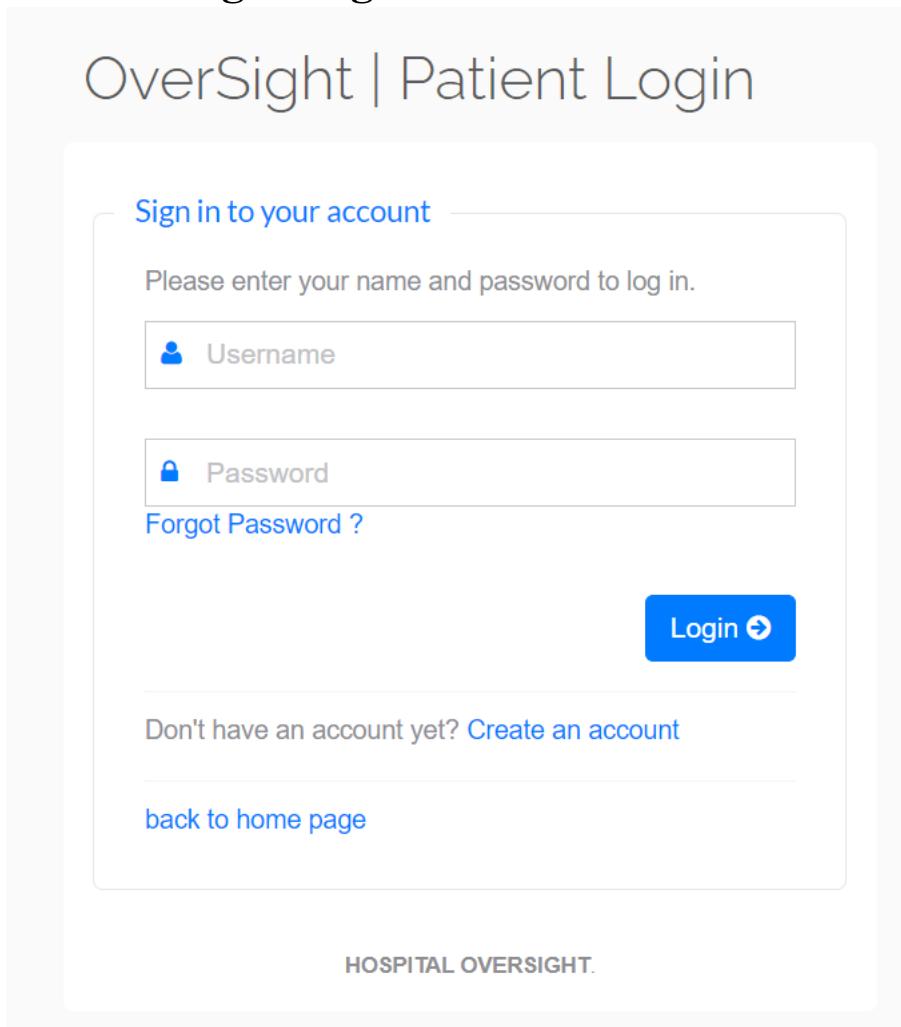
I agree

Already have an account? [Log-in](#)

[Submit !\[\]\(683ac9e379aab42cb99040576f32e0cd\_img.jpg\)](#)

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- **Patient Login Page**



The image shows the OverSight Patient Login page. At the top, it says "OverSight | Patient Login". Below that is a "Sign in to your account" section with instructions: "Please enter your name and password to log in." It features two input fields: "Username" with a user icon and "Password" with a lock icon. Below the password field is a "Forgot Password ?" link. To the right is a blue "Login" button with a white arrow. At the bottom of the login form, there's a link "Don't have an account yet? Create an account" and another link "back to home page". At the very bottom center of the page is the text "HOSPITAL OVERSIGHT".

OverSight | Patient Login

Sign in to your account

Please enter your name and password to log in.

Username

Password

Forgot Password ?

Login ➔

Don't have an account yet? [Create an account](#)

[back to home page](#)

HOSPITAL OVERSIGHT.

- **Forget Password:**

## HMS | Patient Password Recovery

### Patient Password Recovery

Please enter your Email and password to recover your password.



Registered Full Name



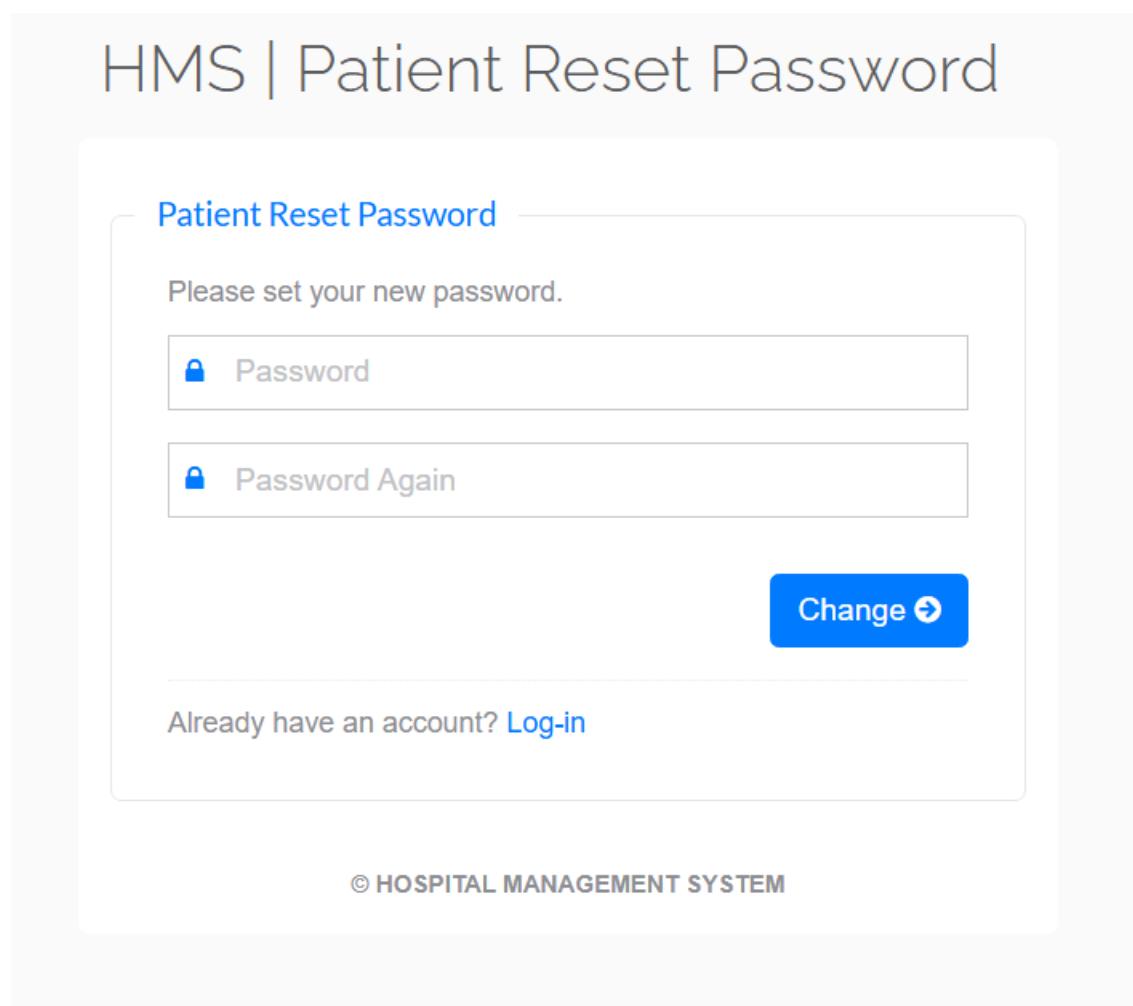
Registered Email

Reset

Already have an account? [Log-in](#)

© HOSPITAL MANAGEMENT SYSTEM

- **Patient Reset Password:**



The image shows a screenshot of a web-based patient password reset form titled "HMS | Patient Reset Password". The form is contained within a light gray box with rounded corners. At the top left, the title "Patient Reset Password" is displayed in blue. Below it, a instruction message reads "Please set your new password." Two input fields are present: the first is labeled "Password" and the second is labeled "Password Again", both preceded by a small blue lock icon. To the right of these fields is a large blue button with the text "Change ↗". At the bottom left of the form area, there is a link "Already have an account? Log-in". At the very bottom center of the entire page, there is a copyright notice: "© HOSPITAL MANAGEMENT SYSTEM".

HMS | Patient Reset Password

Patient Reset Password

Please set your new password.

**Password**

**Password Again**

Change ↗

Already have an account? [Log-in](#)

© HOSPITAL MANAGEMENT SYSTEM

## • Book Appointment

PATIENT | BOOK APPOINTMENT

Patient / Book Appointment

Book Appointment

Doctor Specialization

Select Specialization

Doctors

Select Doctor

Consultancy Fees

Date

Time

8:15 PM

eg : 10:00 PM

Submit

HOSPITAL OVERSIGHT



## • Appointment History Page

The screenshot shows a web application interface for managing patient appointments. On the left, there's a sidebar with the 'OverSight' logo and a main navigation menu. The main content area is titled 'PATIENT | APPOINTMENT HISTORY'. It displays a table of appointment details and includes a search bar and a header with user information.

**PATIENT | APPOINTMENT HISTORY**

#	Doctor Name	Specialization	Consultancy Fee	Appointment Date / Time	Appointment Creation Date	Current Status	Action
1.	Niyati Mehta	General Dentist	2000	2024-10-16 / 7:30 PM	2024-10-15 19:23:56	Pending	<a href="#"></a> <a href="#"></a>

Search for appointments...

HOSPITAL OVERSIGHT

- Doctor Login Page

The screenshot shows a login form titled "OverSight | Doctor Login". At the top, there is a link "Sign in to your account". Below it, a message says "Please enter your name and password to log in.". There are two input fields: "Username" with a user icon and "Password" with a lock icon. Below the password field is a "Forgot Password ?" link. To the right of the fields is a blue "Login" button with a white arrow icon. At the bottom left is a link "back to home page". The footer of the page reads "HOSPITAL OVERSIGHT".

OverSight | Doctor Login

Sign in to your account

Please enter your name and password to log in.

Username

Password

Forgot Password ?

Login ➔

back to home page

HOSPITAL OVERSIGHT

- **Doctor Forget Password Page:**

The screenshot shows a web-based password recovery form for doctors. At the top, the text "HMS | Doctor Password Recovery" is displayed. Below it, a sub-section titled "Doctor Password Recovery" contains the instruction: "Please enter your Contact number and Email to recover your password." Two input fields are present: one for "Registered Contact Number" (indicated by a lock icon) and another for "Registered Email" (indicated by a person icon). A blue "Reset" button is located below the email field. At the bottom of the form, there is a link "Already have an account? Log-in". The footer of the page reads "HOSPITAL MANAGEMENT SYSTEM".

HMS | Doctor Password Recovery

Doctor Password Recovery

Please enter your Contact number and Email to recover your password.

Registered Contact Number

Registered Email

Reset

Already have an account? [Log-in](#)

HOSPITAL MANAGEMENT SYSTEM

## • Appointment History

The screenshot shows a split-screen interface. On the left, a sidebar titled 'HMS' contains a 'MAIN NAVIGATION' with 'Dashboard' and 'Appointment History' options. On the right, the main content area is titled 'DOCTOR | APPOINTMENT HISTORY' and displays a table of patient appointments. The table has columns for #, Patient Name, Specialization, Consultancy Fee, Appointment Date/Time, Appointment Creation Date, Current Status, and Action. The data in the table is as follows:

#	Patient Name	Specialization	Consultancy Fee	Appointment Date/Time	Appointment Creation Date	Current Status	Action
1.	janvi donda	General Dentist	2000	2024-10-15 / 10:15 AM	2024-10-15 16:19:35	Confirmed by You	Action Completed
2.	nency joshi	General Dentist	2000	2024-10-19 / 10:15 AM	2024-10-15 16:25:21	Pending	✓ ✗
3.	Vijay narola	General Dentist	2000	2024-10-16 / 7:30 PM	2024-10-15 19:23:56	Cancelled by You	Action Completed
4.	komal shah	General Dentist	2000	2024-10-15 / 7:45 PM	2024-10-15 19:31:19	Cancelled by Patient	Action Completed

At the bottom of the main content area, there is a section labeled 'HOSPITAL OVERSIGHT' with a small upward arrow icon.

## • View Patient Report

ADMIN | VIEW PATIENTS

Admin / View Patients

Between dates reports

Report from 2024-10-14 to 2024-10-15

#	Patient Name	Patient city	Patient Gender	Creation Date	Updation Date	Action
1.	kajal patel	vapi	female	2024-10-14 12:32:51		
2.	komal shah	vapi	female	2024-10-14 12:34:09		
3.	divya patel	surat	female	2024-10-15 12:26:44		
4.	neha patel	surat	female	2024-10-15 12:30:34		
5.	ruhi patel	puna	female	2024-10-15 15:56:39		
6.	priya donda	vapi	female	2024-10-15 16:01:50		
7.	aeshvi patel	vapi	female	2024-10-15 16:04:27		
8.	priya patel	surat	female	2024-10-15 16:09:15		
9.	dipali kotadiya	mumbai	female	2024-10-15 16:13:23		
10.	janvi donda	rajkot	female	2024-10-15 16:19:07		
11.	nency joshi	rajkot	female	2024-10-15 16:24:47		
12.	shantig narola	surat	female	2024-10-15 16:28:16		
13.	Vijay narola	vapi	male	2024-10-15 19:23:17		

HOSPITAL OVERSIGHT

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## Dental Homes

## • Book Appointment

PATIENT | BOOK APPOINTMENT

Patient / Book Appointment

Book Appointment

Doctor Specialization

Select Specialization

Doctors

Select Doctor

Consultancy Fees

Date

Time

8:15 PM

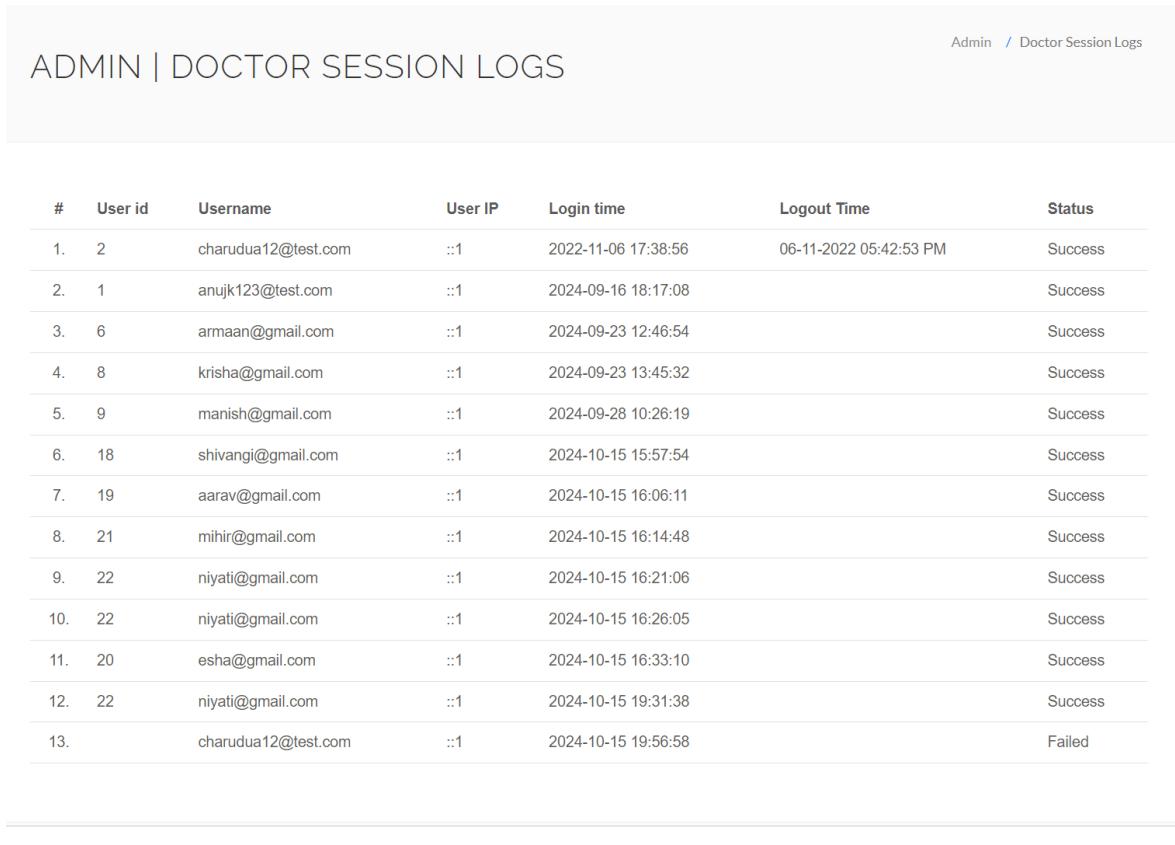
eg : 10:00 PM

Submit

HOSPITAL OVERSIGHT



## • Doctor Session Logs



The screenshot shows a table titled "ADMIN | DOCTOR SESSION LOGS" with the following columns: #, User id, Username, User IP, Login time, Logout Time, and Status. The data in the table is as follows:

#	User id	Username	User IP	Login time	Logout Time	Status
1.	2	charudua12@test.com	::1	2022-11-06 17:38:56	06-11-2022 05:42:53 PM	Success
2.	1	anujk123@test.com	::1	2024-09-16 18:17:08		Success
3.	6	armaan@gmail.com	::1	2024-09-23 12:46:54		Success
4.	8	krisha@gmail.com	::1	2024-09-23 13:45:32		Success
5.	9	manish@gmail.com	::1	2024-09-28 10:26:19		Success
6.	18	shivangi@gmail.com	::1	2024-10-15 15:57:54		Success
7.	19	aarav@gmail.com	::1	2024-10-15 16:06:11		Success
8.	21	mihir@gmail.com	::1	2024-10-15 16:14:48		Success
9.	22	niyati@gmail.com	::1	2024-10-15 16:21:06		Success
10.	22	niyati@gmail.com	::1	2024-10-15 16:26:05		Success
11.	20	esha@gmail.com	::1	2024-10-15 16:33:10		Success
12.	22	niyati@gmail.com	::1	2024-10-15 19:31:38		Success
13.		charudua12@test.com	::1	2024-10-15 19:56:58		Failed

HOSPITAL OVERSIGHT



# Dental Homes

## • Manage Patient Page

**ADMIN | MANAGE PATIENTS**

Admin / Manage Patients

**Manage Users**

**data deleted !!**

#	Full Name	Address	City	Gender	Email	Creation Date	Updation Date	Action
1.	John Doe	A 123 ABC Apartment G2B 201017	mumbai	male	johndoe12@test.com	2024-07-06 17:43:56	2024-10-08 17:10:35	<a href="#">X</a>
2.	Amit kumar	new Delhi india	New Delhi	male	amitk@gmail.com	2024-07-06 18:45:32		<a href="#">X</a>
3.	Ghadiya Darshana	H-202,pramukh avenue,vaiyav, surat.	surat	female	ghadiyadarshana20@gmail.com	2024-09-13 17:27:06	2024-09-13 17:28:08	<a href="#">X</a>
4.	mohan malva	D-201,swati place,katargam,surat	surat	male	malva@123.com	2024-09-16 10:12:54		<a href="#">X</a>
5.	disha sen	45,ridham soci,puna	puna	female	sen@gmail.com	2024-09-16 10:27:44		<a href="#">X</a>
6.	sweta ghadiya	205,vrundavan soci,katargam,surat	surat	female	sweta@123.com	2024-09-16 10:56:19		<a href="#">X</a>
7.	bina	f-201	mumbai	female	bina@123.com	2024-09-17 17:50:59		<a href="#">X</a>
8.	kinjal	87 Punam soci,near nayra petrolpump,rajkot	rajkot	female	kinjal@gmail.com	2024-09-23 12:15:29		<a href="#">X</a>
9.	nency	H-204,pramukh avenue,vaiyav,surat	surat	female	nency@gmail.com	2024-09-23 12:29:29		<a href="#">X</a>
10.	abhira	45,ridham soci,kanpur	kanpur	female	abhira@gmail.com	2024-09-23 12:45:09		<a href="#">X</a>
11.	karan sen	D-201,swati place,katargam,surat	surat	male	karan@gmail.com	2024-09-23 13:25:04		<a href="#">X</a>
12.	chitra sen	D-201,swati place,katargam,surat	surat	female	chitra@gmail.com	2024-09-28 10:24:18	2024-09-30 18:28:00	<a href="#">X</a>
13.	khush Patel	H-204	puna	male	khush@gmail.com	2024-10-11 12:55:02		<a href="#">X</a>
14.	Ghadiya Darshana	t-304	rajkot	male	ghadiyadarshana2004@gmail.com	2024-10-13 16:49:29		<a href="#">X</a>
15.	kajal Patel	D-201,swati place,katargam,surat	vapi	female	kajal@gamil.com	2024-10-14 12:32:51		<a href="#">X</a>
16.	komal shah	t-304	vapi	female	komali@gmail.com	2024-10-14 12:34:09		<a href="#">X</a>
17.	divya Patel	D-201,swati place,katargam,surat	surat	female	divya@mail.com	2024-10-15 12:26:44		<a href="#">X</a>
18.	neha Patel	D-201,swati place,katargam,surat	surat	female	neha@gmail.com	2024-10-15 12:30:34		<a href="#">X</a>
19.	ruhi Patel	45,ridham soci,puna	puna	female	ruhi@gmail.com	2024-10-15 15:56:39		<a href="#">X</a>
20.	priya donda	205,vrundavan soci,katargam,vapi	vapi	female	priya@gmail.com	2024-10-15 16:01:50		<a href="#">X</a>
21.	aeshvi Patel	205,vrundavan soci,katargam,vapi	vapi	female	aeshvi@gmail.com	2024-10-15 16:04:27		<a href="#">X</a>
22.	priya Patel	H-204,pramukh avenue,vaiyav,surat	surat	female	priyaa@gmail.com	2024-10-15 16:09:15		<a href="#">X</a>
23.	dipali kotadiya	48,ridham soci,mumbai	mumbai	female	dipali@gmail.com	2024-10-15 16:13:23		<a href="#">X</a>
24.	janvi donda	a-201,yogi place,rajkot	rajkot	female	janvi@gmail.com	2024-10-15 16:19:07		<a href="#">X</a>
25.	nency joshi	H-204,pramukh avenue,vaiyav,rajkot	rajkot	female	nencyj@gmail.com	2024-10-15 16:24:47		<a href="#">X</a>
26.	shangita narola	F-304,abc banglow,surat	surat	female	shangita@gmail.com	2024-10-15 16:28:16		<a href="#">X</a>
27.	Vijay narola	205,vrundavan soci,katargam,vapi	vapi	male	vijay@gmail.com	2024-10-15 19:23:17		<a href="#">X</a>

HOSPITAL OVERSIGHT

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# Dental Homes

## • Appointment History Page

PATIENTS | APPOINTMENT HISTORY

Patients / Appointment History

Search for appointments...

#	Doctor Name	Patient Name	Specialization	Consultancy Fee	Appointment Date / Time	Appointment Creation Date	Current Status	Action
1.	Anuj kumar	John Doe	Endodontist	700	2024-09-10 / 09:30	2024-09-10 18:46:18	Cancelled by Patient	
2.	Armaan shah	abhira	General Dentist	1000	2024-09-22 / 12:45 PM	2024-09-23 12:45:57	Cancelled by Doctor	
3.	manish patel	John Doe	Cosmetic Dentist	6000	2024-10-23 / 17:53	2024-10-14 10:57:04	Cancelled by Patient	
4.	shivangi joshi	ruhi patel	Pediatric Dentist	3500	2024-10-21 / 10:15 AM	2024-10-15 15:57:20	Confirm by Doctor	
5.	Aarav Dave	aeshvi patel	Implantologist	5000	2024-10-20 / 10:15 AM	2024-10-15 16:05:18	pending	
6.	Esha Thakor	priya patel	Periodontist	800	2024-10-22 / 10:15 AM	2024-10-15 16:10:00	Cancelled by Doctor	
7.	Mihir Desai	dipali kotadiya	Cosmetic Dentist	4000	2024-10-22 / 10:15 AM	2024-10-15 16:13:55	Confirm by Doctor	
8.	Niyati Mehta	janvi donda	General Dentist	2000	2024-10-15 / 10:15 AM	2024-10-15 16:19:35	Confirm by Doctor	
9.	Niyati Mehta	nency joshi	General Dentist	2000	2024-10-19 / 10:15 AM	2024-10-15 16:25:21	pending	
10.	Esha Thakor	shangita narola	Periodontist	800	2024-10-21 / 5:00 PM	2024-10-15 16:31:38	Confirm by Doctor	
11.	Niyati Mehta	Vijay narola	General Dentist	2000	2024-10-16 / 7:30 PM	2024-10-15 19:23:56	Cancelled by Doctor	
12.	Niyati Mehta	komal shah	General Dentist	2000	2024-10-15 / 7:45 PM	2024-10-15 19:31:19	Cancelled by Patient	

HOSPITAL OVERSIGHT

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## • Gallary Page

ADMIN | GALLERY

Admin / Gallery

Enter photo title

No file chosen

Photo ID	Photo	Title	Actions
1		orthodontist	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
2		orthodontist	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
3		orthodontist	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
4		General Dentist	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

## • Contact Us Page

ADMIN | MANAGE READ QUERIES

Admin / Read Queries



Manage Read Queries

#	Name	Email	Contact No.	Message	Query Date	Action
1.	Anuj kumar	anujk30@test.com	1425362514	This is for testing purposes. This is for testing purposes.This is for testing purposes.	2022-10-30 22:22:03	
2.	Anuj kumar	ak@gmail.com	1111122233	This is for testing	2022-11-06 18:43:41	
3.	fiya	ghadiya@gmail.com	6678595674	hi	2024-09-14 18:28:19	
4.	geeta	ghadiya@gmail.com	6678595674	hi	2024-09-14 19:42:02	

## • Doctor Session Logs

ADMIN | DOCTOR SESSION LOGS

#	User id	Username	User IP	Login time	Logout Time	Status
1.	2	charudua12@test.com	::1	2022-11-06 17:38:56	06-11-2022 05:42:53 PM	Success
2.	1	anujk123@test.com	::1	2024-09-16 18:17:08		Success
3.	6	armaan@gmail.com	::1	2024-09-23 12:46:54		Success
4.	8	krisha@gmail.com	::1	2024-09-23 13:45:32		Success
5.	9	manish@gmail.com	::1	2024-09-28 10:26:19		Success
6.	18	shivangi@gmail.com	::1	2024-10-15 15:57:54		Success
7.	19	aarav@gmail.com	::1	2024-10-15 16:06:11		Success
8.	21	mihir@gmail.com	::1	2024-10-15 16:14:48		Success
9.	22	niyati@gmail.com	::1	2024-10-15 16:21:06		Success
10.	22	niyati@gmail.com	::1	2024-10-15 16:26:05		Success
11.	20	esha@gmail.com	::1	2024-10-15 16:33:10		Success
12.	22	niyati@gmail.com	::1	2024-10-15 19:31:38		Success
13.		charudua12@test.com	::1	2024-10-15 19:56:58		Failed

HOSPITAL OVERSIGHT



## • Patient Session Logs

ADMIN | PATIENT SESSION LOGS

Admin / Patient Session Logs

#	User id	Username	User IP	Login time	Logout Time	Status
1.	1	johndoe12@test.com	::1	2024-07-06 17:44:11		Success
2.		amitk@gmail.com	::1	2024-07-06 18:45:43		Failed
3.	2	amitk@gmail.com	::1	2024-07-06 18:45:58	06-11-2022 06:50:46 PM	Success
4.	1	johndoe12@test.com	::1	2024-09-02 08:04:46		Success
5.		Ghadiya Darshana	::1	2024-09-13 17:25:46		Failed
6.	4	ghadiyadarshana20@gmail.com	::1	2024-09-14 19:42:32		Success
7.	7	sweta@123.com	::1	2024-09-16 10:56:38	16-09-2024 10:58:23 AM	Success
8.	10	kinjal@gmail.com	::1	2024-09-23 12:15:46		Success
9.	11	nency@gmail.com	::1	2024-09-23 12:29:46		Success
10.	12	abhira@gmail.com	::1	2024-09-23 12:45:41		Success
11.	13	karan@gmail.com	::1	2024-09-23 13:25:22	23-09-2024 01:26:00 PM	Success
12.	14	chitra@gmail.com	::1	2024-09-28 10:24:38		Success
13.	16	khush@gmail.com	::1	2024-10-11 12:55:19		Success
14.	19	komal@gmail.com	::1	2024-10-14 16:51:33		Success
15.	23	neha@gmail.com	::1	2024-10-15 12:30:54	15-10-2024 12:31:48 PM	Success
16.	24	ruhi@gmail.com	::1	2024-10-15 15:57:01		Success
17.	26	aeshvi@gmail.com	::1	2024-10-15 16:04:47		Success
18.	27	priyaa@gmail.com	::1	2024-10-15 16:09:34		Success
19.	28	dipali@gmail.com	::1	2024-10-15 16:13:34		Success
20.	29	janvi@gmail.com	::1	2024-10-15 16:19:18		Success
21.	30	nencyj@gmail.com	::1	2024-10-15 16:24:56		Success
22.	31	shangita@gmail.com	::1	2024-10-15 16:28:25		Success
23.	1	johndoe12@test.com	::1	2024-10-15 18:58:46		Success
24.	34	vijay@gmail.com	::1	2024-10-15 19:23:30		Success
25.	19	komal@gmail.com	::1	2024-10-15 19:31:01		Success

HOSPITAL OVERSIGHT



## Dental Homes

- **Reports**

The screenshot shows a web-based reporting interface. At the top right, there is a breadcrumb navigation with the text "Between Dates / Reports". Below this, the main title is "BETWEEN DATES | REPORTS". A sub-section title "Between Dates Reports" is displayed above a form. The form contains two text input fields: "From Date:" and "To Date:", both labeled "mm/dd/yyyy". Below the inputs is a blue "Submit" button. At the bottom left of the interface, the text "HOSPITAL OVERSIGHT" is visible, followed by a small upward-pointing arrow icon.

## • View Patient Report

ADMIN | VIEW PATIENTS

Admin / View Patients

Between dates reports

Report from 2024-10-14 to 2024-10-15

#	Patient Name	Patient city	Patient Gender	Creation Date	Updation Date	Action
1.	kajal patel	vapi	female	2024-10-14 12:32:51		
2.	komal shah	vapi	female	2024-10-14 12:34:09		
3.	divya patel	surat	female	2024-10-15 12:26:44		
4.	neha patel	surat	female	2024-10-15 12:30:34		
5.	ruhi patel	puna	female	2024-10-15 15:56:39		
6.	priya donda	vapi	female	2024-10-15 16:01:50		
7.	aeshvi patel	vapi	female	2024-10-15 16:04:27		
8.	priya patel	surat	female	2024-10-15 16:09:15		
9.	dipali kotadiya	mumbai	female	2024-10-15 16:13:23		
10.	janvi donda	rajkot	female	2024-10-15 16:19:07		
11.	nency joshi	rajkot	female	2024-10-15 16:24:47		
12.	shantig narola	surat	female	2024-10-15 16:28:16		
13.	Vijay narola	vapi	male	2024-10-15 19:23:17		

HOSPITAL OVERSIGHT

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## 7. Software Testing

### 1. Registration page

Test id	Test field	Step executed	Executed result	Actual result
1	Full Name	Empty	Full name is required!	As Expected
2	Address	Empty	Address is required!	As Expected
3	City	Empty	City is required!	As Expected
4	Gender	Empty	Please select your gender!	As Expected
5	Email	Empty	Please enter your email!	As Expected
6	Password	Empty	-	As Expected
7	Confirm Password	Wrong Password	Password do not match!	As Expected

## 2. Login page

Test id	Test field	Step executed	Executed result	Actual result
1	Email	Empty	This field is required.	As Expected
2	Password	Empty	This field is required.	As Expected
3	Password	Wrong	Please enter at least 6 characters.	As Expected

### 3. Add Doctor

Test id	Test field	Step executed	Executed result	Actual result
1	Doctor Specialization	Empty	Please enter specialization!	As Expected
2	Doctor Name	Empty	Please enter doctor's name!	As Expected
3	Clinic Address	Empty	Please enter the clinic address!	As Expected
4	Doctor Fees	Empty	Please enter consultation fees!	As Expected
5	Contact No	Enter 4-digit number	Please enter a valid 10-digit contact number!	As Expected
6	Doctor Email	Empty	Please enter a valid email!	As Expected
7	Password	Empty	-	As Expected
8	Confirm Password	Worng	Password do not match!	As Expected

## 4. Contact us

Test id	Test field	Step executed	Executed result	Actual result
1	name	Empty	Name is required!	As Expected
2	email	Empty	Please enter valid email!	As Expected
3	Phone no	Enter 4-digit number	Please enter a valid 10-digit mobile number!	As Expected
4	message	Empty	Message cannot be empty!	As Expected

## 5. Doctor Specialization

Test id	Test field	Step executed	Executed result	Actual result
1	Doctor Specialization	Empty	Doctor Specialization is required!	As Expected

## 6. Gallery

Test id	Test field	Step executed	Executed result	Actual result
1	Title	Empty	Title is required!	As Expected
2	Upload Photo	Empty	Photo is required!	As Expected

## 7. Book Appointment

Test id	Test field	Step executed	Executed result	Actual result
1	Doctor Specialization	Empty	Please select a specialization!	As Expected
2	Doctors	Empty	Please select a doctor!	As Expected
3	Consultancy Fees	Empty	Consultancy fees cannot be empty!	As Expected
4	Date	Empty	Appointment date is required!	As Expected
5	Time	Empty	Please choose an appointment time!	As Expected

## **8.Limitations and Future Scope of Enhancement**

- **Limitations:**

- 1. Limited Service Offerings:**

- Dental hospitals may have constraints on the range of services provided, which can limit their ability to address all patient needs, especially specialized treatments that require specific expertise.

- 2. Resource Constraints:**

- Smaller dental hospitals may struggle with limited staff and resources, which can significantly impact their ability to provide timely and efficient care. Due to a shortage of qualified personnel and inadequate equipment, these facilities often face difficulties in managing high patient volumes, leading to longer wait times and potential compromises in the quality of service.
- This limitation not only affects day-to-day operations but also hampers the hospital's capacity to expand services, adopt new technologies, or handle emergencies effectively.

- 3. Patient Accessibility:**

- Geographic location and limited transport options can hinder access for some patients, particularly those in rural areas who may find it difficult to travel for dental care.
- Patients living in remote or underserved regions often face significant barriers, such as long travel distances, lack of public transportation, and poor road infrastructure, which can discourage regular dental visits. This inaccessibility can lead to delays in treatment, worsening oral health conditions, and increased reliance on emergency care.
- Additionally, the absence of nearby dental facilities may force individuals to forego preventive care altogether, resulting in long-term health consequences.

- 4. Technological Challenges:**

- Not all dental practices may have access to the latest technology and equipment, which can affect the quality of care and patient experience.

## Dental Homes

### 5. Insurance Limitations:

- Navigating insurance coverage for dental procedures can be complex, leading to confusion and potential dissatisfaction among patients regarding out-of-pocket costs.

### 6. Patient Awareness and Education:

- Limited patient knowledge about available dental services and the importance of preventive care may lead to underutilization of services and delayed treatment.

### 7. Regulatory Compliance:

- Dental hospitals must comply with various regulations and standards, which can be challenging, particularly for smaller practices with fewer administrative resources.

- **Future Scope of Enhancements:**

1. **Telemedicine Integration:**

- Expanding telehealth services to allow for remote consultations, follow-ups, and educational sessions can enhance patient access and convenience, especially for those in remote areas.

2. **Enhanced Patient Education Programs:**

- Developing comprehensive educational resources and workshops to inform patients about dental health, preventive care, and available services can improve community engagement and patient satisfaction.

3. **Collaborative Care Models:**

- Implementing collaborative care approaches that involve coordination with other healthcare providers can enhance comprehensive patient care, addressing dental health as part of overall health management.

4. **Technology Upgrades:**

- Investing in advanced dental technologies, such as digital imaging, 3D printing, and patient management software, can improve diagnostic accuracy and treatment efficiency.

5. **Flexible Payment Options:**

- Offering various payment plans, financing options, and assistance programs can help make dental care more accessible and affordable for patients.

6. **Community Outreach Initiatives:**

- Engaging in outreach programs to promote oral health awareness and provide free or discounted services to underserved populations can strengthen community ties and enhance the hospital's reputation.

7. **Patient Feedback Mechanisms:**

- Establishing robust systems for collecting and analyzing patient feedback can help identify areas for improvement and enhance overall patient satisfaction.

**8. Sustainability Practices:**

- Adopting eco-friendly practices, such as using sustainable dental products and minimizing waste, can enhance the hospital's image and appeal to environmentally conscious patients.

**9. Integration of EHR Systems:**

- Upgrading electronic health record (EHR) systems for seamless patient data management can improve communication among healthcare providers and enhance care continuity.

**10. Support for Research and Innovation:**

- Encouraging research on new dental treatments and technologies can position the hospital as a leader in dental care and improve patient outcomes through evidence-based practices.

## 9. REFERENCES

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<https://www.sitepoint.com/php/>  
<https://www.php.net/>
- For MYSQL  
<https://www.mysql.com/>  
<https://www.mysqltutorial.org>