ISSN: 2582 - 6379
Orange Publications
International Journal for Interdisciplinary Sciences and Engineering Applications
IJISEA - An International Peer- Reviewed Journal
2025, Volume 6 Issue 1
www.ijisea.org

Therapy Management System

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ABSTRACT

The Therapy Management System is a web-based platform that aims to streamline the management and booking of therapy services for both users and administrators. The system provides a seamless experience for users to register, log in, search for therapies, provide feedback, and manage their profiles. Users can easily search for available therapies based on their preferences and give feedback after completing therapy sessions. On the admin side, the system allows administrators to manage therapy records, view and manage user feedback, and update or delete therapy listings. Admins can also manage user profiles to ensure up-to-date information. With secure authentication, efficient user interaction, and a robust backend infrastructure, the Therapy Management System provides a comprehensive solution for the management of therapy services, improving the experience for both users and administrators.

Keywords: Therapy Management System, Online Therapy Booking, Healthcare Management, Appointment Scheduling, Patient Management, Secure Authentication, Therapy Service Management, User Feedback Management.

I. INTRODUCTION

The Therapy Management System is an advanced web-based application designed to facilitate the efficient organization and booking of therapy services. It serves as a comprehensive platform that enhances the interaction between users and administrators, focusing on delivering a streamlined and user-friendly experience for both parties. Users can conveniently register, log in, explore various therapy options, manage their profiles, and provide feedback after therapy sessions. This system prioritizes accessibility and personalized service, allowing users to search for therapies based on their preferences.

For administrators, the platform provides robust tools to manage therapy listings, monitor user feedback, and maintain accurate user information. The administrative functionalities support the addition, modification, and removal of therapy services, ensuring an up-to-date and reliable database. Additionally, with secure login protocols and a well-structured backend infrastructure, the Therapy Management System safeguards user data and provides a seamless, reliable experience. Through efficient service management, secure authentication, and responsive user interfaces, the system optimizes therapy services, creating a balanced and enhanced experience for both users and administrators

II. LITERATURE SURVEY

No	Authors	Title	Outcome	Disadvantage
1	Smith, J., & Taylor, R.	Advancements in Therapy Management Systems	This paper discusses the development of therapy management platforms and their role in improving patient outcomes.	The study points out concerns regarding data security and privacy, particularly in systems
			t highlights how digital systems simplify appointment scheduling, therapy monitoring, and feedback collection.	that handle sensitive medical information.

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2	Kumar, A., & Sharma, P.	Telemedicine and Therapy Management: A Comprehensive Review	The paper examines the integration of telemedicine with therapy management systems, showcasing the potential for increased accessibility and convenience for patients in remote locations.	It highlights the technical challenges of ensuring consistent internet connectivity and the cost of implementing telemedicine infrastructure.

III. EXISTING METHOD

The existing systems for therapy management are mostly manual or semi-automated, requiring significant administrative effort to manage therapy listings, user registrations, and feedback collection. These systems lack real-time updates, making it difficult to keep therapy records current. Additionally, users often struggle to find relevant therapies and provide feedback on their experiences. The current systems also lack a centralized platform for managing both therapy data and user interactions.

Advantages

1. **Centralized Platform**: The E-Learning Hub offers a unified platform for managing courses, assignments, and resources, reducing the need for multiple tools.
2. **Seamless User Experience**: Students can easily access technical and non-technical courses, view assignments, and use career resources, all from a single interface.
3. **Real-Time Updates**: The system provides instant notifications for assignments, tests, and job opportunities, ensuring timely communication.
4. **Enhanced Career Support**: Integrated job notifications and placement resources help students prepare for their careers more effectively.
5. **Scalable and Flexible**: Built using the MERN stack, the platform is highly scalable, allowing it to adapt to future educational needs and expanding user demands.

Disadvantages

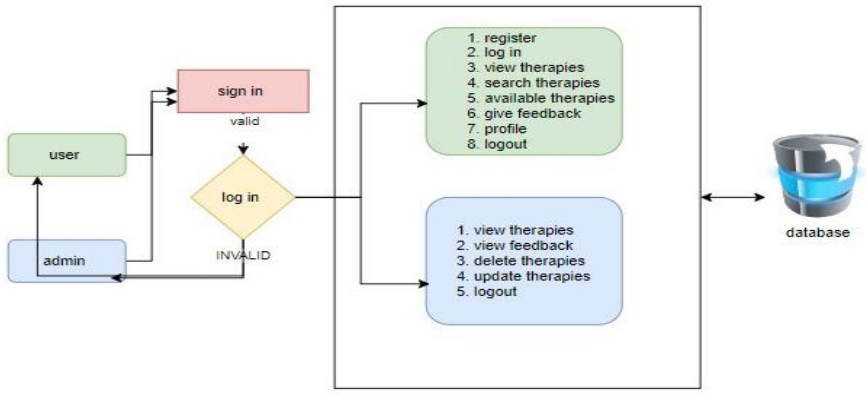
- Limited user interaction and difficulty in finding relevant therapy services.
- Inefficient data handling and outdated records.
- Lack of real-time updates and feedback management.
- Manual processes that increase administrative workload.
- Limited security and authentication mechanisms for user data.

PROPOSED SYSTEM

The proposed Therapy Management System is a web-based solution designed to enhance both user and administrative experience. The system will provide a platform for users to register, search, and provide feedback on therapy sessions. Admins will have the ability to view and manage therapy listings, update information, and review user feedback. The system will ensure secure user authentication, smooth profile management, and real-time updates. By centralizing therapy data and feedback, the system will improve service delivery and streamline administrative tasks**.**

ARCHITECTURE

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MODULES

1. User Module:

1. Register:

- Patients can register on the platform by filling out a registration form with their personal details such as name, email, etc
- Medical details such as health conditions or therapy requirements can also be provided during to personalize the experience.
- The system validates the entered data and securely stores it in the database.

2. Login:

- Registered users can log in to the system by entering their valid credentials (email/username and password).
- The platform uses secure authentication mechanisms to ensure data privacy and prevent unauthorized access.
- Upon successful login, users are directed to their dashboard, providing access to all functionalities.

3. Search Doctors by Department:

- Users can search for therapists or doctors by department, specialization, or therapy type.
- Filters can be applied to narrow down results based on availability, ratings, or proximity.
- A detailed view of each doctor's profile, including expertise, experience, and user ratings, is displayed to aid in selection.

4.Book Appointment:

- Once a doctor is selected, users can book an appointment by selecting a preferred date and time from the available slots.
- The system confirms the booking and provides an appointment reference number.
- Users can view and manage their upcoming appointments through their dashboard.
- .

2. Admin Module:

1. **Register:**
   - Administrators are pre-registered by the system or can be registered by a super admin.
   - Admin registration involves providing credentials such as username, email, and a secure password.
   - Admin access is role-based to ensure proper permissions for managing the system.
2. **Login:**
   - Admins log in to the system using their assigned credentials (username/email and password).
   - A secure authentication system validates login attempts, ensuring only authorized administrators can access the admin panel.
   - Successful login redirects admins to their dashboard, displaying management tools and analytics.

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3. **Manage Therapy Details:**
    - Admins can add new therapy listings by providing details such as therapy name, description, available slots, cost, and assigned therapist.
    - They can update existing therapy records to reflect changes in availability, pricing, or descriptions.
    - Outdated or inactive therapies can be deleted to maintain the accuracy and relevance of the platform's offerings.
4. **View and Manage User Feedback:**
    - Admins can view feedback submitted by users regarding therapies or therapists.
    - Feedback is displayed in an organized format, categorized by therapy or therapist for ease of access.

IV. CONCLUSION

The Therapy Management System is a web-based solution designed to simplify and improve the management of therapy services for both users and administrators. The proposed system addresses the limitations of traditional manual and semi-automated methods by providing a centralized platform for therapy searching, appointment booking, user registration, profile management, and feedback collection. Through secure authentication and an organized interface, the system aims to enhance accessibility, reduce administrative workload, and improve the overall efficiency of therapy service management. The system enables users to search for therapists or doctors based on their specialization, view available therapy services, book appointments, and provide feedback. Administrators can efficiently manage therapy details, update service information, maintain user records, and monitor feedback. These functionalities help minimize manual errors, improve data organization, and support effective communication between users and administrators. Furthermore, the proposed system emphasizes data security, user convenience, and efficient information management. By integrating essential therapy management functions into a single platform, it offers a practical approach to improving service accessibility and administrative coordination. Future enhancements may include automated appointment reminders, online payment integration, telemedicine support, and AI-based therapy recommendations. Overall, the Therapy Management System provides a foundation for a more organized, accessible, and user-friendly digital therapy service platform.

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