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Rehabilitation Management System

Prepared By : Cloudswired Technologies

Project Brief

We propose to develop a comprehensive Rehabilitation Management System tailored for an institution specializing in therapy for children with Autism. This system is designed to streamline operations, enhance communication among all stakeholders, and ensure an efficient management process. It will feature distinct access roles for administrators, therapists, parents, and customer service representatives, each with specific functionalities to cater to their unique requirements.

Key Features

- **Unified Dashboard:** A single point of control for overseeing all aspects of the school's operations, from student enrollment and program management to billing and communications.
- **Automated Scheduling and Booking:** Streamline the process of scheduling therapy sessions, reducing administrative workload and minimizing scheduling conflicts.
- **Automated Billing and Invoicing System:** Simplify financial transactions with automated invoicing, payment tracking, and reminders, enhancing financial efficiency.
- **Integrated Communication Tools:** Facilitate seamless communication among administrators, therapists, parents, and customer service through announcements.
- **Comprehensive Analytics and Reporting:** Access to real-time data and analytics to make informed decisions based on enrollment trends, financial health, program effectiveness, and user engagement.
- **Customizable Program Management:** The ability to tailor therapy programs, sessions, and schedules to meet the evolving needs of the students and therapists, ensuring the system adapts to the school's operational model.

Implementation Strategy

This section outlines a concise strategy for developing and deploying a management system tailored for an Autism Therapist School, focusing on meeting the unique needs of administrators, therapists, parents, and customer service staff.

Key Phase

- 1. Requirements Analysis :** Engage with stakeholders to gather and document precise system requirements, ensuring a user-centric design approach.
- 2. System Design :** Develop a scalable system architecture and intuitive user interface, focusing on security, usability, and accessibility.
- 3. Agile Development :** Utilize an Agile methodology to facilitate iterative development, allowing for flexibility and continuous stakeholder feedback.
- 4. Quality Assurance :** Implement comprehensive testing (unit, integration, UAT) to ensure reliability, performance, and user satisfaction.
- 5. Training and Documentation :** Provide detailed user guides and conduct training sessions to ensure a smooth transition and effective system utilization.
- 6. Deployment :** Carefully plan and execute the system rollout, minimizing disruption and ensuring all users are ready for the transition.
- 7. Ongoing Support :** Establish a support framework for post-deployment assistance and create a feedback loop for continuous improvement.

This strategy emphasizes a collaborative, flexible, and user-focused approach to system development and deployment, ensuring the Autism Therapist School Management System meets the needs of all stakeholders and enhances operational efficiency.



User Flow

1. Initial Consultation and Program Recommendation

- **Consultation with Customer Support:** Before registration, the parent engages in a discussion with customer support to explore suitable therapy programs for their child based on specific needs and preferences.
- **Program Recommendation:** Customer support provides a recommendation for the most suitable program(s) for the child, explaining the objectives, structure, and expected outcomes.

2. Account Registration

- **Registration Link:** Following the consultation, the parent is provided with a link to register for an account on the therapy school's management system.
- **Account Creation:** The parent fills out the registration form with necessary details, including contact information, and sets up a password.
- **Account Activation:** The parent receives an email to verify their account, which includes a link to confirm the registration.

3. Program Enrollment

- **Login and Program Selection:** Once the account is active, the parent logs in and is directed to a page where they can select the previously discussed program, choosing the preferred time and date based on available slots.
- **Payment Completion:** To finalize the enrollment, the parent proceeds to the payment section to pay for the selected program, securing their child's place.
- **Enrollment Confirmation:** After successful payment, the parent receives confirmation of enrollment, along with detailed information about the program schedule, therapist assignment, and any preparatory steps required.



User Flow

4. Recurring Billing and Payments

- **Monthly Invoices:** The system generates monthly invoices for the ongoing therapy program, which are accessible in the parent's billing dashboard.
- **Payment Notifications:** Automated reminders are sent to notify parents of upcoming payments to ensure continuity in the child's therapy sessions.
- **Secure Transactions:** Payments are made through a secure gateway within the system, emphasizing convenience and safety.

5. Communication

- **Announcements:** The system also provides a platform for parents to receive important announcements and updates from the school administration.

6. Ongoing Session Management

- **Schedule Adjustments:** The system offers flexibility for parents to reschedule sessions within the guidelines provided by the school, accommodating changes as needed.

Conclusion

This user flow emphasizes a structured and supportive process, beginning with a personalized consultation to recommend suitable therapy programs, followed by streamlined account registration, program enrollment, and ongoing management, ensuring a focused and engaging experience for parents and their children.



Timeline

Task	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
UI/UX Design & Flow - Initial Start												
User Story & Requirement												
Sign - Off												
Setup Server & Database												
Front End Development												
Backend Function Setup - Milestone												
Admin Dashboard												
Testing & UAT												
Correction & Improvement												
Final Testing												
Published to public - Completion												

The overall development will take 3 months to complete. This timeline is subject to any issues raised by either party.



Overall Cost

Development of Rehabilitation Management System. The breakdown of the features is as follows ;

Administrator Portal	PER UNIT	TOTAL
Program Management: Development of a dynamic program management interface for adding, removing, and modifying therapy slots.	RM5,000	RM19,000
Analytics Dashboard: Creation of an analytics dashboard to provide insights into user activities, program enrollments, and financial metrics.	RM4,000	
Billing and Invoicing: Integration of a billing system for invoice management, payment processing, and financial record-keeping.	RM3,500	
Student and Parent Management: Implementation of tools for maintaining parent and student information such as managing student enrollments and user data.	RM2,000	
Announcement System: Setup of a system-wide announcement platform to enhance communication with parents.	RM2,500	
Downloadable Reports: Ability for admin to download data generated from the system in csv format.	RM2,000	



Overall Cost

Development of Rehabilitation Management System. The breakdown of the features is as follows ;

Therapist Portal	PER UNIT	TOTAL
Session Management: Development of a therapist dashboard for managing assigned programs, session times, and date.	RM3,500	RM9,000
Monthly Skills Update: System for compiling and sending personalized updates to parents regarding their child's achievements.	RM2,500	
Student Lists and Profiles: Implementation of a feature to access detailed student profiles.	RM3,000	
Parent Portal	PER UNIT	TOTAL
Account and Billing Information: Secure portal for parents to access and manage billing information and make online payments.	RM3,500	RM7,500
Program and Session Information: Access to comprehensive details about the child's therapy program and session schedules. Parent also can reschedule the session date and time.	RM2,000	
Announcements and Updates: System for parents to receive important school announcements and monthly skills updates.	RM2,000	



Overall Cost

Development of Rehabilitation Management System. The breakdown of the features is as follows ;

Customer Service Portal	PER UNIT	TOTAL
Therapy Slot Management: Tools for managing and adjusting therapy session slots to accommodate parent preferences and therapist availability.	RM2,500	RM5,000

Additional System Cost	PER UNIT	TOTAL
Web Optimization: Ensuring the platform is accessible across various screen size for enhanced usability.	RM2,000	RM11,000
Data Security and Privacy: Implementing robust data protection measures to safeguard sensitive information.	RM2,000	
12 Month Maintenance and Support: Including system updates, bug fixes, and customer support. (RM500/Month)	RM6,000	
Server and Infrastructure Integration: Costs associated with integration of hosting, database management, and security to the system.	RM1,000	



Overall Cost

Development of Rehabilitation Management System. The breakdown of the features is as follows ;

KEY FEATURES	PER UNIT
Administrator Portal	RM19,000
Therapist Portal	RM9,000
Parent Portal	RM7,500
Customer Service Portal	RM2,500
Other Cost Involve	RM11,000
TOTAL PROJECT COST	RM 49,000

Payment Terms

Initial Payment (Upon Project Start): 40% of the total project cost. TOTAL = RM 19,600

Second Payment (Upon Achieved Milestone) : 30% the total project cost. TOTAL = RM 14,700

Final Payment (Upon Project Completion): 30% the total project cost. TOTAL = RM 14,700



Autism Therapist School Management System

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Thank You