Project Status Report II

Date of Report Issue/Prepared: March 10, 2024

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Employer/Organization: MyDent Dental

Project Name:	MyDent Dental Website Enhancement	
Project Team:	T25	
Period Reporting:	Start Date: **Feb 03, 2024**	End Date: **Mar 08, 2024**
Overall Project Health	Green (Good) - Yellow (Warning) - Red (Bad)	

Summary

Project Status Summary

We are pleased to provide the latest update on the "MyDent Dental Website Enhancement" project. We've recently achieved a significant milestone as the frontend coding has been successfully completed. This includes all pages and screens designed to offer an optimal user experience. Our team has diligently worked to ensure a seamless and visually appealing frontend interface for our users.

On the backend side, substantial progress has also been made. We've finalized the backend code for essential functionalities such as inventory management, staff data handling, and user authentication. Notably, we've implemented JWT authentication, which allows for secure access to the system with customized user permissions. This ensures that each user has access to specific features based on their role within the system. Our current focus is on refining the staff scheduling and appointment booking modules, crucial for the website's operational success. Despite encountering challenges, we're making commendable progress in this area, and our dedicated team is committed to resolving any outstanding issues.

Testing remains a top priority for us. We're utilizing Postman to rigorously evaluate the functionality of our backend operations. These tests have consistently been successful, providing us with confidence in the reliability and robustness of our backend infrastructure. In terms of integration, we're in the process of connecting the frontend with the backend. We've made significant strides in this regard, with most connections established seamlessly. However, some fine-tuning is required to ensure a completely cohesive user experience.

In conclusion, we want to express our unwavering optimism regarding the timely and successful completion of the project. Our team is fully committed to maintaining our current pace and ensuring open communication channels to address any emerging challenges promptly. We're dedicated to delivering a

website that aligns with MyDent Dental's vision of enhanced patient interaction and service excellence.

Accomplishments As Planned	Planned but not Accomplished
CRUD Operations for Inventory, Staff, and Patients: - Developed the backend framework to add, view, update, and delete information for inventory, staff, and patient modules. - Successfully validated these operations with thorough testing, ensuring data integrity and system reliability.	**Frontend and Backend Integration:** - Prepared the infrastructure for linking frontend and backend. Some screens are completely connected with the backend, however, there are still some screens that are not connected
Frontend Design: - Created a cohesive and modern design aesthetic across all web pages, reflective of the dental clinic's brand and user experience goals. - Optimized layout and navigation elements to ensure a user-friendly interface across various devices and screen sizes. - Coding each screen has now been completed, some minor adjustments need to be made to make it more visually appealing.	**Scheduling Functionality:** - Outlined the requirements and initiated the development for the staff scheduling system and the patient scheduling aspect. - Designed the user interface for the scheduling system, with the backend logic starting to be developed. Code still needs to be finalized and integrated to the frontend.
Staff Role-Specific Access: - Defined the access levels required for different staff roles, and successfully tested each functionality ensuring restriction based on user roles. - Implemented protective routes. These routes check the authentication status of the user before allowing access to the route's components	
Login System Backend: - Implemented protective routes. These routes check the authentication status of the user before allowing access to the route's components - Successfully tested each component within postman and other JWT technologies	

Upcoming Objectives for **Mar 09, 2024 to Mar 29, 2024**

Planned Activities/Tasks for Next Period			
Activity/Task	Assigned To <name/s>	Duration <days>	Date
Finalize Admin and Staff Module Interface: Ensure that the admin and staff module interface is fully functional and adheres to the design specifications. This may include final adjustments to the user interface components.	Paul England Pelenio, Oguzhan Burhan	8 – 10 Days	Mar 9, 2024 - Mar 19 2024
Backend-Frontend Integration Testing for Admin Interface: Conduct integration tests between the backend and frontend to ensure that data flows seamlessly between the two.	Erdal Ozkaya, Abbas Said, Raul England Pelenio	10 – 15 Days	Mar 9, 2024 - Mar 25, 2024
Scheduling implementation: Create the backend logic for the scheduling system and displaying it appropriately to the staff.	Ruslan Makhanov, Abbas Said, Raul England Pelenio, Oguzhan Burhan	10 - 13 Days	Mar 9, 2024 - Mar 22, 2024

Milestones for Next Period		
Milestone (Objective)	Assigned To	Delivery Date
Staff and Patient Scheduling	Ruslan Makhanov	March 22, 2024
User Testing and Feedback Incorporation completion	Abbas Said, Erdal Ozkaya, Raul England Pelenio	March 27, 2024
Present Website to Stakeholders	Ruslan Makhanov, Abbas Said, Erdal Ozkaya, Raul England Pelenio, Oguzhan Burhan	March 29, 2024

Managing Issues and Risk

Issues/Problems	Resolution Strategy	Due Date
Delayed Integration of Frontend and Backend	Allocate dedicated sessions for frontend and backend teams to work jointly on integration. Increase communication to troubleshoot issues in real-time and adjust the project timeline if necessary.	Mar 25, 2024
Incomplete Scheduling Aspect	Allocate additional resources and manpower to expedite the development of the scheduling module. Prioritize tasks related to scheduling to ensure timely completion	Mar 22, 2024
The code structure should align with the rest of the project.	Well communication and code review with the whole team. This way the team is able to make the code more readable and accessible to everyone.	Mar 20, 2024

Upcoming Risks	Risk Ranking (Hi, Med, Low)	Risk Impact (Hi, Med, Low)	Mitigation Strategy
Insufficient Testing Leading to Bugs in Production	Med	Hi	Develop a robust testing plan that includes unit, integration. Engage with end-users early for beta testing and feedback.

Staff Turnover Impacting Project Continuity	Low	Hi	Cross-train team members to reduce dependency on single individuals. Create comprehensive documentation to facilitate knowledge transfer.
Overlooking Accessibility Standards	Low	Hi	Adhere to web accessibility guidelines. Include accessibility checks as part of the regular testing process.
Data Migration Issues	Med	Hi	Plan for comprehensive data migration testing. Develop a rollback plan in case the migration doesn't go as planned.
Security Vulnerabilities	Hi	Hi	Implement security best practices such as encryption, input validation, and access controls to safeguard sensitive data
Stakeholder Expectation Misalignment	Med	Med	Conduct regular stakeholder meetings and status updates to ensure alignment on project objectives, priorities, and timelines. Establish clear communication channels for stakeholders to provide feedback and raise concerns throughout the project lifecycle.

NOTE: Attach additional sheets if insufficient space available

Submission Guidelines:

Please submit as "W24_T<team number>_ProjectReport2".
For e.g., W24_T45_ProjectReport2

This is a group submission i.e. one per group.

Due Dates:

Sunday, Mar 10, 2024 (11:59 p.m.)