

Dental clinic Website

"Your Smile Clinic Management System"

Abstract

The "**Your Smile Clinic Management System**" is a user-friendly web application created to make managing dental clinics easier and more efficient. With this platform, administrators can handle appointments, messages, gallery updates, and services, all in one place. Meanwhile, patients can conveniently book appointments and communicate with the clinic online.

The system focuses on providing a smooth and enjoyable experience through a responsive design, a secure login and signup process, and interactive features like a real-time gallery and messaging tool. Built using PHP, MySQL, HTML, CSS, and JavaScript, this project highlights how technology can simplify healthcare management and improve access for patients, ensuring they get the information they need without any hassle.

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Introduction

“**Your Smile**” is a web-based clinic management system developed to modernize and optimize the workflow of a dental clinic. The main goal of this project is to facilitate and automate certain tasks, like appointment scheduling, gallery management, service updates, and patient communications, in such a way that it enhances the efficiency of the entire operation of the clinic.

This project features two main roles:

1. **Administrators:**

- Manage appointments, services, messages, and gallery images.
- Oversee user management and system functionalities.

2. **Patients:**

- Book appointments.
- Send messages to the clinic.
- View their appointment history and clinic gallery.

It also ensures the integrity and security of data with a robust login system and database design. The project has been implemented using the combination of front-end technologies like HTML, CSS, and JavaScript and backend technologies like PHP and MySQL. The project offers not only functional features but also a very user-friendly and responsive interface to improve accessibility.

Project Requirements

Functional Requirements

1. Admin Features:

- Manage appointments (approve, reject, or delete with reasons for rejection).
- Upload and delete images in the gallery.
- Manage services offered by the clinic.
- View and respond to messages sent by patients.
- Handle user accounts, including viewing and managing patient details.

2. Patient Features:

- Register and log in to access personalized features.
- Book appointments by selecting a service, date, and time.
- Send messages to the clinic through the contact form.
- View the clinic's gallery and explore services.
- Review their appointment history and provide feedback.

Non-Functional Requirements

1. Security:

- Secure login and registration system.
- Prevent unauthorized access to admin features.

2. Usability:

- Simple and user-friendly.
- Responsive design.

3. Performance:

- Fast loading times for all pages.

Database Requirements

- A relational database to store users, appointments, services, messages, gallery images, and feedback.
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Tools Used in the Project

1. Programming Languages

- PHP , HTML ,CSS & JavaScript

2. Database

- MySQL

3. Development Tools

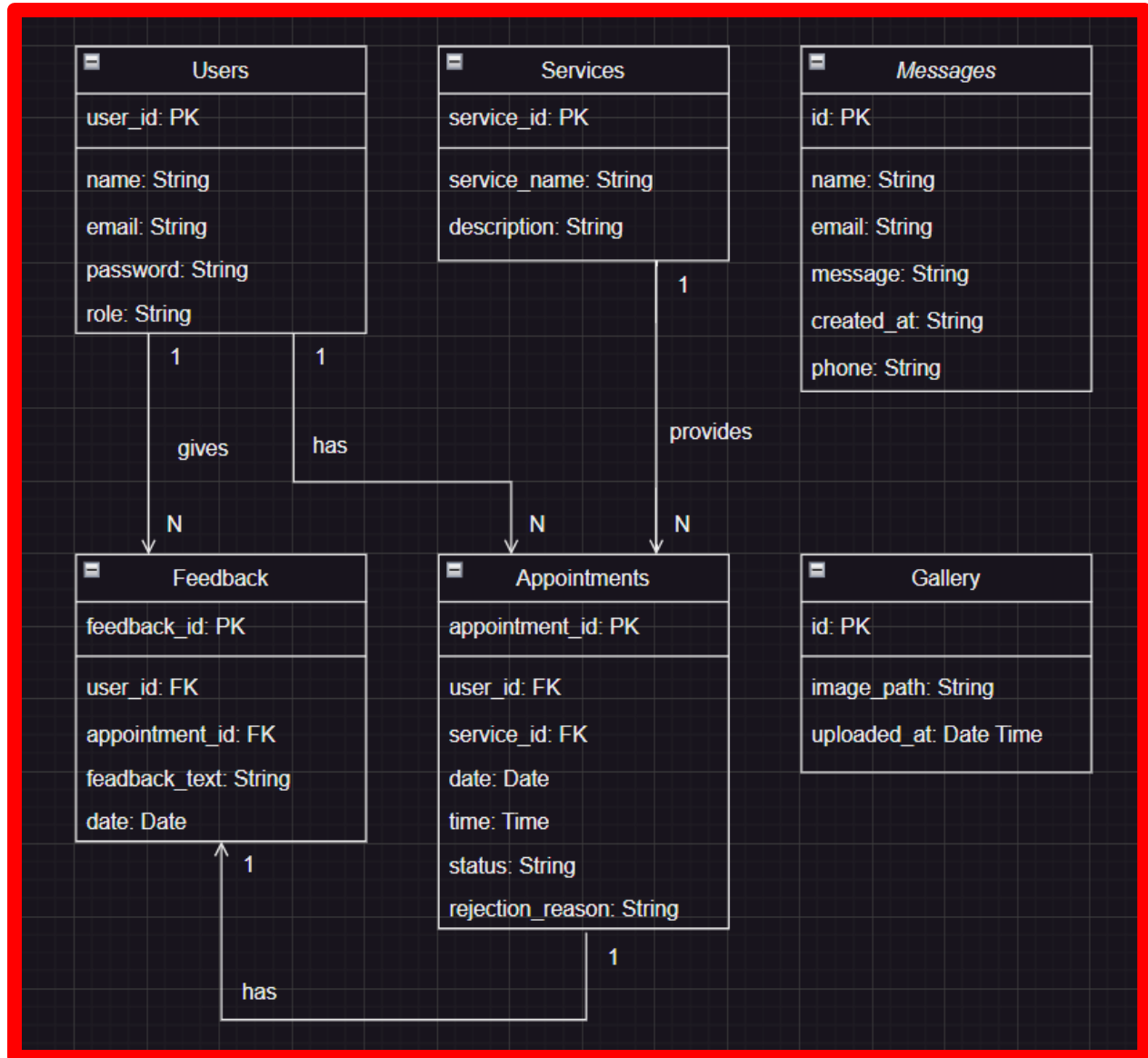
- PHPStorm & phpMyAdmin

4. Local Server

- XAMPP

And I used Figma & Canva to visualize the design of the site.

UML Digram



Discussion About Project GUI

The Graphical User Interface (GUI) of the "Your Smile Clinic Management System" was designed with simplicity and usability in mind.

1. Admin Dashboard

This is the command center for the clinic's administrators. From here, admins can manage appointments, services, messages, gallery images, and user accounts.

Key Features:

- Summary cards for an overview of pending appointments or unread messages.
- Buttons to navigate to different management sections.

2. Manage Appointments

This page allows the admin to oversee all patient appointments. They can approve or reject requests and provide reasons for rejections.

Key Features:

- A table displaying appointment details like date, time, service, and status.
- Actions like "Approve," "Reject," or "Delete" appointments.
- The ability to view rejection reasons.

3. Manage Messages

Admins can view and respond to messages sent by patients through the contact form.

Key Features:

- A table listing patient names, email addresses, and messages.
- A "Reply" option to send a response directly to the patient's email.

4. Manage Gallery

The gallery interface allows the admin to upload or delete images for the clinic's public gallery.

Key Features:

- Image previews with "Delete" buttons for easy management.
- A file upload option for new gallery entries.

5. Manage Services

The services page is where admins can add, edit, or delete the clinic's offered services. This ensures patients always see the most up-to-date service information.

Key Features:

- A table listing service names and descriptions.
- Buttons for "Edit" and "Delete" next to each service.
- An "Add New Service" form.

6. Manage Users

This interface helps admins manage user accounts. They can view patient details, update information, or remove users if necessary.

Key Features:

- A table showing user IDs, names, emails, and roles (Admin or Patient).
- Options to edit or delete user accounts.
- Also the admin can put any one admin if he need like another admin to help.

7. Contact Us Page

The Contact Us page is designed for patients or any one to reach out to the clinic with questions or concerns. It features a clean form where patients can enter their name, email, phone number, and message.

8. Login and Signup Form

The login and signup page ensures secure access to the system. Patients can create accounts, while admins have exclusive access to manage the system.

Key Features:

- Role selection (Admin or Patient) during login.
- Error messages for incorrect login.
- Password encryption for security.

9. Patient Dashboard

This is where patients can view their upcoming appointments, send feedback, and explore services.

Key Features:

- Appointment history with status indicators (e.g., Pending, Approved).
- Feedback submission for completed appointments.
- Quick navigation to book a new appointment.

11. Book Appointment Page

Patients can use this page to book appointments by selecting a service, date, and time. If a time slot is unavailable, the system notifies the patient.

Key Features:

- Dropdown menu to select a service.
- Date and time pickers for easy scheduling.
- Automatic validation for unavailable slots.

10. Gallery

The gallery showcases images of the clinic's facilities and happy patients. It is a public page designed to attract new patients.

Key Features:

- Responsive image grid with hover effects.
- Dynamic updates when admins add or remove photos.

11. About

It shows information about the doctor, such as his name, phone number, and email, and it shows the certificates, who he has, or the experience.

Conclusion

The "**Your Smile Clinic Management System**" makes clinic operations simpler by providing a secure and easy-to-use platform for both admins and patients. It saves time, improves efficiency, and shows how technology can make everyday tasks easier and more effective.

References

- **MySQL Documentation:**
To understand database design and queries.
Link: <https://dev.mysql.com/doc/>
- **W3Schools:**
Link: <https://www.w3schools.com/>
- **Stack Overflow:**
Link: <https://stackoverflow.com/>
- **Canva and Figma:**
 - Canva: <https://www.canva.com/>
 - Figma: <https://www.figma.com/>
- **Uiverse:**
The largest library of open-source UI.
Link: <https://uiverse.io/>