

Project: “Medical Clinic Website” (PART TWO)

1. Database Creation

Create a MySQL database named “medical_clinic” containing the following tables:

a. authentication

Fields:

- id (PRIMARY KEY, AUTO_INCREMENT)
- username
- password (Optional : the password should be hashed)

b. appointments

Fields:

- id (PRIMARY KEY, AUTO_INCREMENT)
- first_name
- last_name
- birthdate
- gender
- requested_service
- preferred_date
- preferred_time
- email
- phone
- address
- allergies_history
- selected_doctor
- medical_file
- created_at

2. Connect to the Database

Create a connection.php file to establish a connection to the MySQL database using PDO.

3. Appointment Form Processing

- Implement a PHP page to receive and process the appointment form from *appointment.html*.
- Validate all fields (empty fields, email format, file type, etc.) and recheck required fields.
- Sanitize all inputs to prevent SQL injection and XSS.
- Store the submitted data inside the appointments table.
- Upload the medical file, validate file upload types (PDF, JPG, PNG), then store its reference in the database (Optional).
- After saving, display a success confirmation message to the user on the website: *"Your appointment request has been submitted successfully."*

4. User Login System

- Add a Login button in the site header or navigation bar.
- Create a login.php page. Allow the user to create a new account, save it to the database (optional: with a hashed password).
- Authenticate users using the authentication table.
- If credentials are correct, start a session and redirect to the admin dashboard.
- If incorrect, display an error message: *"Invalid username or password."*

5. Admin Dashboard Template

- Download a free Bootstrap Admin Dashboard template.
- **Keep only the necessary pages. Your final project should contain only the pages that are actually used.**
- Integrate your login system so the dashboard is accessible only by authenticated users.

6. Manage Appointment Requests (Admin Panel)

- Create a page: manage_appointments.php (or similar) containing:

HTML Table Columns:

First Name, Last Name, Requested Service, Preferred Date, Actions.

The Actions column should contain 4 buttons:

1. Details

- Opens a page showing the full appointment request including file link.

2. Edit

- Opens a form pre-filled with the appointment data.
- Allows the admin to modify fields and update the database.

3. Delete

- Show a confirmation popup: *"Are you sure you want to delete this appointment request?"*
- Deletes the selected appointment after the confirmation button is clicked.

4. Download File

- Allows downloading of the uploaded medical file (Optional).

7. Optional Features

- DataTables Integration: Use DataTables to improve the admin appointment table:
 - Search
 - Pagination
 - Sorting
- Email Notification: Automatically send a confirmation email to the patient.