Web Design final project Documentation

Mihyar Al Hariri
Department of computer science and mathematics
West university of timisoara

June 8, 2023

1 Introduction

This document provides documentation for the user authentication, login, registration, and dashboard functionality implemented in PHP. The code snippets provided demonstrate the basic structure and functionality of each component.

2 User Authentication

2.1 Session Management

The code starts with the session management configuration. It utilizes the `session_start()` function to start a session and checks if a user is already logged in by checking for the presence of the "user" session variable. If the user is not logged in, they are redirected to the login page using the `header()` function.

2.2 Login Page

The login page code handles user login functionality. It retrieves the email and password from the login form and validates them against the database. Upon successful login, the user's information is stored in the "user" session variable, and they are redirected to the appropriate dashboard based on their user type.

2.3 Logout

The logout functionality is implemented in a separate file. It starts the session, destroys the session data, and redirects the user to the login page.

3 Registration

The registration code handles the user registration process. It validates the form inputs, such as full name, email, password, and user type. The code checks for errors, such as empty fields, invalid email format, password length, password matching, and the user can choose what kind of the users will be (Doctor or Patient). If there are no errors, the user's information is inserted into the database.

4 Dashboard

4.1 Patient Appointments

The patient appointments code displays a list of appointments for a logged-in patient. It verifies that the user is a patient, fetches the appointments from the database, and presents them in a table format.

4.2 Doctor Appointments

The doctor appointments code displays a list of appointments for a logged-in doctor. It verifies that the user is a doctor, fetches the appointments from the database, and presents them in a table format and the doctor has the ability to add , edit, and delete the appointments for his patients.

5 HTML Code

The HTML code provided represents the front-end structure of the Medical Clinic website. It includes a header with a navigation menu, a main section with a slider for showcasing images, and a footer with a copyright statement.

5.1 Header

The header section contains the navigation menu of the website. It includes links to various pages such as Home, About Us, Services, Doctors, and Contact. Additionally, it contains a Login/Sign Up link, which redirects users to the registration page.

5.2 Main Content

The main content section consists of a single section with the ID "home." This section represents the homepage of the website and includes a welcome message and a slider for displaying images. The slider showcases different pictures of the clinic's interior.

5.3 Footer

The footer section contains a copyright statement, indicating that all rights belong to the Department of Computer Science in West University of Timisoara.

6 The technologies that used in this project

6.1 Front-End

6.1.1 HTML

At the beginning I used HTML to write the format of the front-end code.

6.1.2 CSS

Then I used CSS to style the HTML code.

6.1.3 JavaScript

At the end of the front-end section I used JavaScript to add the functionality to my website.

6.2 Back-End

6.2.1 PHP

I used PHP to connect the website with the database I have that I made using MySQL for the users information that used in the login and the Sign up forms and to connect the appointments system to the database that I used to store the appointments with patient name, doctor name, the email of the patient, the date, and the time of the appointment.

7 Conclusion

This documentation provides an overview of the user authentication, login, registration, and dashboard functionality implemented in PHP, as well as the HTML structure of the Medical Clinic website. Each code snippet is explained to give an understanding of its purpose and usage.