REPORT: HOMEWORK 3

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**• State the name of your application:**

Medical Appointment Management System

**• State your information:**

A web application that helps schedule and manage medical appointments for patients and doctors. The main point of the application is that the patients can book their appointments on their own.

**• Describe the problem (approximately 2 paragraphs) and your solution (approximately 2 paragraphs). Try to answer questions such as: what is the problem that is being addressed, who are the main users, and how is the application being used:**

Problem:

The inefficient process of scheduling and managing medical appointments.

In the old times, patients must call or visit clinics to book appointments, leading to waiting times and potential scheduling conflicts. Also, doctors face challenges in managing their schedules and keeping track of appointments manually. This could result in some problems as missed appointments, patient dissatisfaction, and inefficient use of healthcare resources.

Solution:

A good solution is the Medical Appointment Management System, a web application that speeds up the appointment scheduling process for patients and doctors.

TODO

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Patients can search for available doctors by specialty, view their profiles and availability, and schedule appointments at convenient times. You can also receive automatic reminders to minimize the risk of missing appointments. On the other hand, doctors can efficiently manage profiles, update availability, and access patient records during consultations to increase productivity and improve patient care.

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• Show your database schema graphically: list tables, their attributes, and relations, and if applicable, explain non-trivial attributes. I suggest making the graphical schema representation with PHPMyAdmin Designer;

A picture containing text, screenshot

Description automatically generated

• List the sitemap of your application.