**Physical Therapy Clinic**

Presented to:

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CSCI 305: Database Systems

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**physical therapy clinical management systems**

**Problem** definition**:**

Most clinics have problem-saving patients’ info and their medical history. The clinical Patient management system is enhanced from the traditional paper-based management system that has been used in the clinic. Based on the previous system, the patient who comes to the clinic for the first time is registered via the system. The assistant assists the patient by writing down the personal details in a form. The patient gets the treatment and information. The system manages the activities in the clinic concerning appointment dates, times, patient names, doctor names, and receptionist management.

**Proposed Solution:**

We are going to take a brief about physical therapy clinical management systems and how the database of patients, doctors, and receptionists are managed. To clarify our relations we used ERD, relational schemas.

This system is a software solution that aids in the management of clinical physical therapy. You can avoid scheduling mistakes and overbooking your patients with the use of this system. It integrates patient data and makes it simple to view and modify your schedule. Additionally, it updates your calendar automatically to make sure no appointments are forgotten.

* Key Features:
* Login feature:

Allows the doctor, nurse, and patient to login into the system by entering their username and password.

* Add patient:

Allows the nurse to add patient’s appointment information

* delete patient:

Allows the nurse to delete the patient’s appointment information

* Patient scheduling:

Allow the patient to book an appointment

* Billing and Accounting:

Allow patients to pay their fees by cash or card

* Medical recording:

Store the history information of the patient in the database

* exercise management:

show the treatment that the patient should follow

**ERD:**

Diagram

Description automatically generated

**Relational Schema:**

Diagram, engineering drawing

Description automatically generated