



Phase I - Clinic Registration

CRN: 43511

Group 10

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Project Title: Clinic Registration

Mandatory DB system (may change depending on application):

Login

<u>username</u>	<u>email</u>	password
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New patient Registration

<u>patientID</u>	patientFirstName	patientLastName	<u>username</u>	password	<u>email</u>	phoneNumber	age	gender	dateOfBirth
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New Doctor Registration

<u>doctorID</u>	doctorFirstName	doctorLastName	<u>username</u>	password	<u>email</u>	phoneNumber	age	gender	dateOfBirth
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Appointment

<u>patientID</u>	chosenDate	time	doctorLastName	<u>doctorID</u>
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Prescription

<u>prescriptionID</u>	<u>patientID</u>	<u>doctorID</u>	prescriptionName	startDate	endDate
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Suggested (TBD) DB system

- patientInformation (a list of information contain information about the client, eg: allergies, cancer, etc)
- Employee Check-In/Work Hours

The problem that the project will address

Our project will allow patients to have an easier time uploading, retrieving, and renewing prescriptions alongside allowing them to be able to book appointments with doctors. Doctors will be able to check patients' information to give advice or renew prescriptions.

Motivation:

Among several other suggestions, the clinic registration stood out the most, for it required an advanced database. The initial motivation came from a pharmacy database, however, it was decided that a clinic registration might have greater potential and have more room for implementing more components as compared to a pharmacy database. This will help build a stronger fundamental understanding of data management.

Implementation:

The tools that will be used to implement that system will be myPHP and MySQL alongside the use of PHP. The database will be used in the login and sign-up page where the patient is able to create an account to gain access to the website. Within the website, the patient will be able to see previous prescriptions, upload prescriptions, download prescriptions, book appointments, view account information.

Related work

Some related work includes online pharmacies such as shoppers. Shoppers allows users to “view your prescription history and prescriptions available for refill, receive refill and pick up notifications and refill prescriptions anywhere, anytime and on any device.” The difference is that there will be a direct connection to the doctors where they can seek advice.

Plan (*how the website might operate like)

Patient

1. The patient makes an account (information sent to login database)
2. Select that they are a patient
3. Fill out the form (information sent to new client database)
4. Sent to the website

5. Able to upload request prescription, upload the prescription, make an appointment, or log out

Doctor

1. The doctor makes an account (information sent to login database)
2. Select that they are a doctor
3. Fill out the form (information sent to new doctor database)
4. Sent to the website
5. Able to view and change prescriptions, or log out