Doctor's Office Scenario

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The Doctor's Office application will eventually allow two types of users: patients and Medical professionals/doctors, that will have their own screens to view. The application will allow the patient to be able to book appointments to see a medical professional where they will choose the time, date, and which doctor they would like to have their appointment with. Patient's will also eventually be able to review their medical history that the doctor has logged, and the prescriptions that they will need to take. The other user, the medical professional/doctor, will eventually be able to see their patient's preferred information in an organized manner, and be able to assign a prescription for the patient, as well as send this information to the pharmacy.

Scenario "Patient creates an account for the first time"

The patient will select the "Register Here" button to create an account since they do not have one already. The patient will then be redirected to a form where they will fill in their private information. Once the form is filled and verified to be valid, it will be added to the patient database.

Scenario "Patient books an appointment"

The patient will start the program by typing the name of the executable program.

The patient will then be greeted by a login screen which will ask for their login information consisting of an email address and password. Once the patient has entered in their login information it will be verified that they are a valid patient user. The program will then check if they are a patient or doctor, and will send them to the correct welcome portal.

For patients they will be sent to the patient page, where they will be asked to choose which specialty group of doctors they would like to see. Once the patient selects the specialty they would like to see they are then able to select any of the doctors of that specialty that are available. The patient also has the option of selecting no specific doctor if they choose to.

Once this process has been completed the patient will be sent to the calendar page. Here patients will be able to click on a date and see the available appointments for the doctors selected on the previous page. If the patient selected no specific doctor, it will simply display all of the available appointments for every doctor specializing in that field on the calendar page. The patient will then be able to choose an appointment and confirm their choice. Once their choice of appointment is confirmed they will be directed to a page containing a medical form, where they will fill in medical information related to their appointment such as their symptoms.

Scenario "Medical Staff viewing an appointment"

One of the medical staff will login the program by typing their username and password into the application. Once the application recognizes the information as valid, it will send them to the calendar page of all the current booked appointments. The staff will have the ability to view each appointment that is related to them and click it to see more details about the appointment.

Medical staff will also have permissions to update more details on the appointment which will describe the type of prescription prescribed, add more symptoms the patient may have, etc. The staff will also have the ability to book more appointments for the patient if it is required.
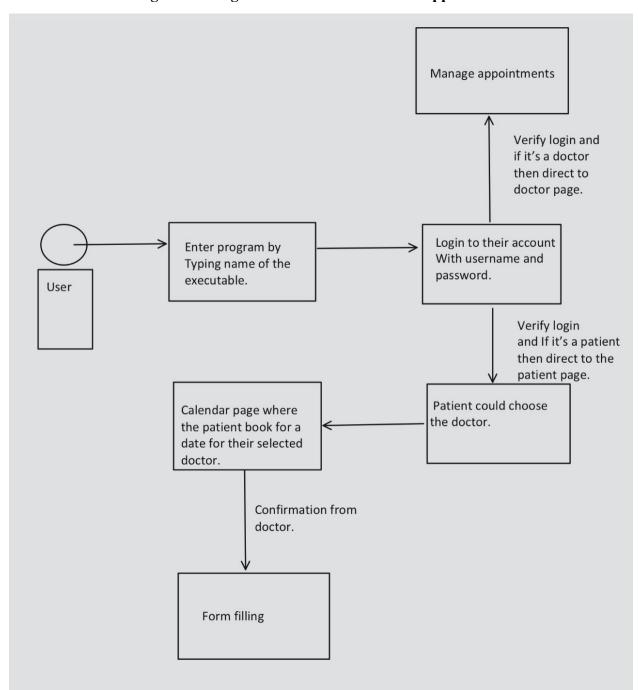
Figure 1 - Diagram of the Doctor's Office Application