## Al Farooq Medical Clinic (EHR)

Assalamu Alaikum, my name is Rameez Raoof and I am the lead administrator of the Al Farooq Medical clinic which is a clinic that runs every Sunday from 12-2pm. This clinic primarily caters towards a low socioeconomic class who usually cannot afford healthcare. We offer a wide variety of services such as prescriptions, blood pressure checking, in house medications, and lab blood testing through our partner LabCorp.

For the last 20 years the clinic has stored patient records via a paper intake form as well as an additional supplementary form which extinguishes the clinic and its employees' liability.

This is what the form looks like. This form is completed by a patient every single time they visit the clinic.



## **Al-Farooq Masjid Free Health Clinic**

Additionally, there is another form which looks like this.



I wanted to propose a workflow for an Electronic Health Records system that will allow for the following functionality

There will be 3 profile archetypes on the EHR.

- 1. The first profile will be a general volunteer's login. They will add the patient to the queue of patients the doctor will be seeing for that day. Additionally when the first name, last name, and date of birth of the patient is added the database will be searched for a close match. Due to our populace often not being literate, we cannot fully trust their first and last names being an exact match. It will check if there is a match that is 90% close to the given search.
  - a. If the patient hasn't come to the clinic before, a new profile for the patient will be established which will include their name, date of birth, age, gender, previous

medical history, and phone number (if applicable). After this a profile for us to modify will be established.

After the profile is pulled from the database or just newly created they will then have a new visit added to their profile for the day.

- 2. The second profile will be for the doctors. This doctor will have a queue of patients that will be updated as each patient is checked in. When the patient comes to them they will be able to open each patient, see their past visits, medical history, information, and everything. The doctor has to have a functionality where they can add notes to the patients current day form with an ipad and pen.
- 3. The third profile will be for the clinic administrator, which is currently me. The clinic administrator will be able to view the total database of patients (rather than having to search each time), view long term trends, and have access to the backend to add new volunteers and add new doctors to the system.

This EHR system needs to be server hosted and built in a way that someone without a CS background in the future will be able to maintain it. I will only be working here for another 1.5 years. After that the next lead volunteer is very unlikely to have a computer science background and there may be a loss of function.