***Techniques:***

One of the difficulties faces doctors when meet patients they didn’t have knowledge about his medical history like Previous diseases, treatments and symptoms for this patient.

Accordingly, we thought about storing this medical data for every one to give ability to doctors to right diagnose disease or specify the right medicine according to his medical history

So, we provide a **AI Model based on NLP and ML techniques** to hears conversation between doctor and patient to extract symptoms to diagnose disease **finally decision for doctor**

* **NLP model**: to convert audio to text and do preprocessing extract symptoms exchange it to vector of feature
* **ML model**: take vector of symptoms and classify this to diagnose and get this specific disease

We will implement this as a back-end and host it on serve and provide APIs to can use it on android or desktop or our site.

So… in android:

application components:

* + - Login page: This page has the user name and password, and it also has a button for the registration page if the user is not registered.
    - Registration page: A page that enables the user to register, to be able to use the application as a doctor or normal user.

After the user logs:

the **Doctor** will see a page containing :

Diagnose page: this contains the options to scan QR code for patient to see his medical history, Start and stop recording between doctor and patient to upload recorded audio to diagnose and option to add new medical record and note for this patient.

the **Normal user** will see a page containing:

Diagnose page: this contains the options to see his medical history and add new medical record and note for his medical history.