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# HEALTHCARE TECH APP

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## DOMAIN BACKGROUND

Healthcare technology refers to any IT tools or software designed to boost hospital and administrative productivity, give new insights into medicines and treatments, or improve the overall quality of care provided.

## PROBLEM STATEMENT

### - **Diagnostics and Self Assessment:**

The healthcare sector needs to tackle one of its major problems: incorrect or overdue diagnosis. When a patient wants to get a consultation, there are long queues at hospitals to see a professional. We'll streamline patient flows by doing everything from asking patients preliminary questions (Diagnostics) and generating a report such that it could be sent to a doctor for drug prescription.

### - **Identify Health Facilities:**

Using map technologies, we solve the problem of people not knowing where the closest health facility (Hospitals, Pharmacies, etc.) around them are.

## DATASETS AND INPUTS

### **User's Details:**

The user's full name, email address, phone number, and password will be needed during registration. These details will be needed during registration to save user information on the database, while the saved details will be required whenever the user tries to log in.

### **Diagnosis/Self Assessment Data:**

A third party with a predefined list of sickness, symptoms, issues, and diagnosis for making a self-assessment or diagnostic report.

### **Location Details:**

The user's current location will be required. Location details like Longitude and Latitude will be required for the Map API to get the closest healthcare facility to them.

## SOLUTION STATEMENT

**When the project is complete, users will be able to:**

- Perform self-assessment reports from the comfort of their homes.
- Send reports to doctors/pharmacists for drug prescription.
- Get the closest health facilities wherever they are. Even if they are new to the location.

**We'll build an AI Chatbot to performing a self-assessment/diagnostic report by giving the user a set of questions to answer.**

**We'll integrate Google Maps API to find closes health facilities around a user at a point in time.**

A healthcare professional, likely a nurse or doctor, is shown in a clinical setting. She is wearing a light blue scrub top and a white surgical mask. She is looking down at a laptop computer that is open in front of her. The background is slightly blurred, showing what appears to be a hospital room or clinic. In the foreground, there is a blue stethoscope resting on a white surface, and a white smartphone is also visible. The entire image is overlaid with a large, light blue, wavy-edged graphic that partially obscures the background. The text 'HEALTHCARE TECH APP' is prominently displayed in the center of the image, overlaid on the blue graphic.

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