# E-Clinic



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## **Executive Summary**

**Overview - Quick Pitch:** E-Clinic is a healthcare application made for communities that don't have access to immediate health assistance. E-Clinic utilizes computer vision and natural language processing artificial intelligence systems to cater to people who suffer from poor vision, are dyslexic, or are hard of hearing.

**The Problem:** How can we provide immediate healthcare access to underserved communities with accessibility for all people?

**The Solution:** Our Al solution includes creating an app using Computer Vision (Object Detection) and NLP (Optical Character Recognition & Speech-to-text API) to assess health issues and symptoms. Leveraging these aspects will enhance customer experience, accessibility to a wide audience, and will deliver a unique solution.

Our Competitors: Babylon Health, PlushCare, Spruce Health, how does E-Clinic compare?

Support We Need: World Health Organization credentials, Fundings and Partnerships, Career Opportunities

Ethical Considerations: Inclusivity and Fairness, Privacy and Confidentiality, Transparency and Accountability

## THE PROBLEM

#### **Health Inequity**

Providing assistance/resources to people who do not have access to immediate, local or quality healthcare



## **OUR SOLUTION**

**Object Detection** 

Computer Vision

Using images taken from patients to classify what potential symptoms are present with an accuracy percentage

Optical Character Recognition

Natural Language Processing

Analyzing key inputted text from patients (symptoms listed) as a means to figure out what the potential diagnosis may be and possible treatments

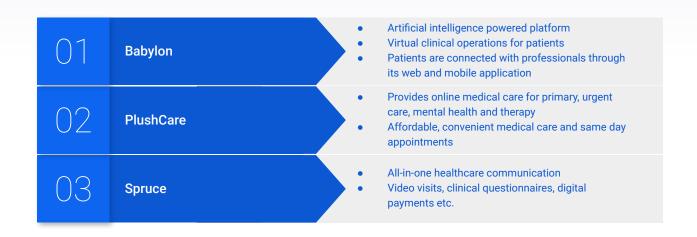
Speech-to-text

Natural Language Processing

Detecting patient's voice and identifying key words to provide a potential diagnosis



## **OUR COMPETITORS**



# What support will we need to make this solution a reality?

#### World Health Organization

To expand our services globally, support from the WHO would make our application credible and could increase the widespread adoption of our services.



#### Funding & Partnerships

The nature of our application and business model will require start-up capital. Applying for government grants that support innovative healthcare projects or seeking venture capital funding. Developing groundbreaking partnerships with leading healthcare providers across the world, our services would be more accessible and affordable to people around the world.

#### Post Graduate Career Opportunities

Students pursuing a career in the Healthcare sector can offer services and assistance through completing co-op/internship work terms or post grad career opportunities in providing healthcare research assistance.



# What are our ethical considerations?



#### Inclusivity & Fairness

- Volunteer opportunities for certified individuals such as students (e.g. voluntarily assist with research) & former healthcare professionals (e.g. retired doctors providing healthcare assistance)
- We provide services to all individuals in all environments regardless of ethnicity, religion, social status, sexual orientation & etc)

#### Privacy & Confidentiality

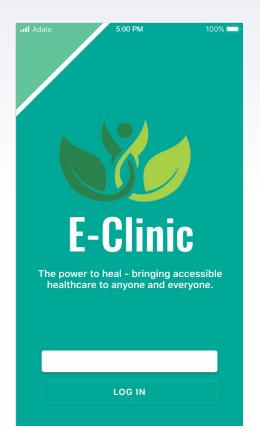
- All Personal Information and data are kept secure and private on Azure Cloud Services
- Done by using Azures
  Responsible Al to encrypt
  authenticator codes on
  personal data

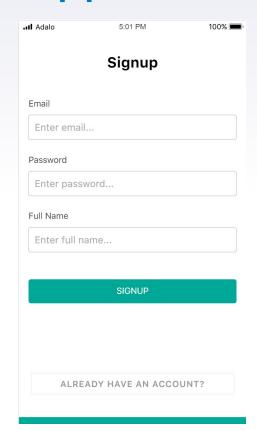


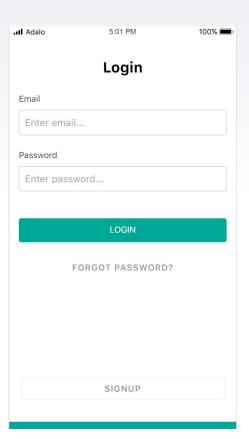
#### Transparency & Accountability

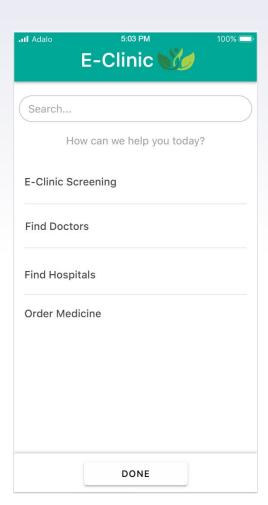
- Transparency will foster trust and communication (Building trustworthiness with patients by accurately communicating our company's objective and providing detailed explanation of how our services help individuals)
- Healthcare professionals provide credentials prior to offering diagnosis to ensure accountability

### **Our App Interface**



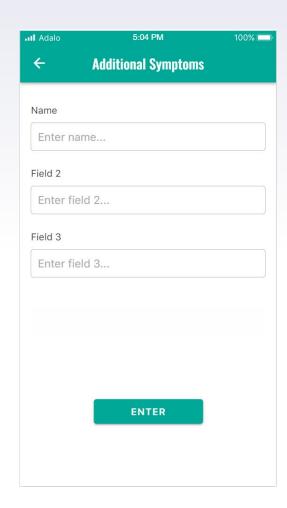




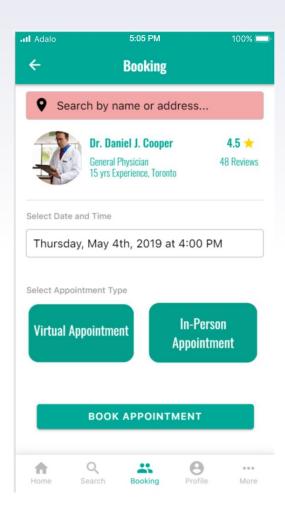


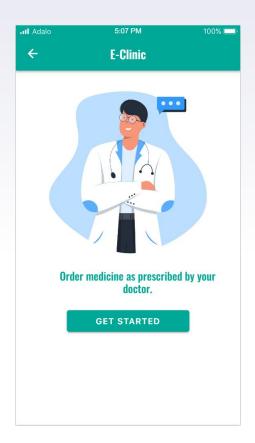


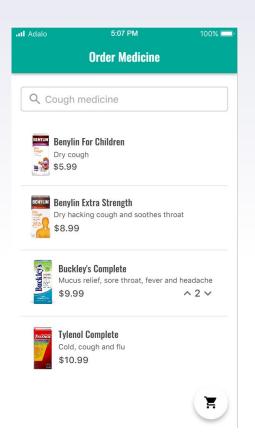












The link to our Demo App:

https://previewer.adalo.com/3b7fa370-24db-4d84-ac9d-d8b848c65b7e

## THANKS!

## **Any questions?**

You can find us at:

- @eclinic
- eclinic@mail.me



