

1.)

We have a prototype of our app and its core functionalities, using the framework of proto.io. We each have started intense research in our respective parts for the framework and the structure of the project. Including how to use Angular and Firebase to create the application. Having seen the prototype that was created, we are trying to see how to implement each function and how to make sure privacy is the number one priority. We are also starting to work on the video creation to track the movements of each age group, toddlers, kids, and teenagers. We are trying to understand how to create a video to test all the different types of eye examination from a phone/camera perspective. Lastly, we are trying to find the most optimal available technology to make the camera more optimal, to track the eye movement and to check if it is precise enough.

2.)ProtoType of mobile app

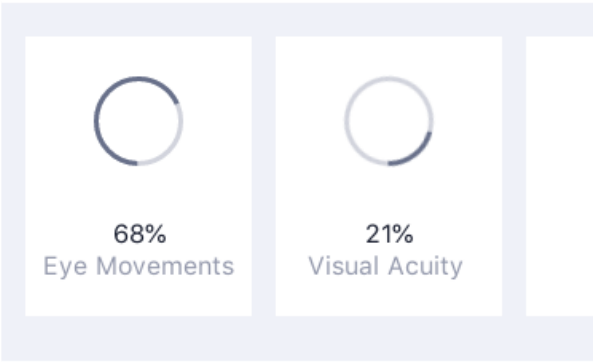


Patient Login

Doctor Login

Monthly Checkups

NovemberDecemberOctober





**Doctor**  
Online

Doctor

**How are you feeling?**

5 minutes ago

Patient

**Not well.**

5 minutes ago

Doctor

**Please complete the examinations.**

3 minutes ago

Doctor

**Message me when you are done.**

3 minutes ago

Patient

**I am done.**

2 minutes ago



Write message

Send



Welcome to VHC mobile.  
Please log in Doctor.

**Username**

Enter Username

**Password**

Enter Password

Login

# Patient Results

JUNE 4

Ramiro Gonzalez  
Visual Acuity



Complete

Oct,  
10,2019

Gabriel Mejia  
Eye Movements



+3

Oct, 01,  
2019

Jason Feng  
Visual Acuity



+2

Oct, 12,  
2019

Michael  
Visual Acuity



Complete

+1.11



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### 3.) Class Diagram

