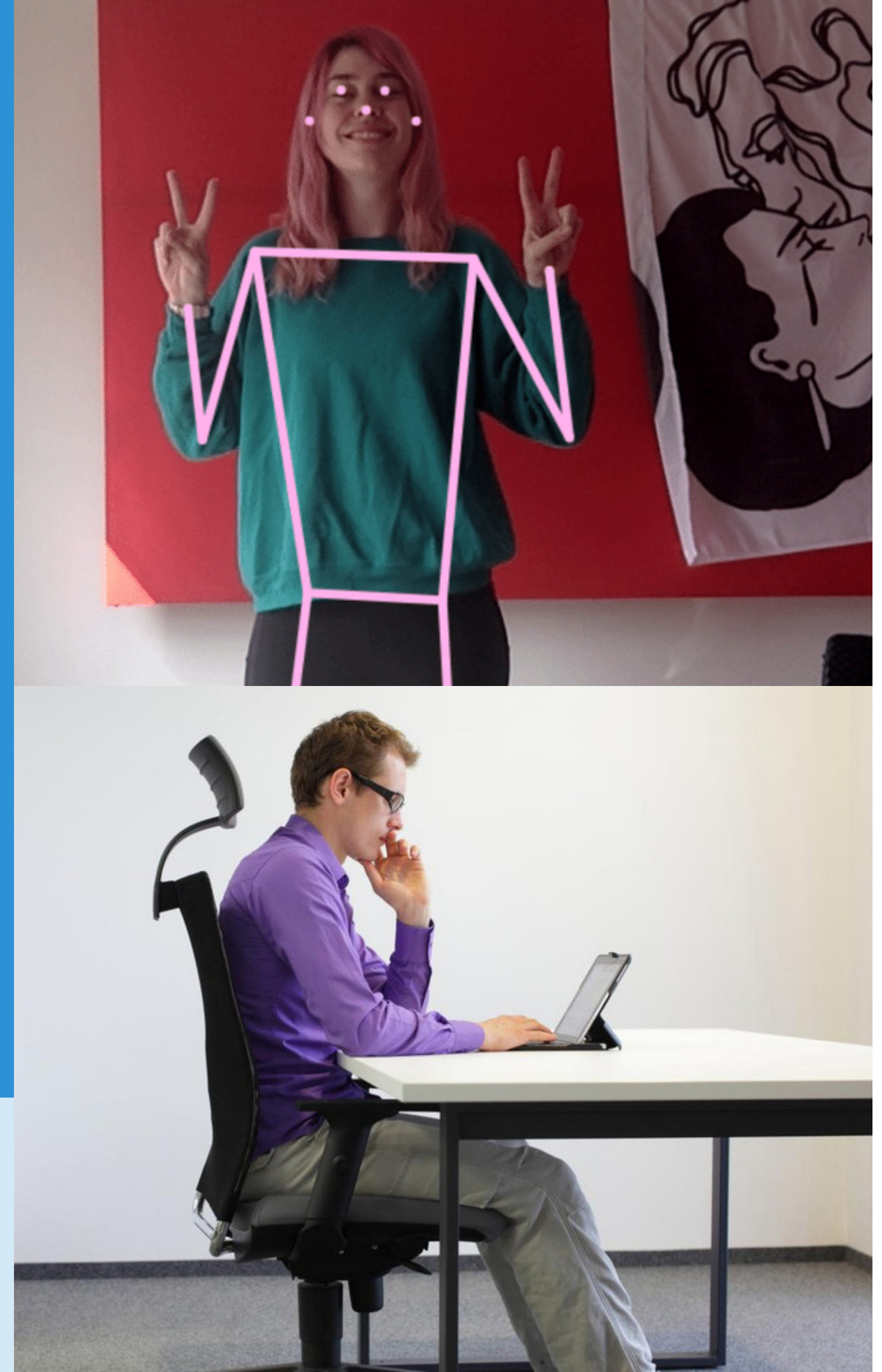


Project Name : FixYourSelf

Problem Statement:
Posture Detection and Correction

TEAM MEMBERS:
JAIWIN SHAH, VEDANT JOLLY, RISHABH JAIN,
ABHISHEK CHOPRA





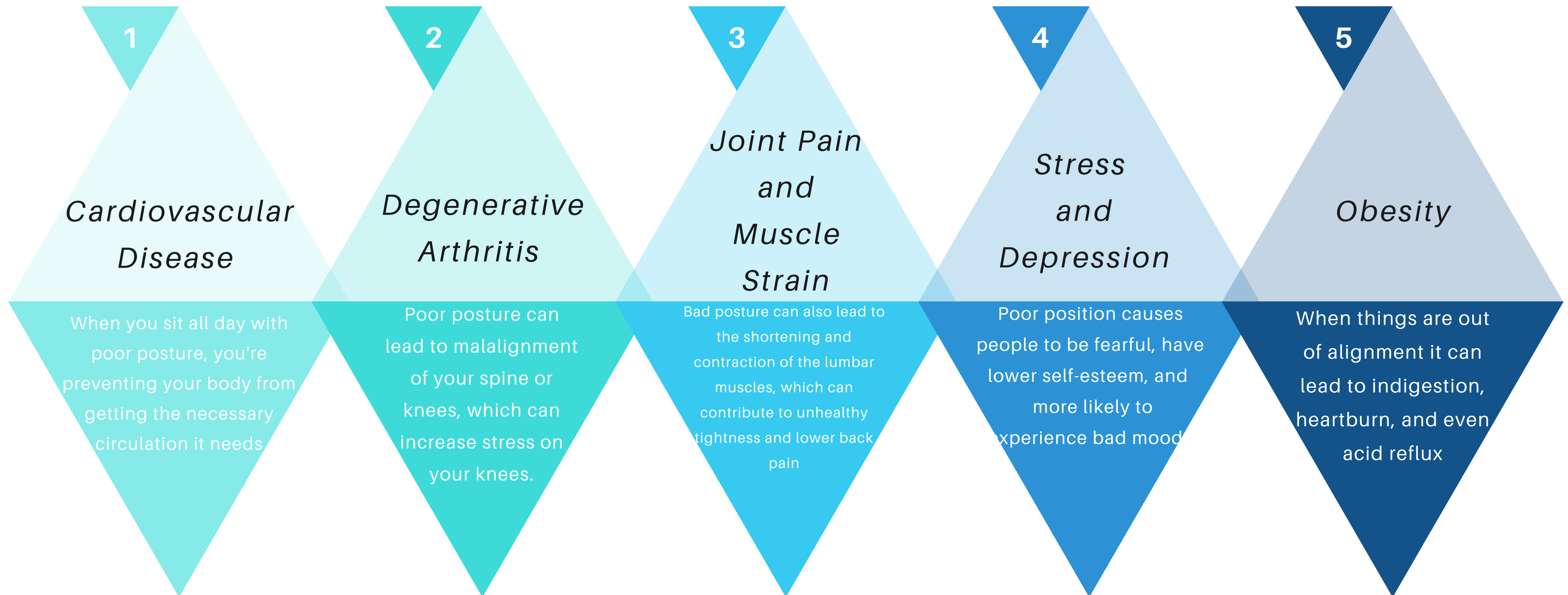
PROBLEM STATEMENT

Posture Detection

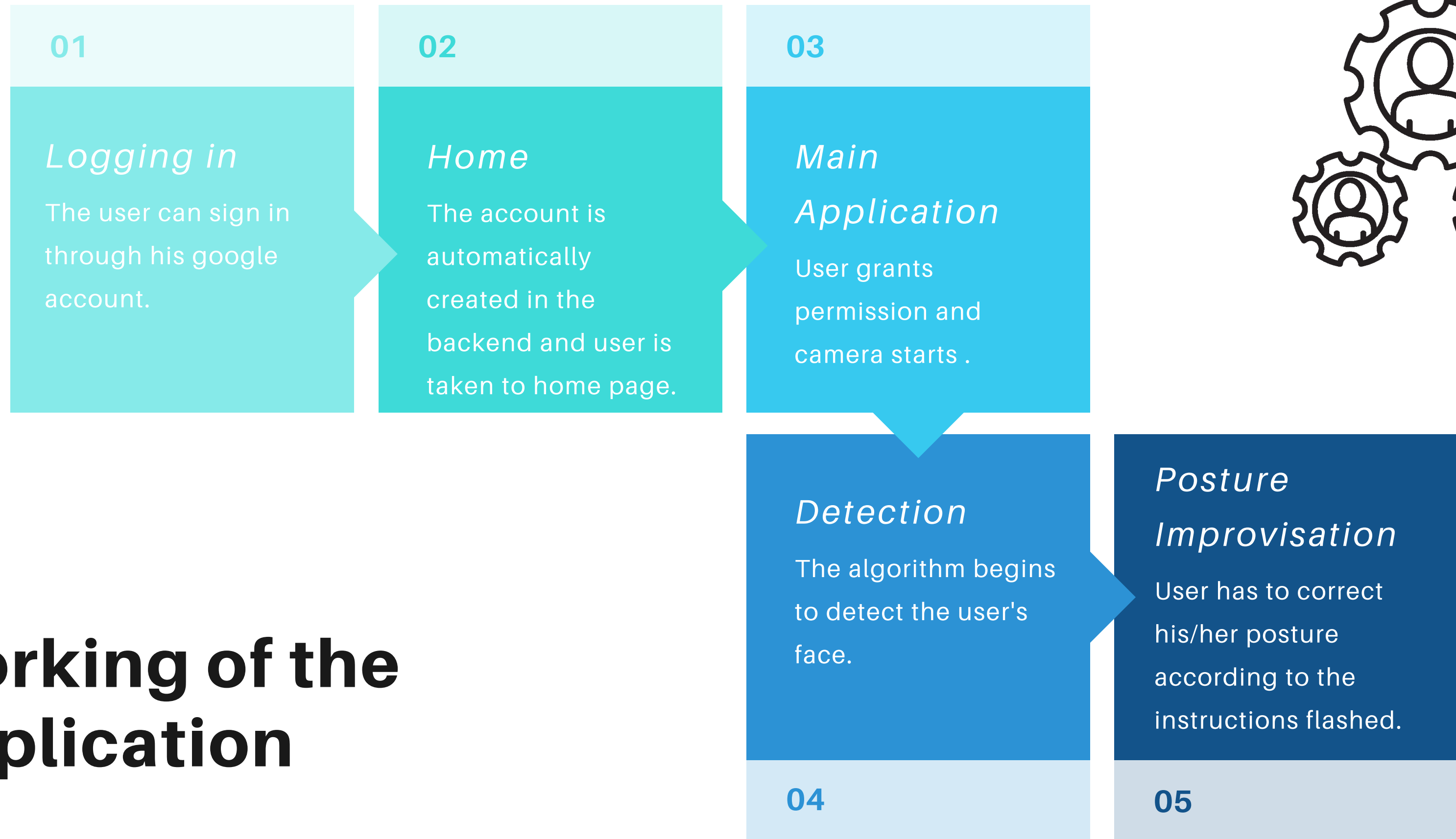
The head and shoulder are the first to be affected in the wrong posture when one pays attention to the screen.

Why is Good Posture so crucial?

Cause bad posture can lead to



Working of the Application



Tech Stack



01

JeelizAR

The face is detected in real time using this API written in JavaScript.



02

Three.js

It helps us with built in camera controls to create 3D scenes and hence uses collision detection technique.



03

HTML

HTML5 Web audio API in combination with Three.js to visualize audio.



04

Flask

This is the web framework we have made use of to embed the model.



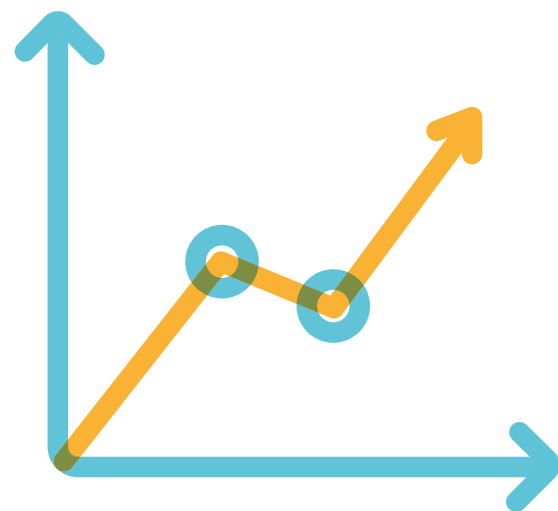
05

SQLite

This is a relational database management system that we use to store the data.



Future Scope and Market Viability



01

Dashboard

Additional Dashboard features that would provide statistics to users about their posture.

02

Notifications

The web app will send push notifications to users about their posture.

03

Smart Hide

This feature will detect if you have been away from your computer and will not any reminders until you return.

04

Extension

We plan to add a google chrome extension that will alarm the user to correct his/her posture.

05

Pandemic

There has been an accelerated shift towards the digital world and triggered changes that will last long. In such a situation, maintaining correct posture is crucial for our physical health.

THANK YOU !

