LogMyMotion
Your Virtual Personal Trainer

Motivation
- Personal trainers are a serious time and financial commitment
- Busy schedules make it hard to maintain a schedule of workout sessions
- Poor knowledge of an exercise greatly increases the chance of injury

Team Members
- Sam Kim, Team Lead
- Nikhil Patil, Scribe
- Eric Freilaffert, Developer
- Ethan Su, Developer
- Aryaman Das, Developer

Our Solution
- Visual feedback to guide the user towards proper form during workout
- Audio feedback to instruct and correct user based on performance
- Collect and display analytics about the user's progress over time

Application Overview
- Calibration Stage
- Exercise Stage
- Knee Angle
- Shoulder Alignment
- Squat Depth
- Feet Width

System Design
- User launches analyzer and performs exercise
- Real-time audible and visual feedback
- User reviews workout history and progress
- Text-To-Speech
- Joint-Detection Data
- Firebase Authentication Workout Data
- Google Cloud Platform
- React.js
- TensorFlow
- Analyzer
- Dashboard Workout Calendar