



CueMeIn

*Special
Olympics*



Runtime Terror: Mason Corey, Javier Jimenez, Leena Shankar, Juan Mendoza-Martinez, Armaan Shah

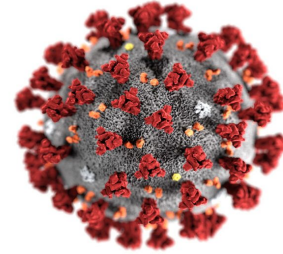
Intro: Who Are We?



- LogMeIn
 - Software provider, cloud-based remote network tools
- Special Olympics
 - World's largest sports organization for children and adults with intellectual and physical disabilities



What's The Problem?



- COVID pandemic: communication now virtual
- Certain intellectual disabilities can make online communication challenging
- No existing applications that improve video conferencing experience for people with disabilities

What's Our Solution?

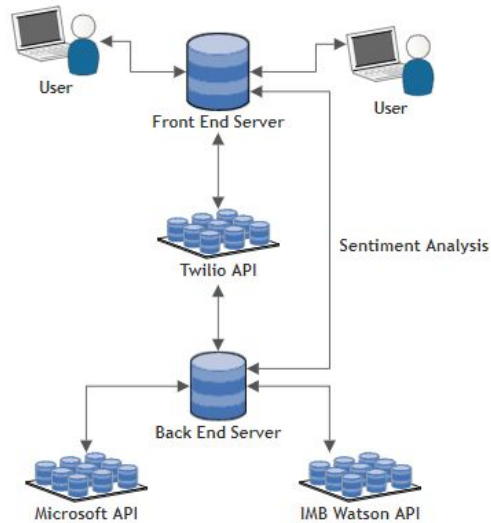
- Tool for Special Olympics that helps people with certain disabilities to interpret facial expressions and tone of voice
- Read emotional state of dominant speaker in a video call and display emoji that captures the speaker's current emotion



Demo

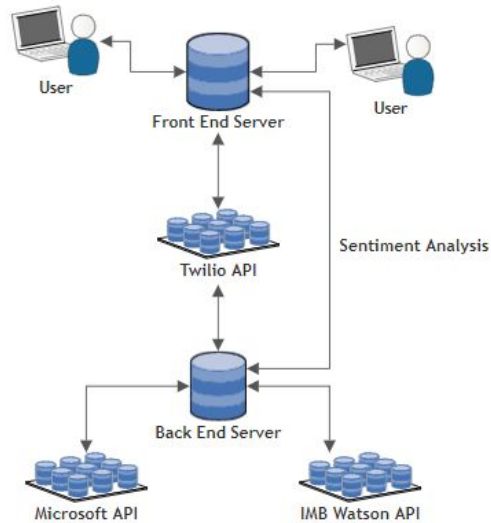


Frontend Implementation & Challenges



- Frontend Implementation
 - React JavaScript Library
 - Twilio API
- Frontend Challenges
 - Getting familiarized with React, JS, and Twilio functions
 - React components states

Backend Implementation & Challenges



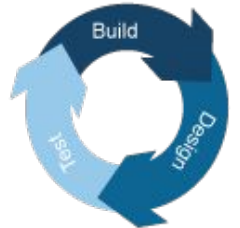
- Implementation:
 - Microsoft Face API for Image Processing
 - IBM Watson for Speech to Text and Audio Processing
- Challenges:
 - Familiarizing with Node Js as well as interfacing with Twilio
 - Communication between frontend and backend

Status	Type	Initiator	Size	Time	Timeline
(pending)	Project	RunTimeTerror.js	5 B	Pending	Winter Quarter

- Audio processing for dominant speaker speech
- Analysis for non-dominant users
- Various video conferencing functionalities
 - Chat box, screen share, participants list
- Layout of UI
- Testing
- Move from localhost to hosting service



FINAL SPRINT



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**VIRTUAL
HIGH FIVE!**