MVP Team Demo

TECL Introduction

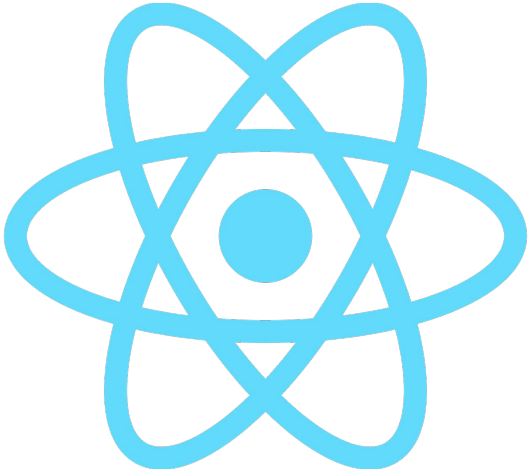
- Why does TECL need this tool?
  - Anonymity
    - TECL is a research lab at UofT that studies children
    - Videos of children are part of studies
    - Want to blur their faces to allow anonymity
  - Allow control of variables in a study
    - In some cases, seeing the background or face could change the results of the study
    - Allowed to control the independent variable of the study

Demo: https://csc301-d2.herokuapp.com/

Deployment & Handoff

- Using CircleCI for CI/CD
- Currently using Heroku for our server and database, AWS for S3
- Moving to an AWS-based deployment to match our client's needs (RIP Heroku)

Tech Stack

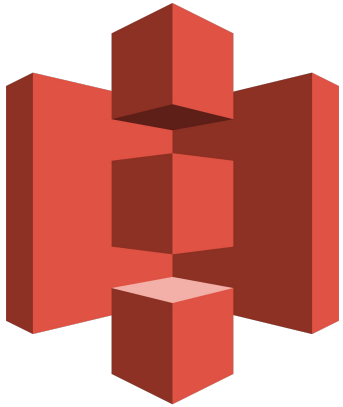


Frontend:

- React

Backend:

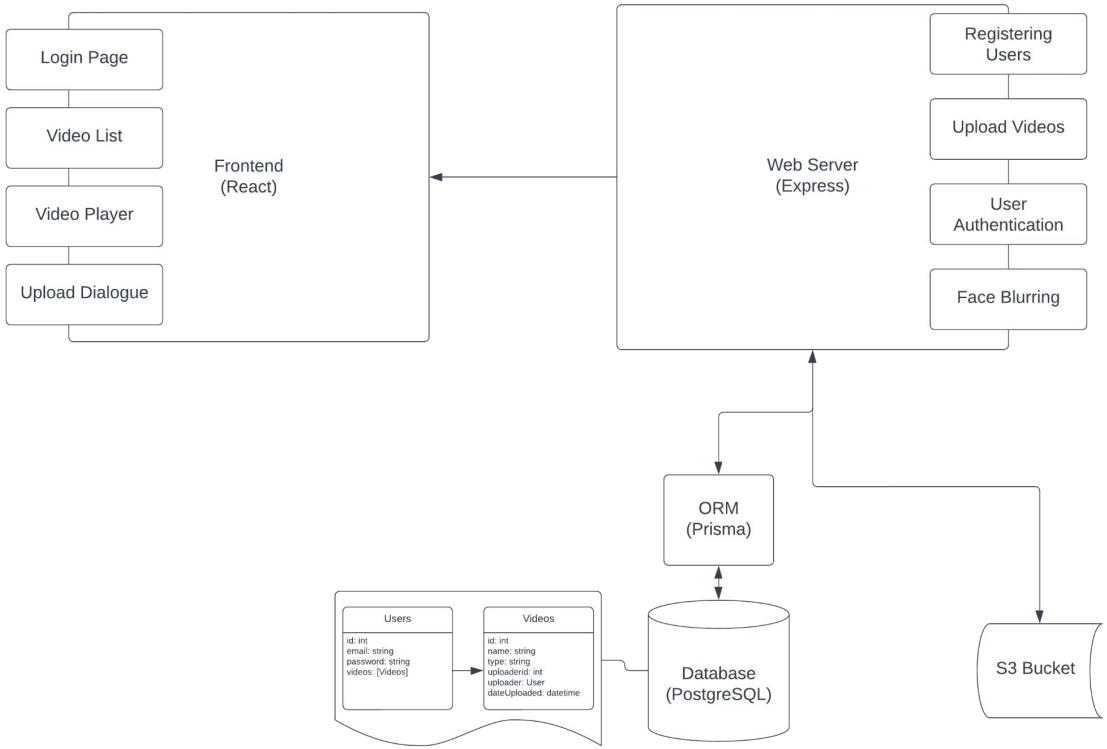
- Express node.js server
- Prisma ORM



Database/Uploads:

- Postgres DB (RDS)
- AWS S3 bucket to store uploaded videos

Architecture + Design



Key Learnings (Workflow)

Workflow

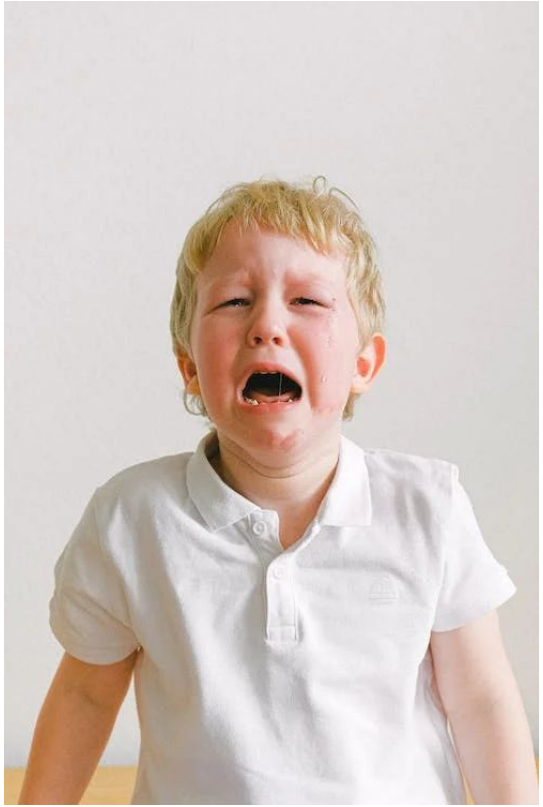
- Weekly standup and sprints
- Github issues and project board

Midway changes:

- Made the tutorial a formal standup
- Midweek discord check ins

Learnings:

- Assign multiple people to larger tasks



To Change

- Spend more time early on researching options
- Demos during standups
- Self-Defined “releases”

Contributions:

- Kenneth Miura: Run meetings, implemented home page & search functionality
- Siddarth Dagar: Setup frontend (ts, webpack, etc.), authentication, testing, AWS
- Lorena : Backend upload functionality, video deletion from database and S3
- Baker Jackson: Setup backend, jwt auth, face detection/blurring, CI/CD setup
- Jason You: Video Player, Video listing from database, Video Download
- Emily Chang: Frontend upload functionality, common components and logout
- Michal : Registration page, python script for face detection and blurring and background blurring, upload blurred videos to s3