Alpha Presentation
ViSUI: Video Simplified User Interface

The Capstone Experience

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Project Overview

• ViSUI web application to help simplify video content
• Create more language agnostic demos
• ViSUI removes unneeded content distractions by blocking or blurring the unwanted content
System Architecture

Client
- Bootstrap
- React
- Overlay Video Blocking for User

Server
- FFMPEG
- Express
- Translate Video to Static Images and Back

Data Stores
- Blob Storage
- Azure SQL Database
- Microsoft Authentication
- Azure OCR Vision

Video
Main Screen After Video Import

In the project directory, you can run:

```shell
npm start
```
Video Play Button
Frames Drawn On Timeline

In the project directory, you can run:

```
npm start
```
How much data is there?
What’s Left to Do?

• Burn the canvas overlay into the video
• Iteration for every single video frame
• Add export functionality for video
• Improve UI tools
  o Canvas boxes can be manually changed by user
  o Working library feature
  o Timeline frame selection
Questions?
End of slide show, click to exit.
How Much Data is There?

1 Frame of the Uploaded Video

In the project directory, you can run:

```bash
npm start
```

Runs the app in the development mode.

Open `http://localhost:3000` to view it in your browser.

The page will reload when you make changes.

You may also see any lint errors in the console.