

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

ViSUI: Video Simplified User Interface

The Capstone Experience

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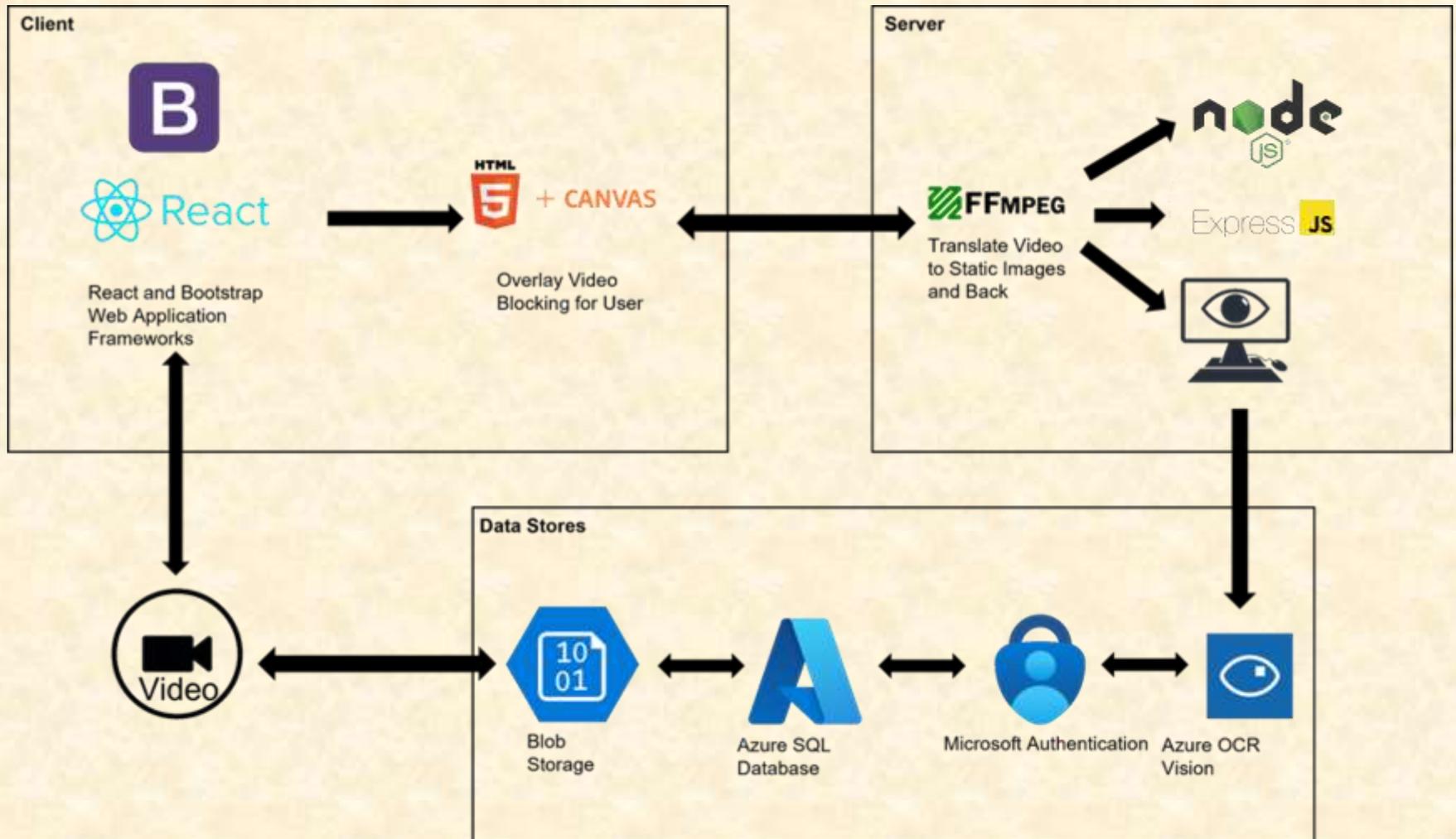
*From Students...
...to Professionals*

Project Overview

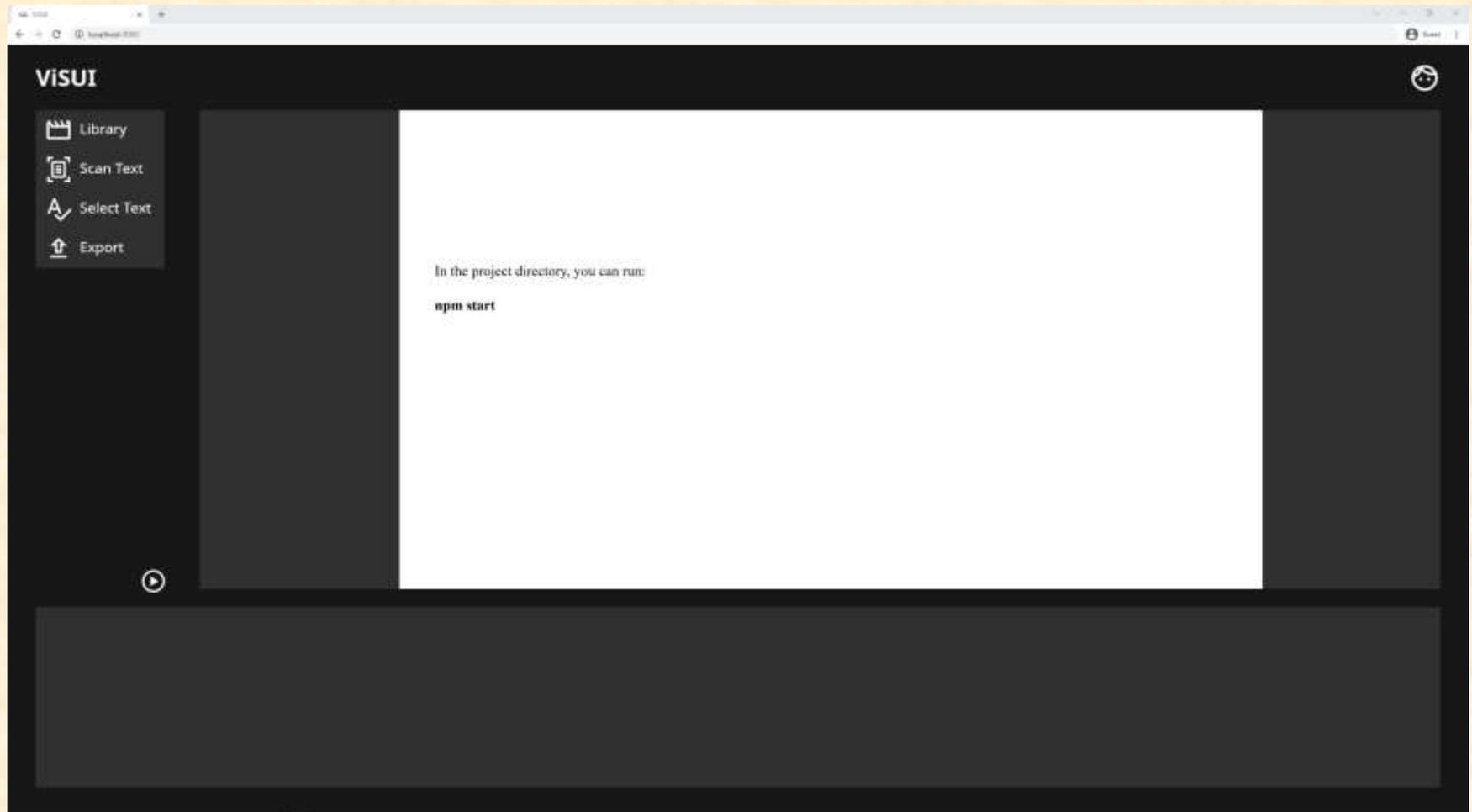
- ViSUI web application to help simplify video content
- Create more language agnostic demos
- ViSUI removes unneeded content distractions by blocking or blurring the unwanted content



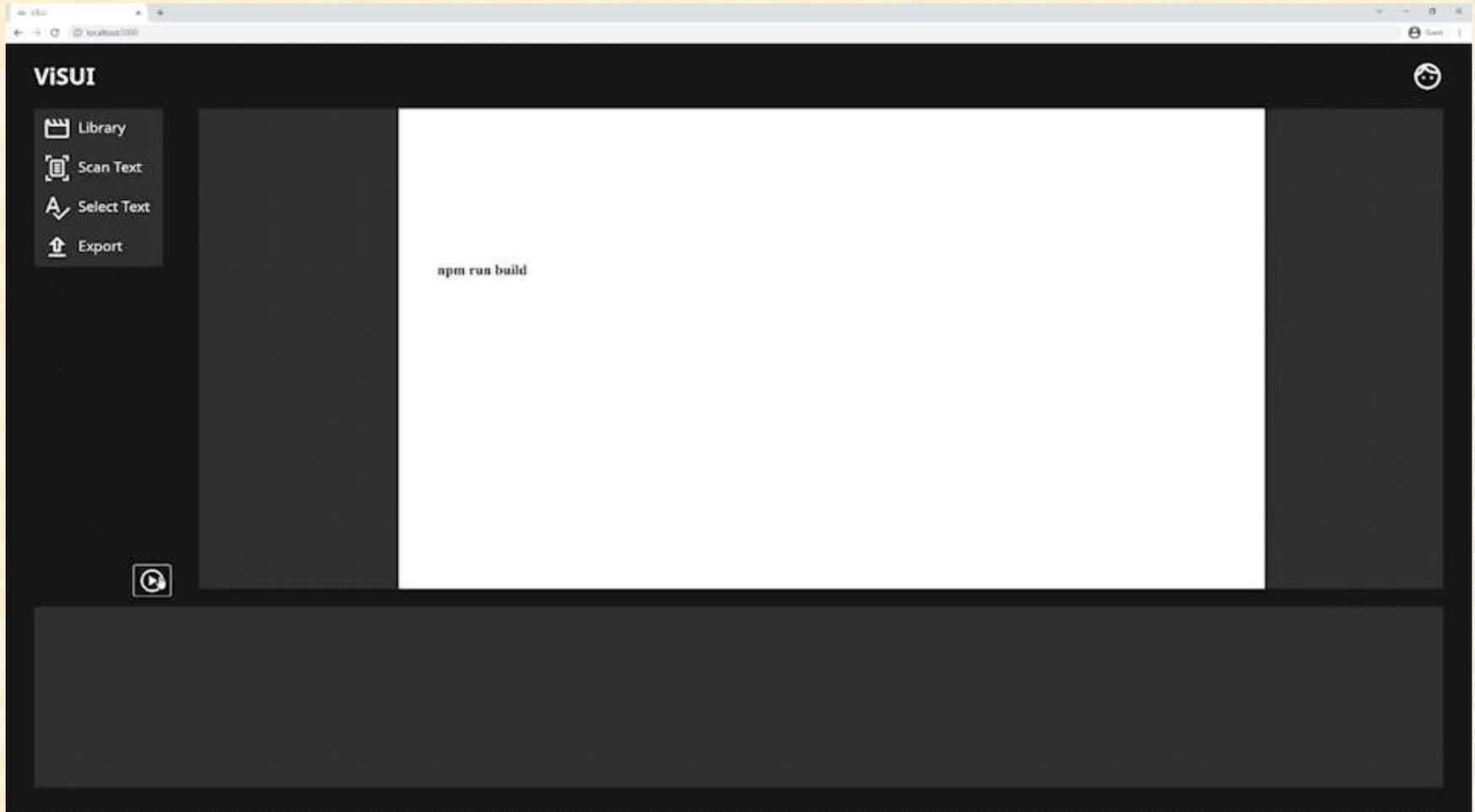
System Architecture



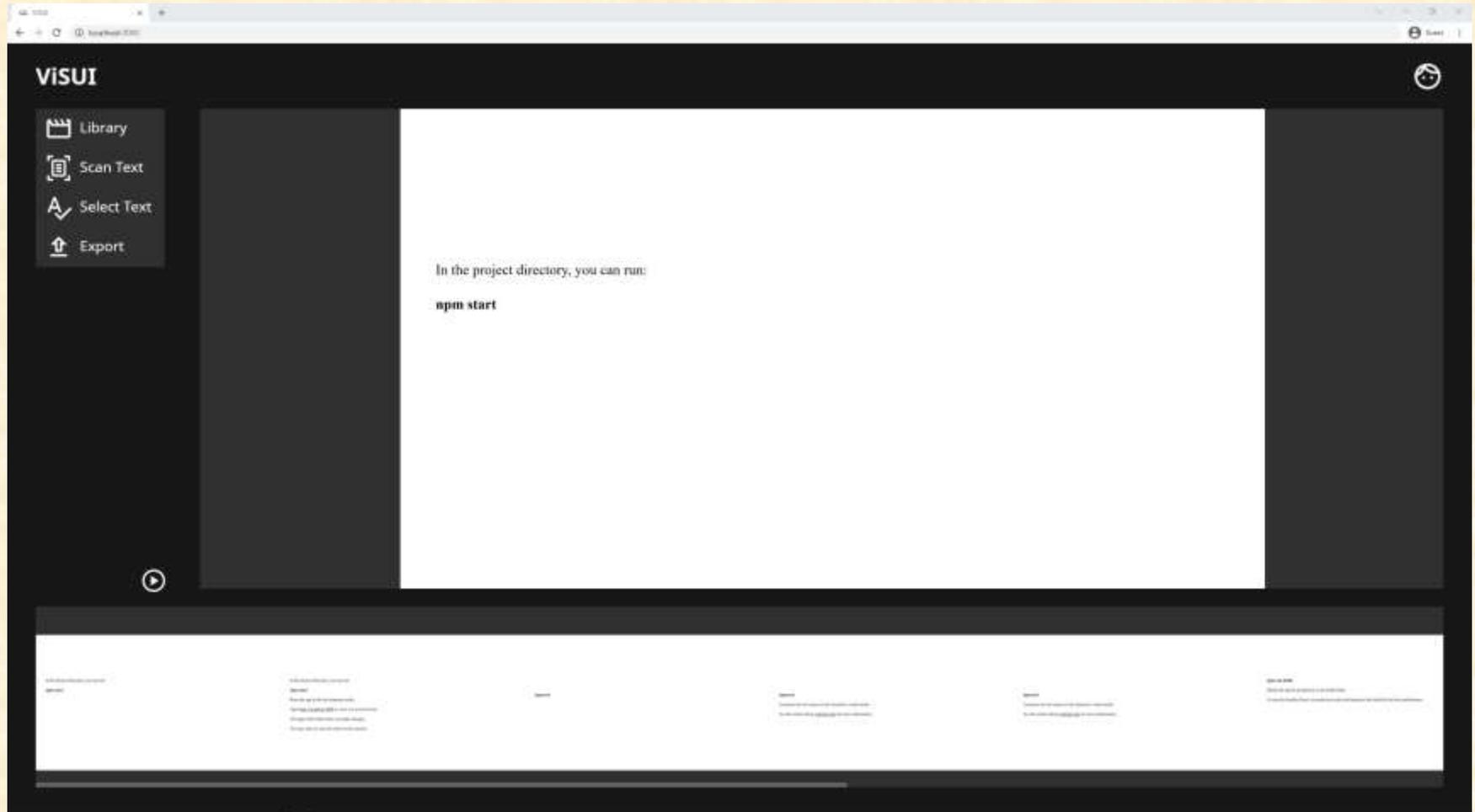
Main Screen After Video Import



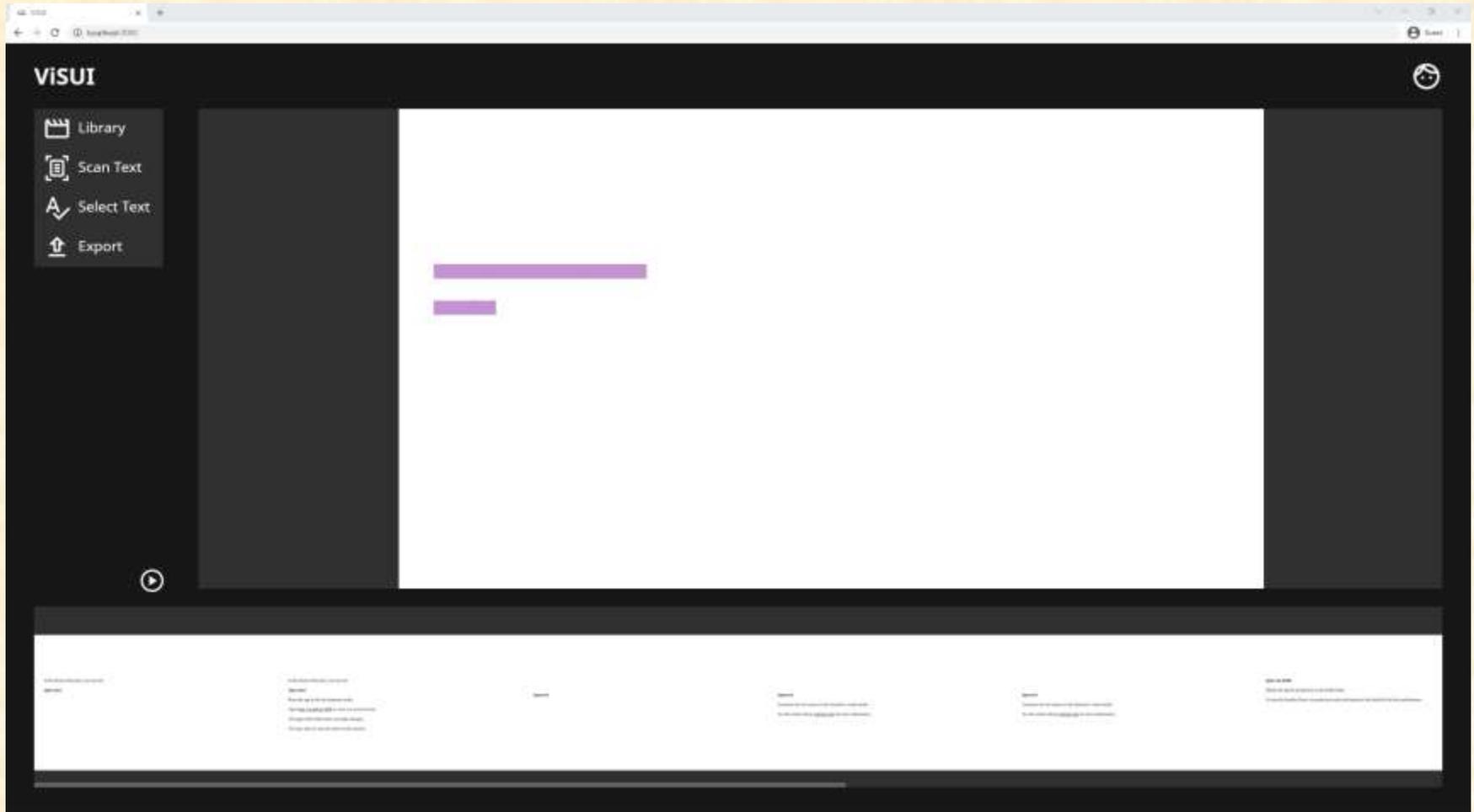
Video Play Button



Frames Drawn On Timeline



Text From Video Blocked



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
 - Canvas boxes can be manually changed by user
 - Working library feature
 - Timeline frame selection



Questions?

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End of slide show, click to exit.

How Much Data is There?

1 Frame of the Uploaded Video

```
0 => [
  [
    156, 699, 1100,
    700, 1100, 766,
    156, 764
  ],
  [
    155, 863, 432,
    857, 433, 911,
    157, 920
  ],
  [
    154, 1005, 1173,
    1004, 1173, 1068,
    154, 1068
  ],
  [
    153, 1156, 1542,
    1156, 1542, 1224,
    154, 1225
  ],
  [
    158, 1311, 1353,
    1312, 1353, 1379,
    158, 1378
  ],
  [
    158, 1466, 1370,
    1466, 1370, 1528,
    158, 1531
  ]
]
```

In the project directory, you can run:

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.

