

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Railroad Data Visualization

The Capstone Experience

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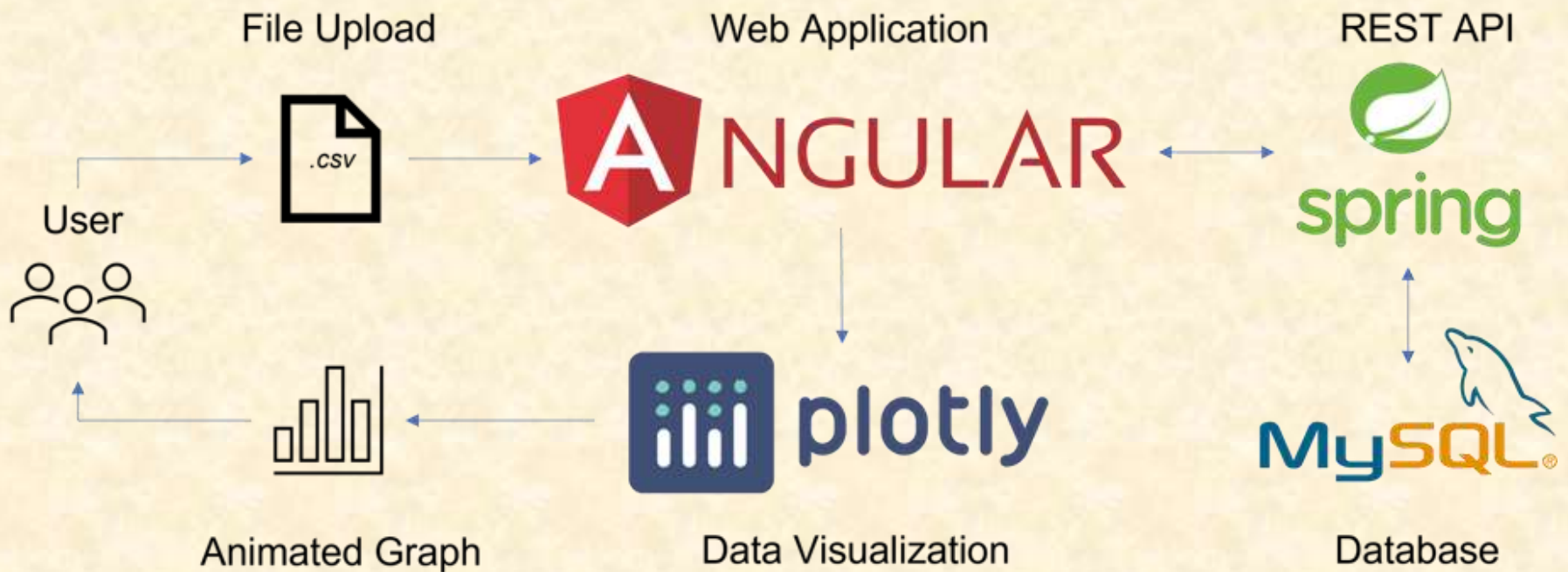
*From Students...
...to Professionals*

Project Overview

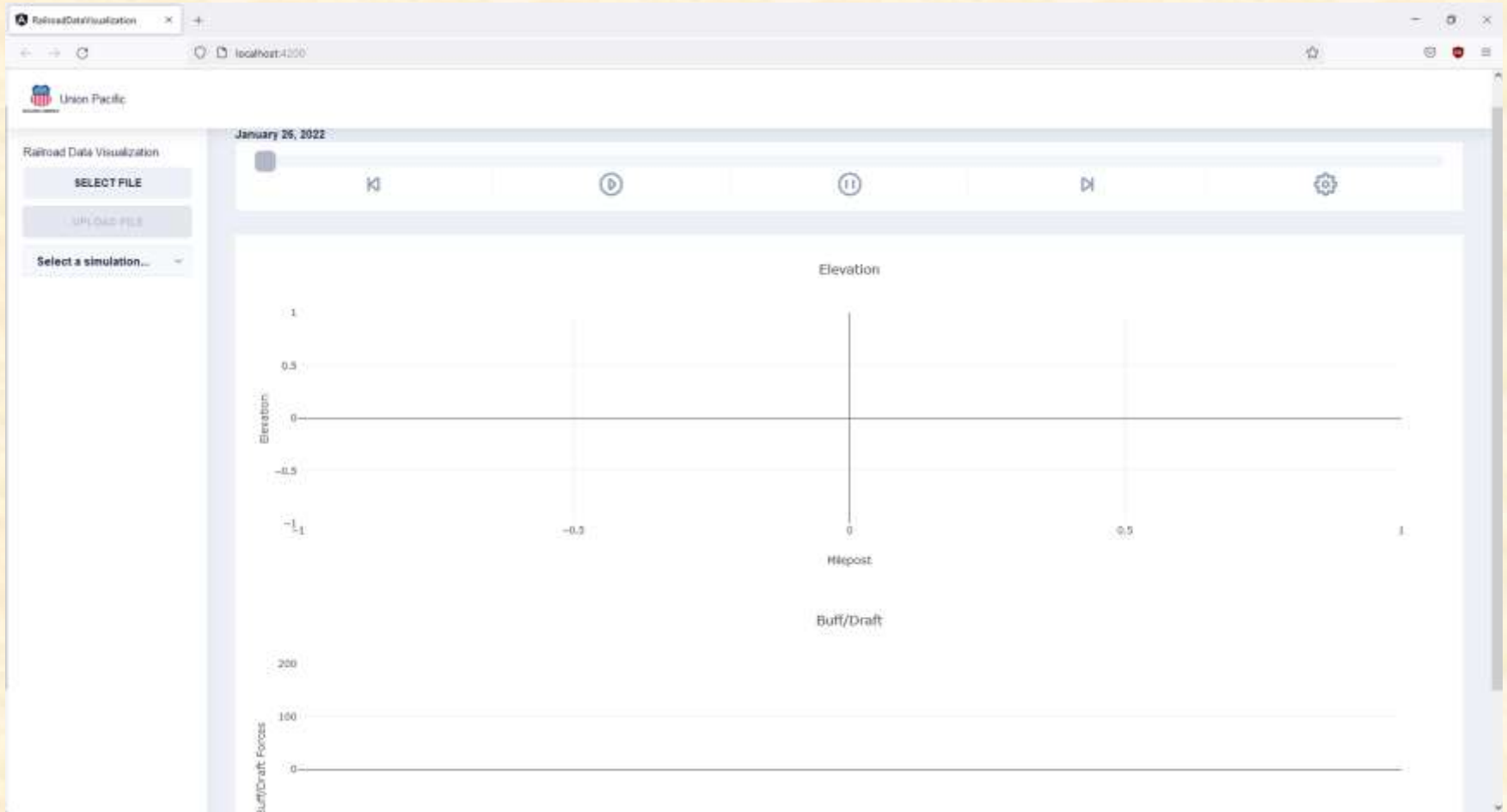
- Creates visualizations based on data from train simulation software that allow users to understand complex data with ease
- Visualizations can be created from both existing and new data stored as CSV files
- The multiple visualizations can be controlled by the use of media control buttons like pause, play, fast forward, and rewind as well as a scroll bar for quick access to specific points in time



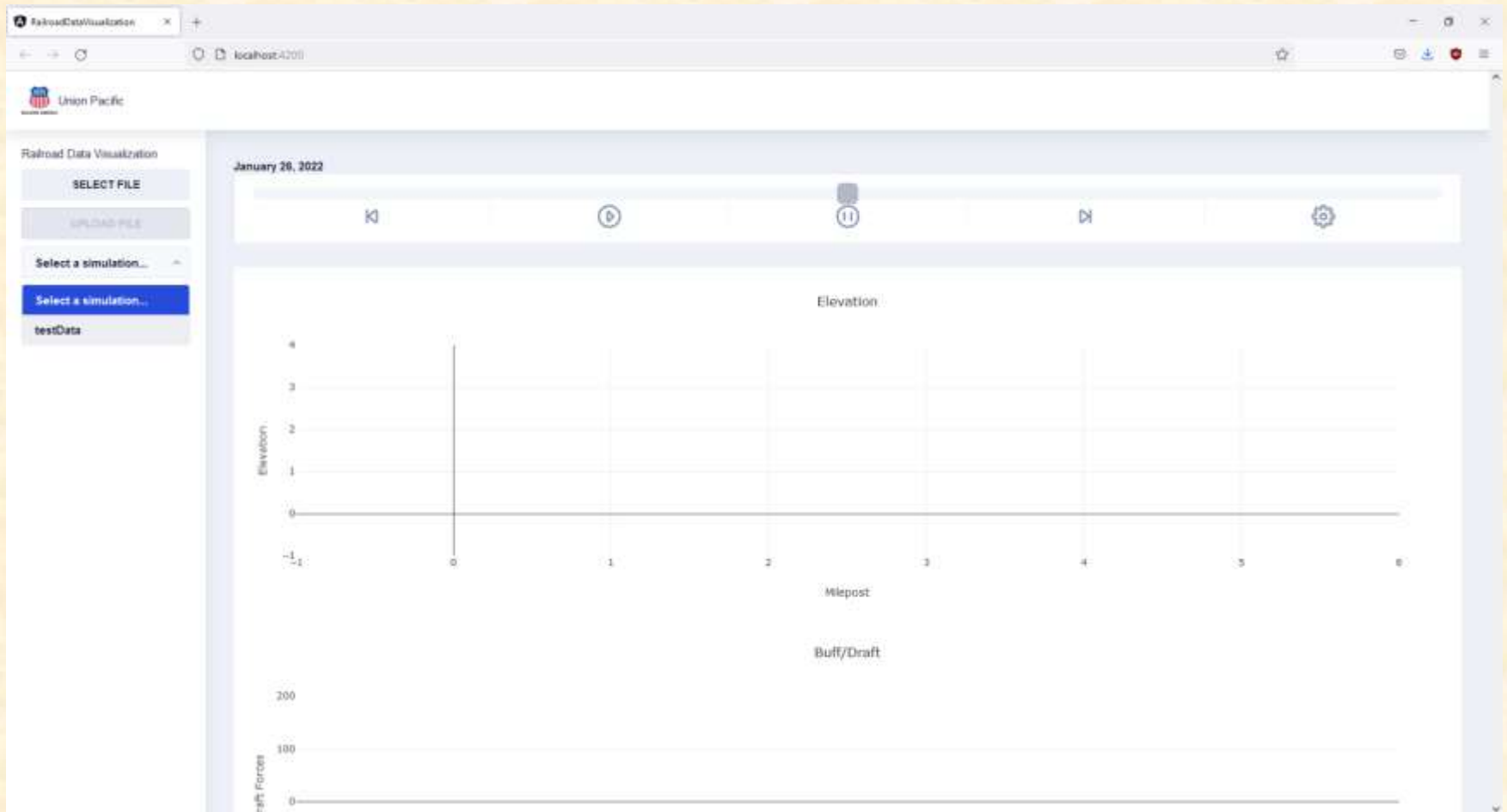
System Architecture



Before Data Selection



Dataset Selection



After Data Selection



Animation Playing



What's left to do?

- Finish new file upload
- L/V force graph and toggle button
- Playback speed option
- Updating dropdown with available datasets
- Front end query for specified dataset



Questions?

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