MICHIGAN STATE UNIVERSITY

Alpha Presentation
Dynamic Visualization of Architecture Diagrams

The Capstone Experience

Team Stryker

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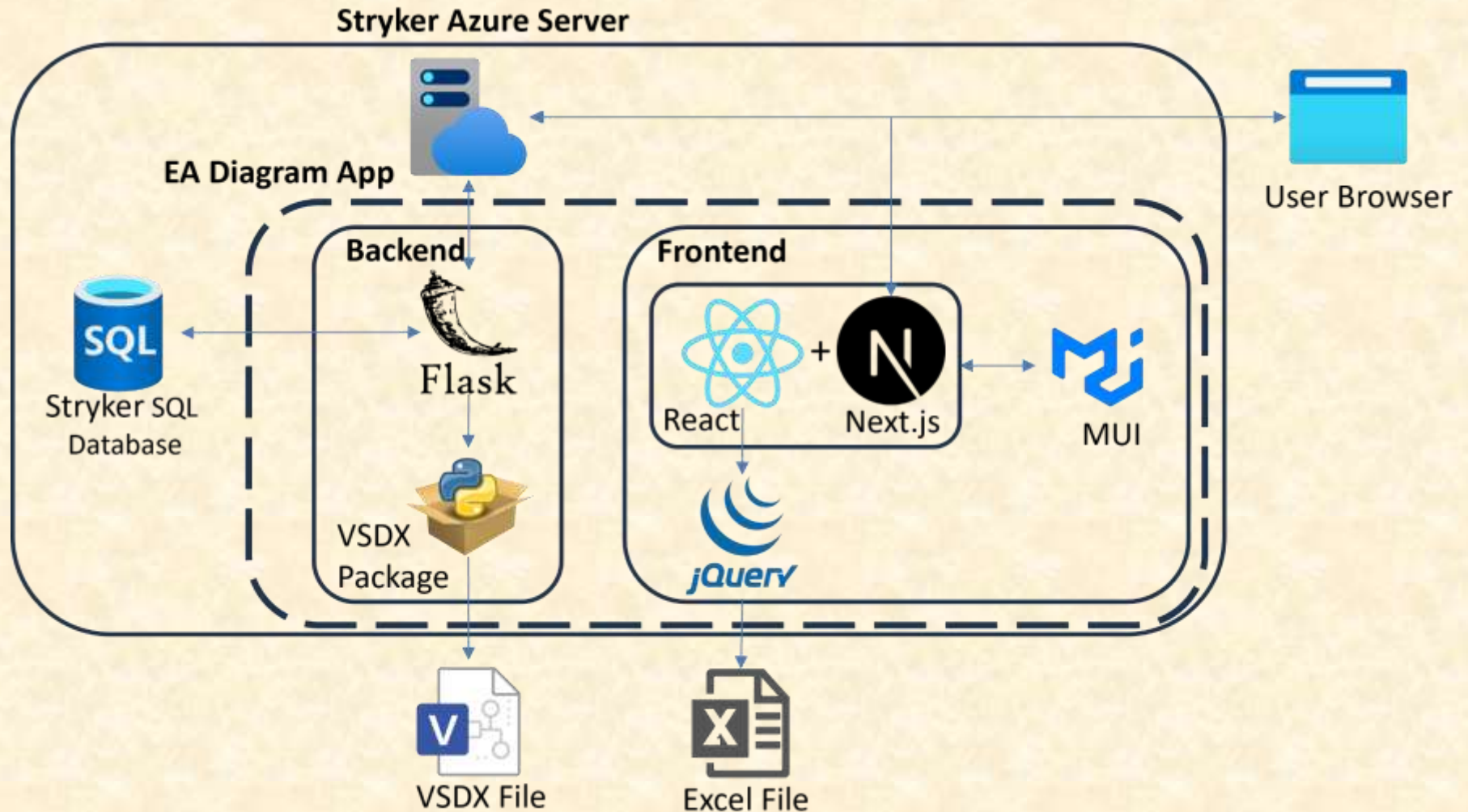Michigan State University

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Project Overview

- Current architecture diagrams are done solely by hand by Stryker CoE architects.

- Diagrams can be extremely complex.

- Generate an optimized and functional diagram.

- Search results and options help build the architecture diagram.

- Workers will be able to save lots of time and mistakes are mitigated.

System Architecture

Category Search Page

Template Creator Page

Team Stryker Alpha Presentation
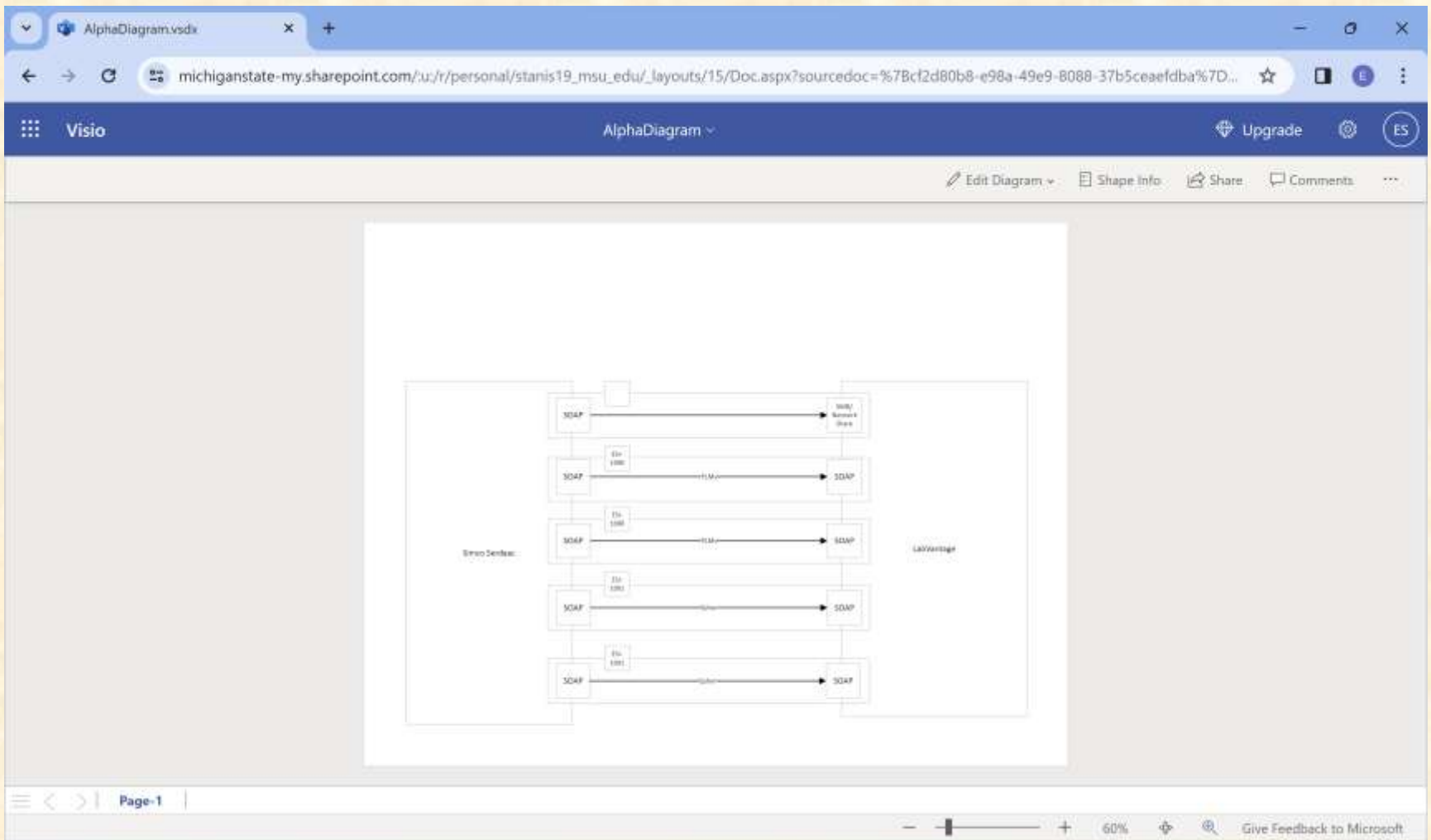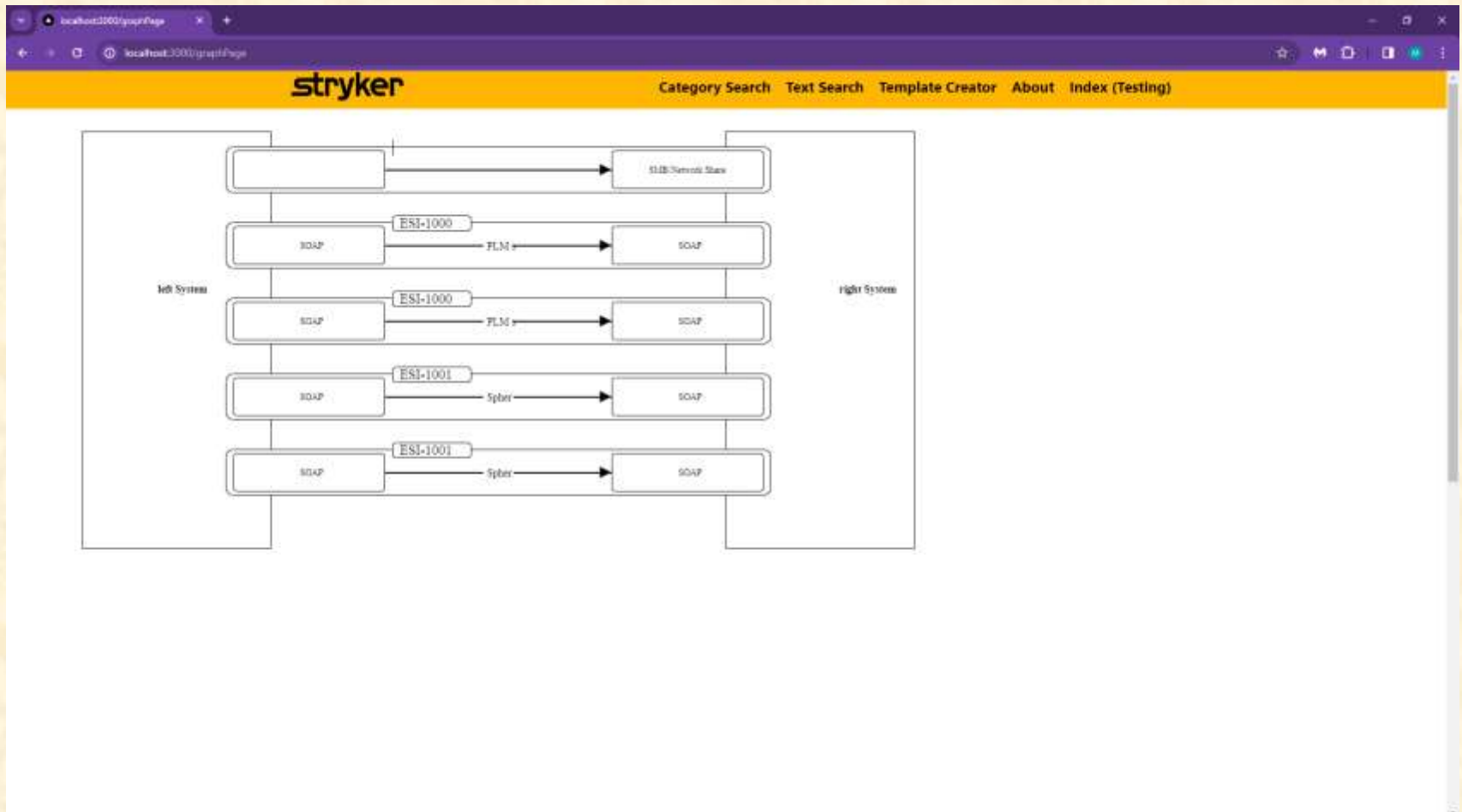
Back End Architecture Diagram

Front End Architecture Diagram

What's left to do?

- Complete graph drawing algorithm to minimize the edge crossings and refine layout.

- Fix arrow drawings to accurately represent the database information.

- Implement options for users to view boxes/numbers or not.

- Refine edge routing paths.

Questions?