MICHIGAN STATE UNIVERSITY Beta Presentation Dynamic Visualization of Architecture Diagrams The Capstone Experience

Team Stryker

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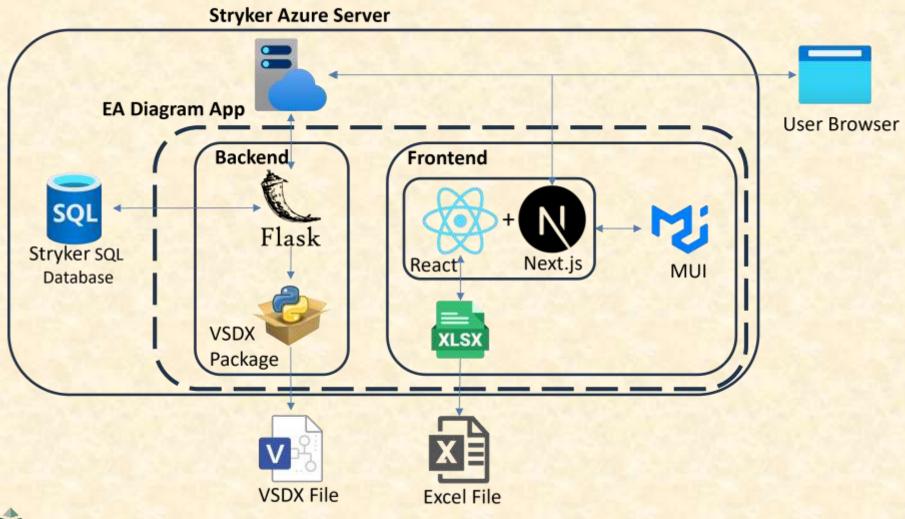
Department of Computer Science and Engineering Michigan State University Spring 2024

From Students... ...to Professionals

Project Overview

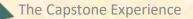
- Current architecture diagrams are done solely by hand by Stryker CoE architects, employees will be able to save time and mitigate mistakes.
- Diagrams can be extremely complex.
- Generate an optimized and functional diagram.
- Search results and options help build the architecture diagram.
- Value provided: 60 hours of time and around \$7,000 per month in savings to the business.

System Architecture



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The Capstone Experience

What's left to do?

- Features
- Stretch Goals
 - Integration line elbows (90 degree turns rather than diagonal)
- Other Tasks
 - Deploy to Stryker's Azure platform
 - Clean up unused functions/code
 - Testing edge cases
 - UI refinement
 - Download Visio Diagram button bug

Questions?

