MICHIGAN STATE UNIVERSITY

Beta Presentation Audit Automation Tool

The Capstone Experience

United Airlines Quality Assurance

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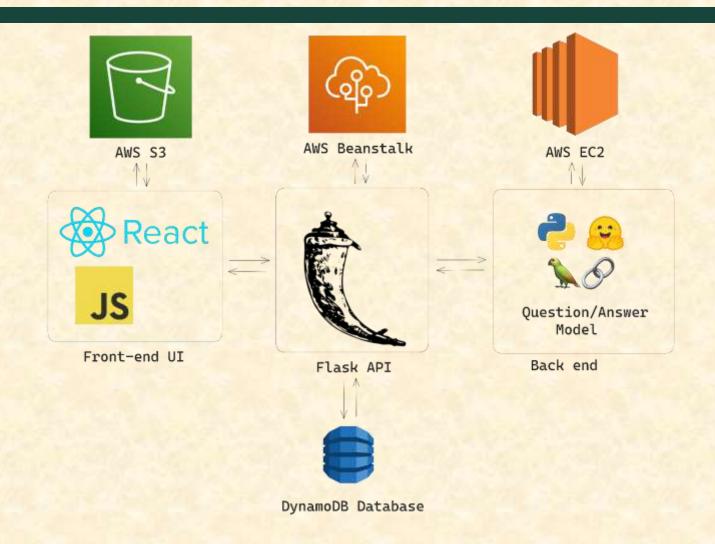
Fall 2023



Project Overview

- Leverage AI to make auditing process automated for United Airlines, one of America's foremost airlines
- By creating a web application to compare FAA and United Airlines regulations to vendor servicing manuals
- Showcase missing standards not found in the vendor manuals to streamline auditing process – reducing manpower required for auditing as well as the elongated auditing process time – bringing capacity back to the team

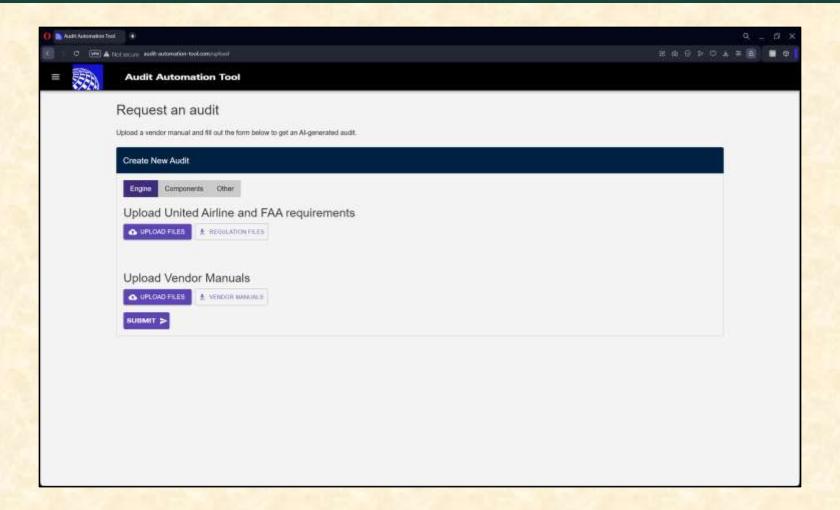
System Architecture



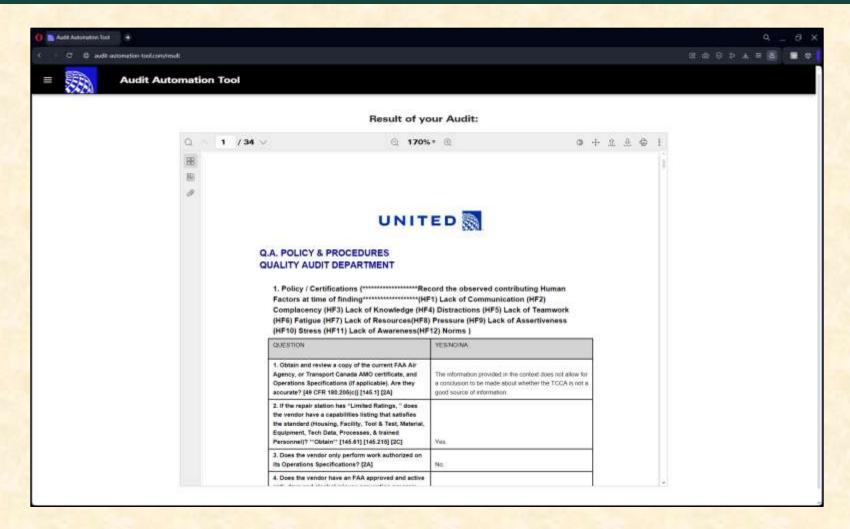
Home Page



Upload Page

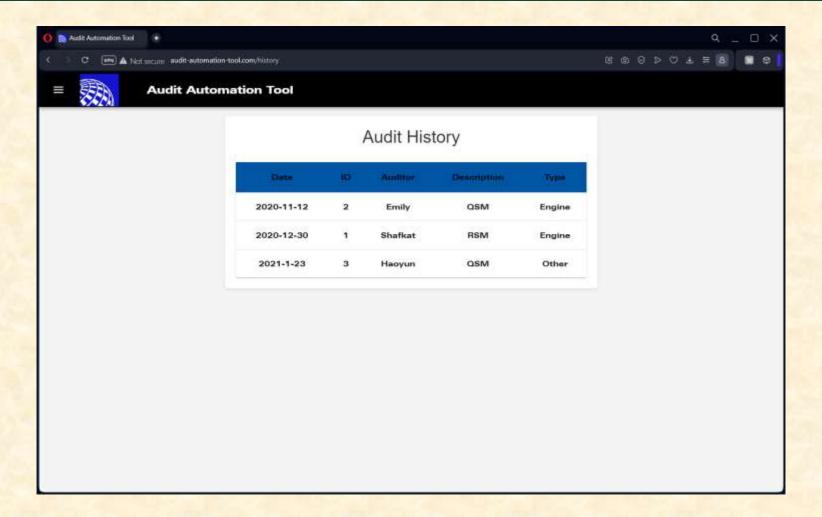


Results Page





History Page



What's left to do?

- Features
- Stretch Goals
 - Intermediary page
 - Chatbot
- Other Tasks
 - Improve accuracy
 - Improve efficiency

Questions?

