#### MICHIGAN STATE UNIVERSITY

# Alpha Presentation Audit Automation Tool

The Capstone Experience

Team United Airlines Quality Assurance

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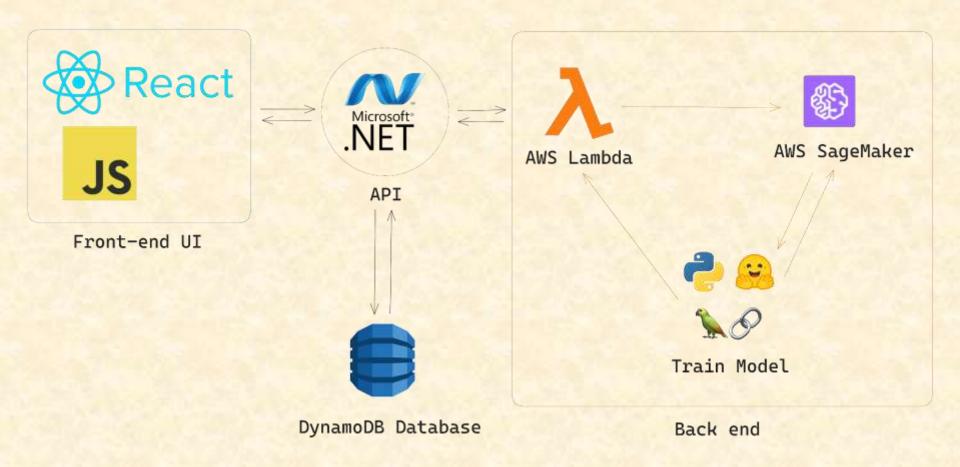
Fall 2023



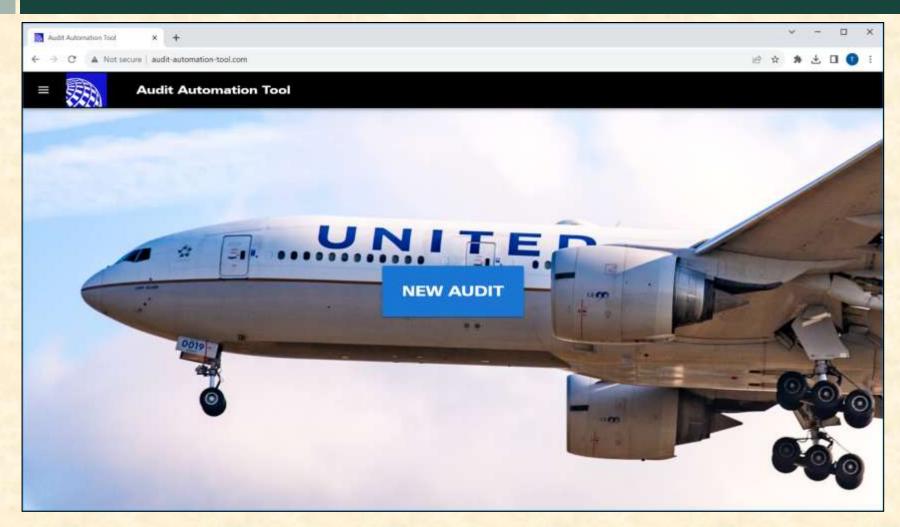
#### **Project Overview**

- Leverage AI to make auditing process automated for United 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

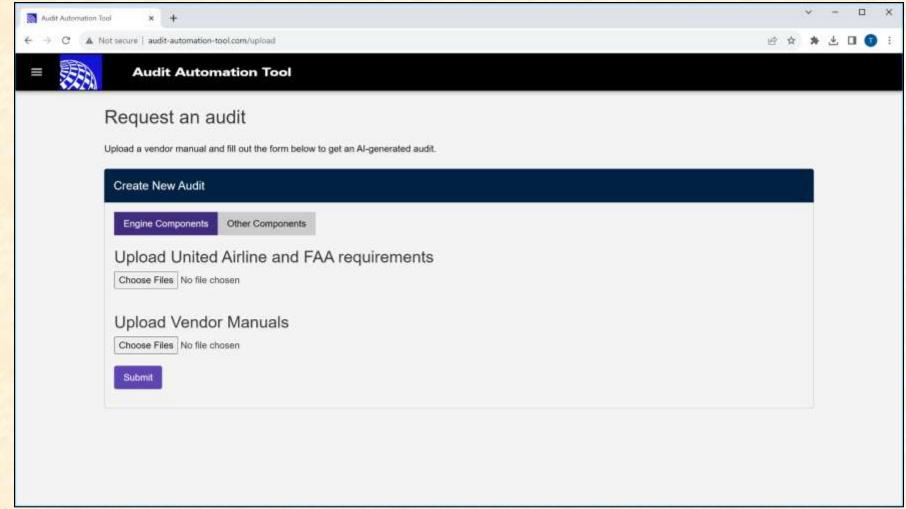
### System Architecture



# Home Page



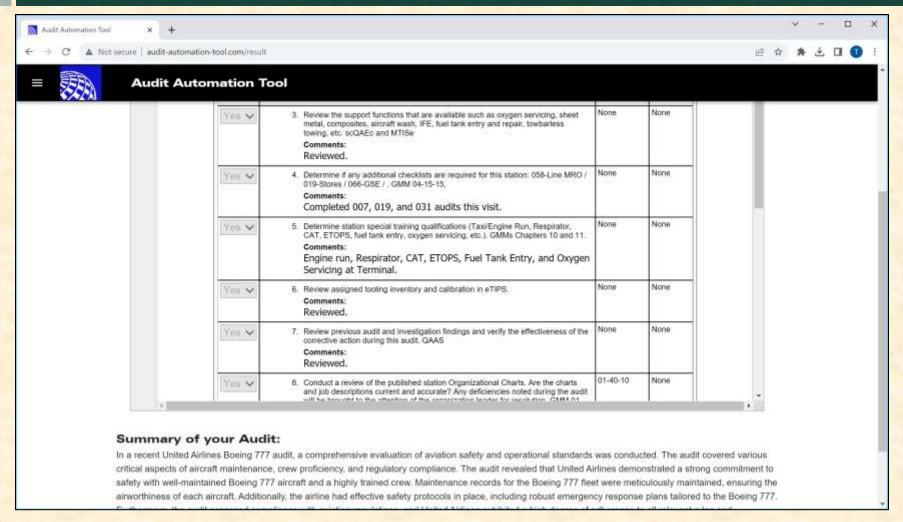
# **Upload Page**





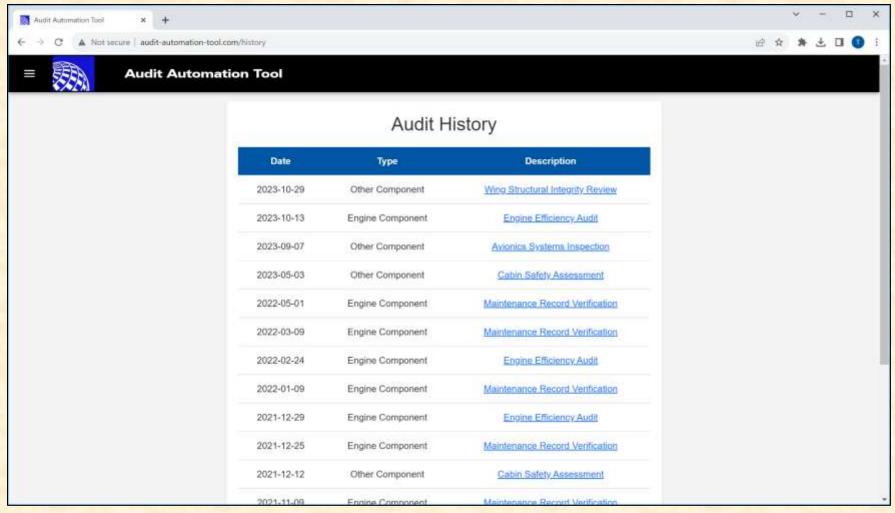
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#### Results Page



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### **History Page**



#### What's left to do?

- Basic Log-in Page
- Capability to upload multiple checklist files
- Use results to auto-complete checklist pdf
- Make model more accurate
- Increase efficiency of generating results

#### Questions?

