MICHIGAN STATE UNIVERSITY

Alpha Presentation Audit Management System

The Capstone Experience

Team United Airlines Quality Assurance

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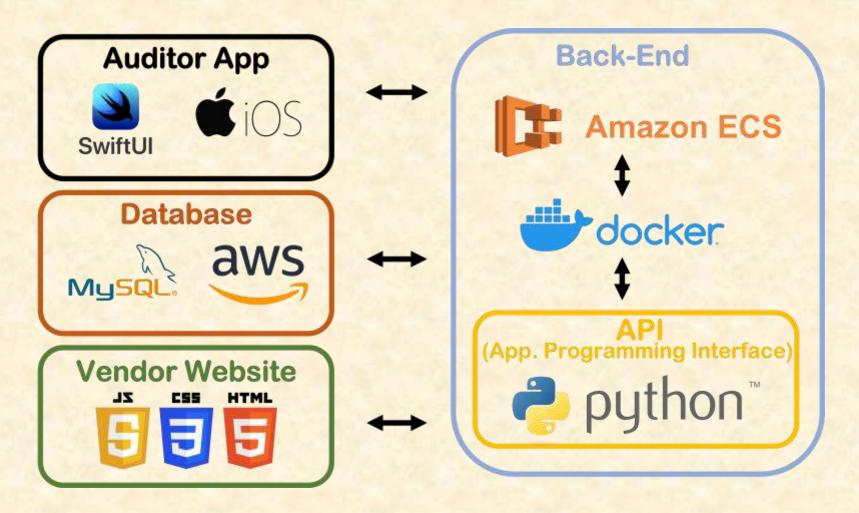
Fall 2022



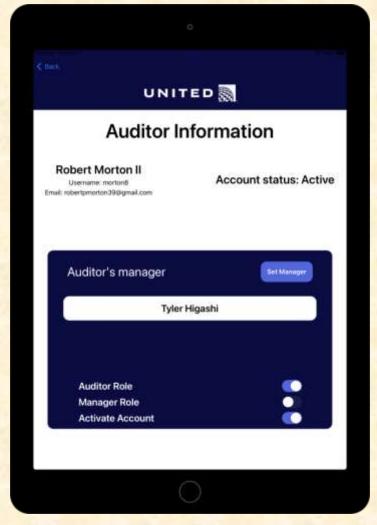
Project Overview

- Assist United Airlines to audit the companies that maintain and repair its airplanes more efficiently
- iOS App
 - Improvements on last semester's iOS app capabilities
 - Created new roles
- Website
 - Vendors of United Airlines can respond to audits
 - United Airlines admins can monitor / review audits

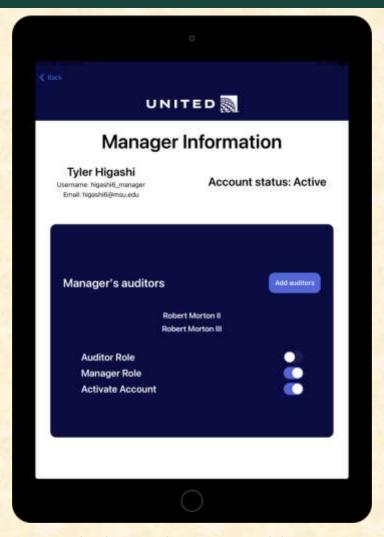
System Architecture



Admin view of an auditor



Admin view of a manager



Checklist

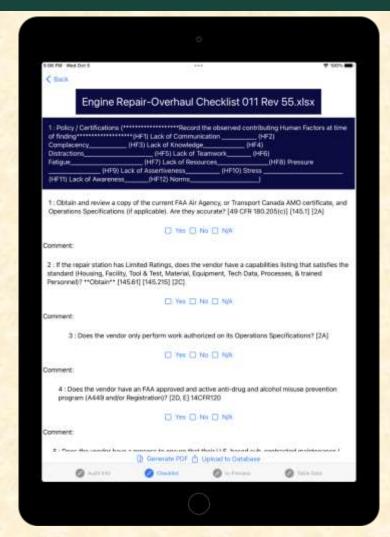


Table Data - "In Process" Sheets

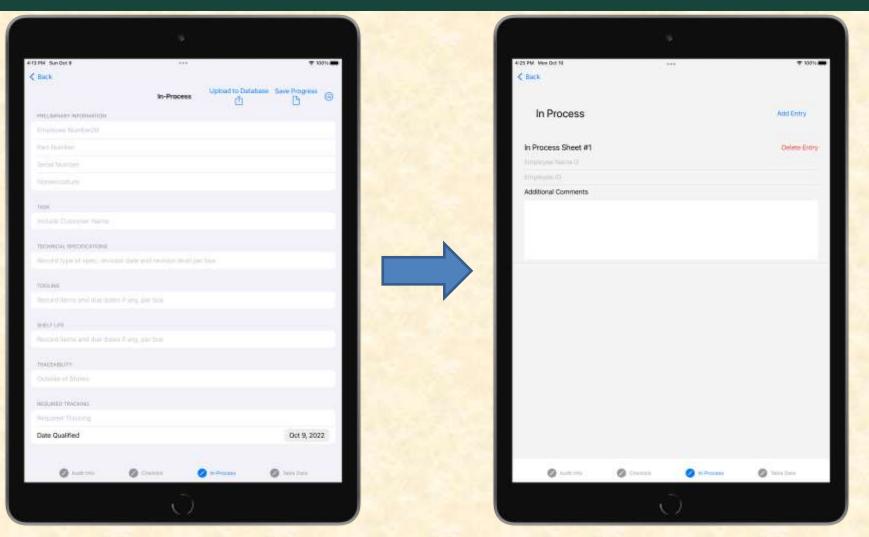
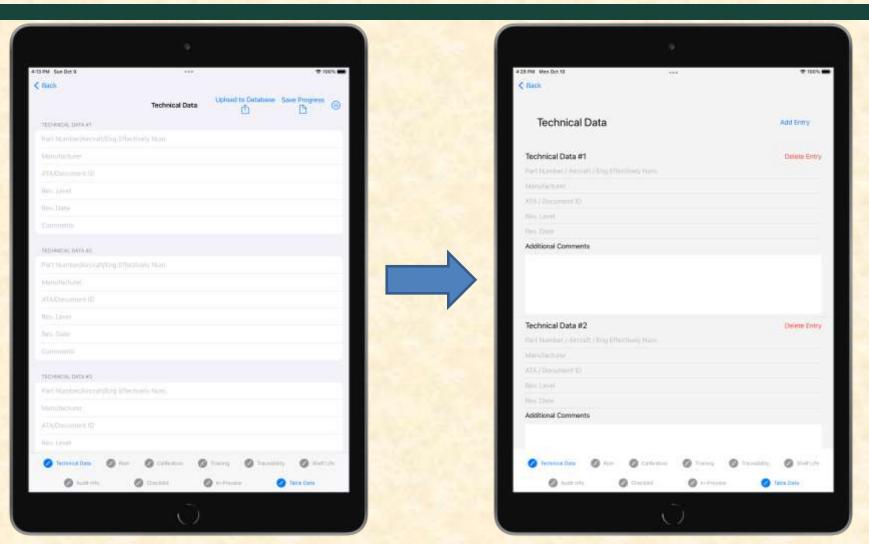


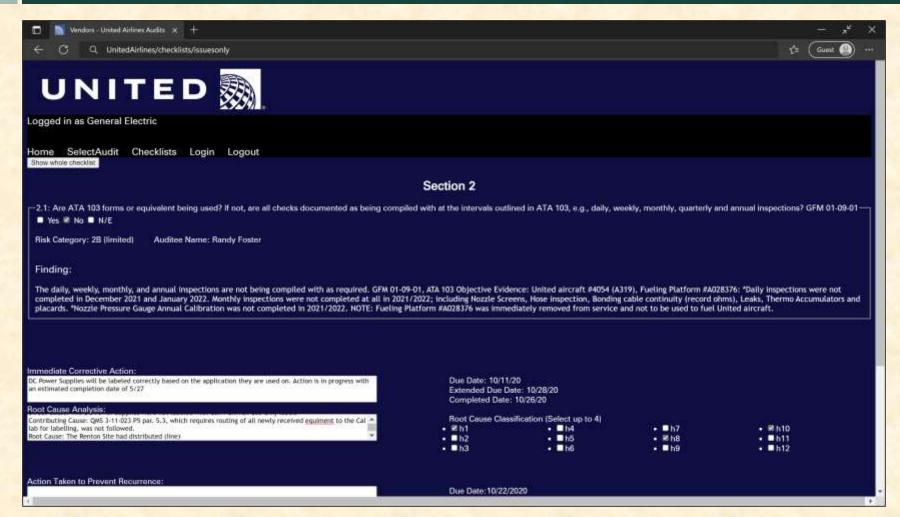


Table Data — Technical Data





Vendor Website





What's left to do?

AWS EC2 Secure Connection

• iOS App:

- All views need to be synced after admin change roles or the account status of users
- Store data locally on the iPad in addition to the cloud
- Fix cached views on Table Data not updating when mutated

• Website:

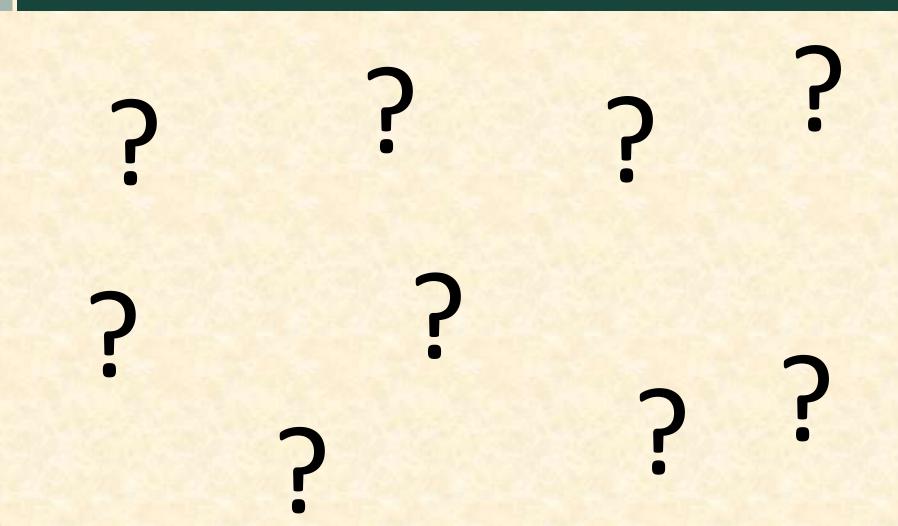
- Vendors responding to issue findings on the website
- Add ability for United Admins to create audits via website

Admins:

- Ability to view audits on the website
- Ability to assign audits on iOS app



Questions?



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