MICHIGAN STATE UNIVERSITY

Beta Presentation QA Audit Center

The Capstone Experience

Team United Airlines Quality Assurance

Anika Patel Elizabeth Stevens Adeboye Adegbenro Jr. Xuefeng Sun

Department of Computer Science and Engineering Michigan State University

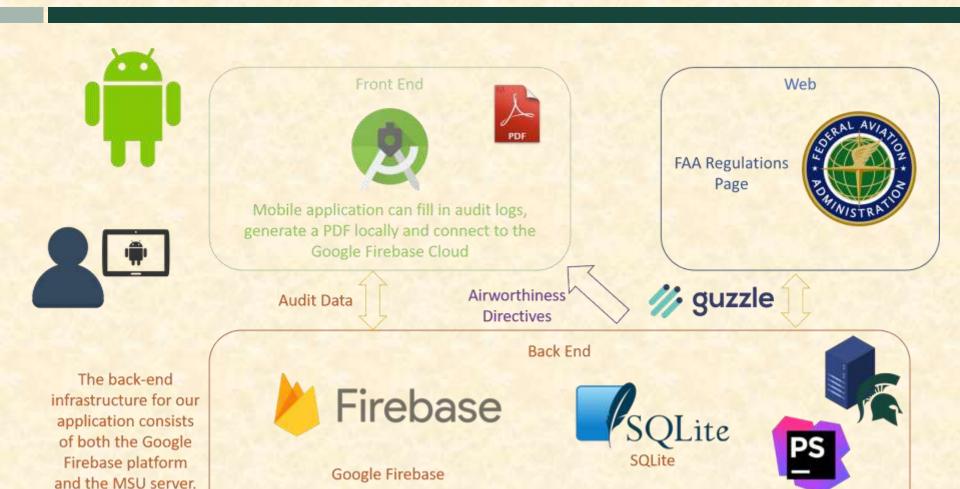
Fall 2021



Project Overview

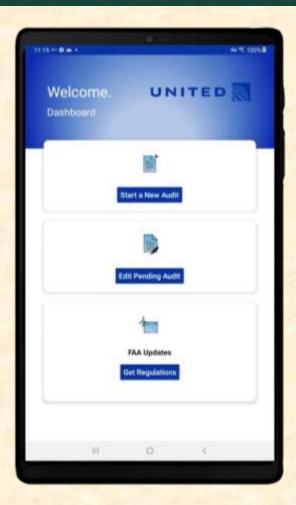
- Auditors will be able to maintain optimal business operations by conducting audit reports and completing checklists on the application
- Application will make reports easily accessible
- United Airlines Compliance Team will be able ensure audits conform to the Federal Aviation Association (FAA) regulations and policies

System Architecture



PhpStorm

Dashboard



Audit In-Process Sheet

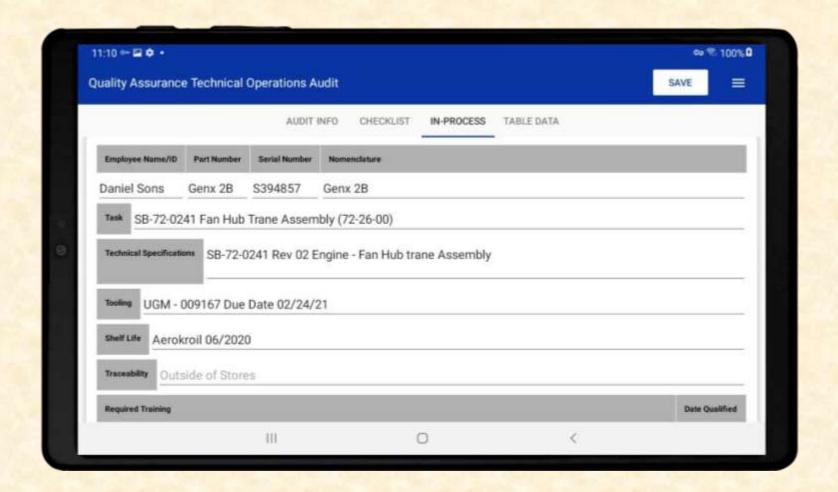
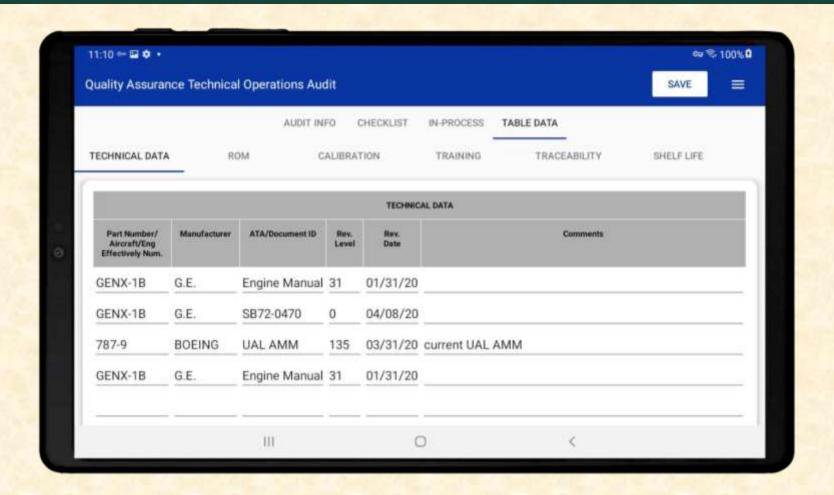
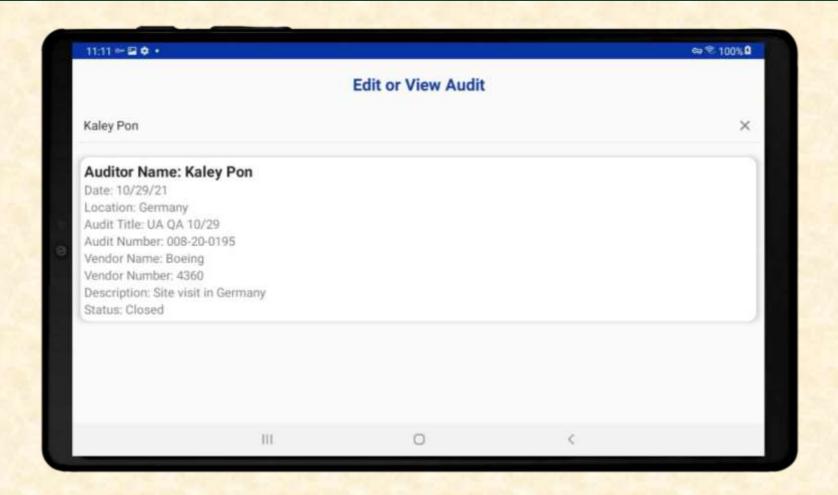


Table Data



Search for a Pending Audit



What's left to do?

Stretch Goals

- Expand web scraping to include more regulation documents
- Allow auditors to add custom checklists using Excel documents on the mobile
- Take a photo within the application
- Other Tasks
 - Add comments to checklist entries
 - Refine UI of mobile app and regulation website
 - Refine formatting of audit log PDF document
 - Optimize speed for loading and saving to the database

Questions?

