MICHIGAN STATE UNIVERSITY

Beta Presentation Next Gen Smart Factory

The Capstone Experience

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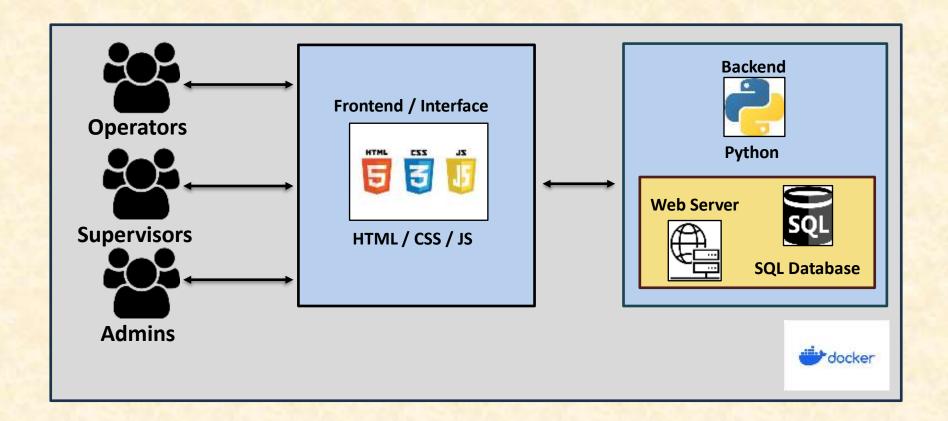
Spring 2024



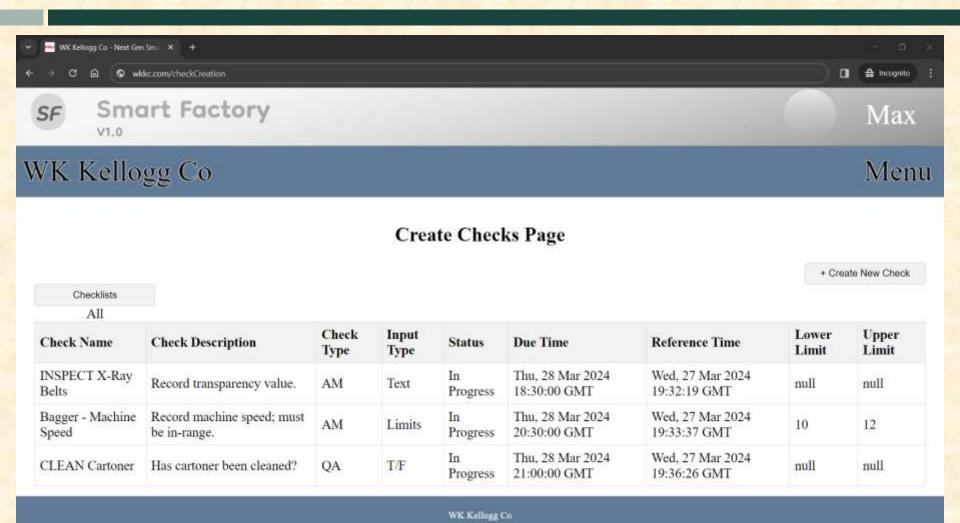
Project Overview

- Existing critical software is reaching end-of-life
- Organizes factory logistics
 - Allows administrators to create checklists for operators
 - Allows operators to complete checks
 - Stores all checklists and completed check data
 - Allows administrators to visualize the data

System Architecture

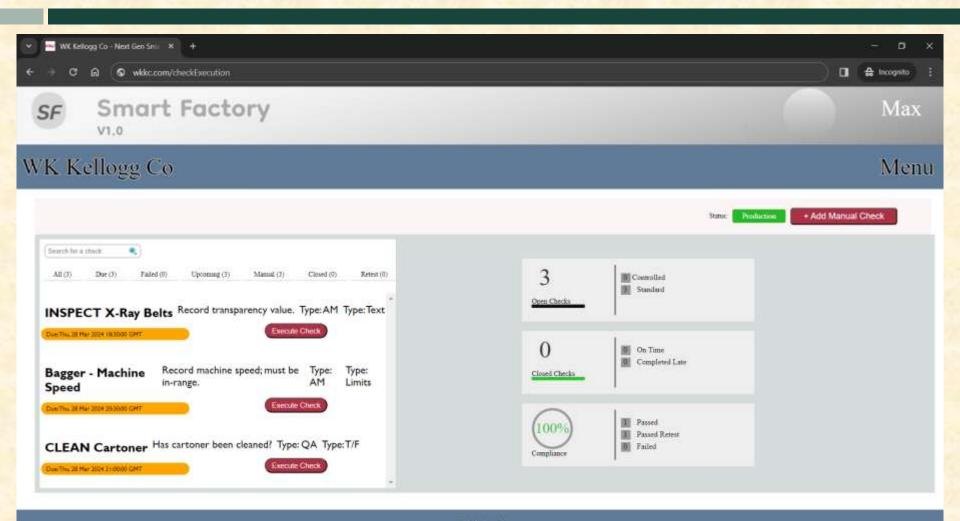


Check Creation

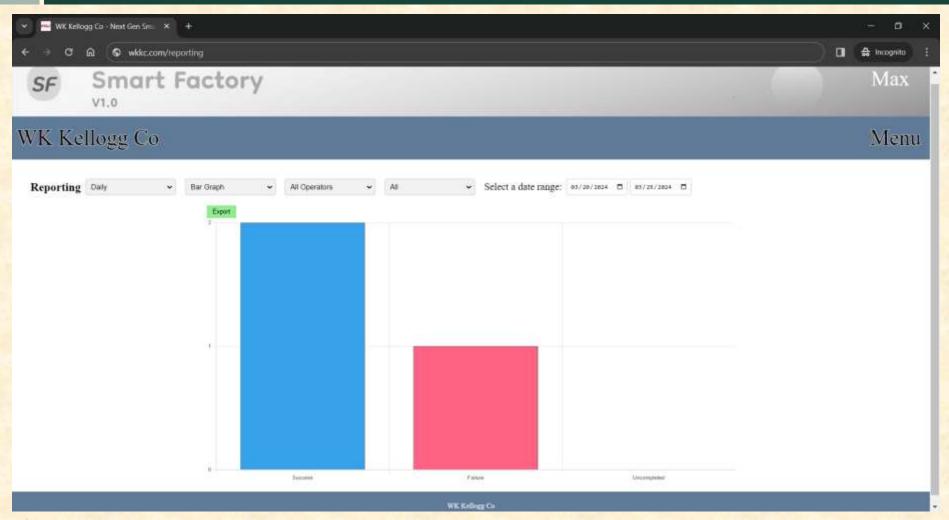




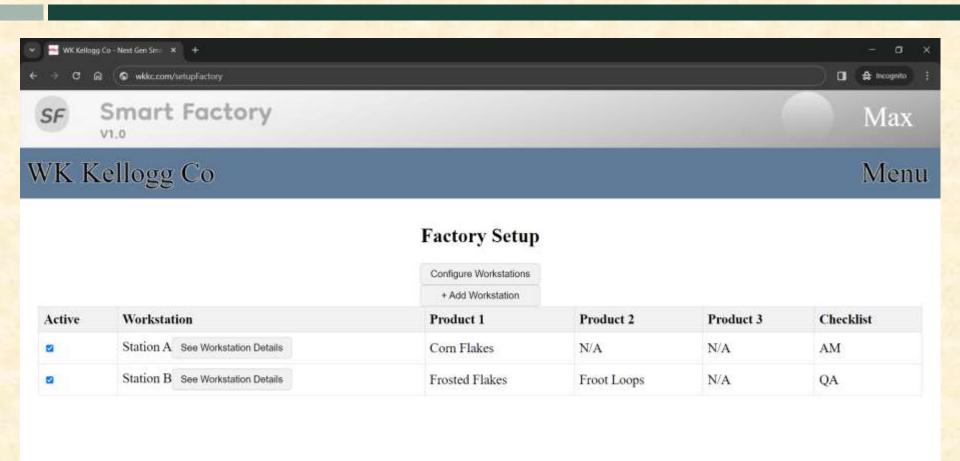
Check Execution



Reporting

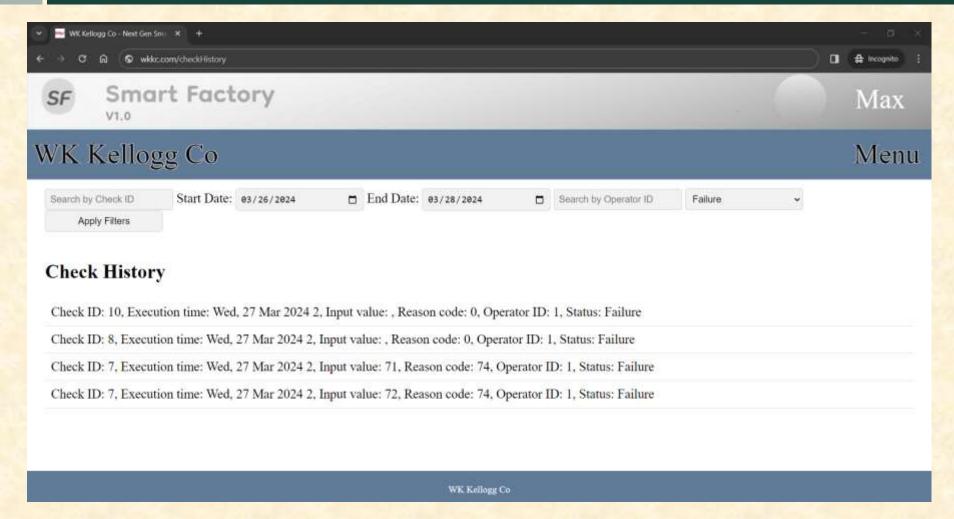


Factory Setup



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Check History





What's left to do?

- Features
- Stretch Goals
 - Export Checks as CSV
 - Optimize Queries
- Other Tasks
 - UI Overhaul

Questions?

