MICHIGAN STATE
U N I V E R S I T Y

Alpha Presentation
Performance Scorecard Automation

The Capstone Experience

Team United Airlines Airport Operations

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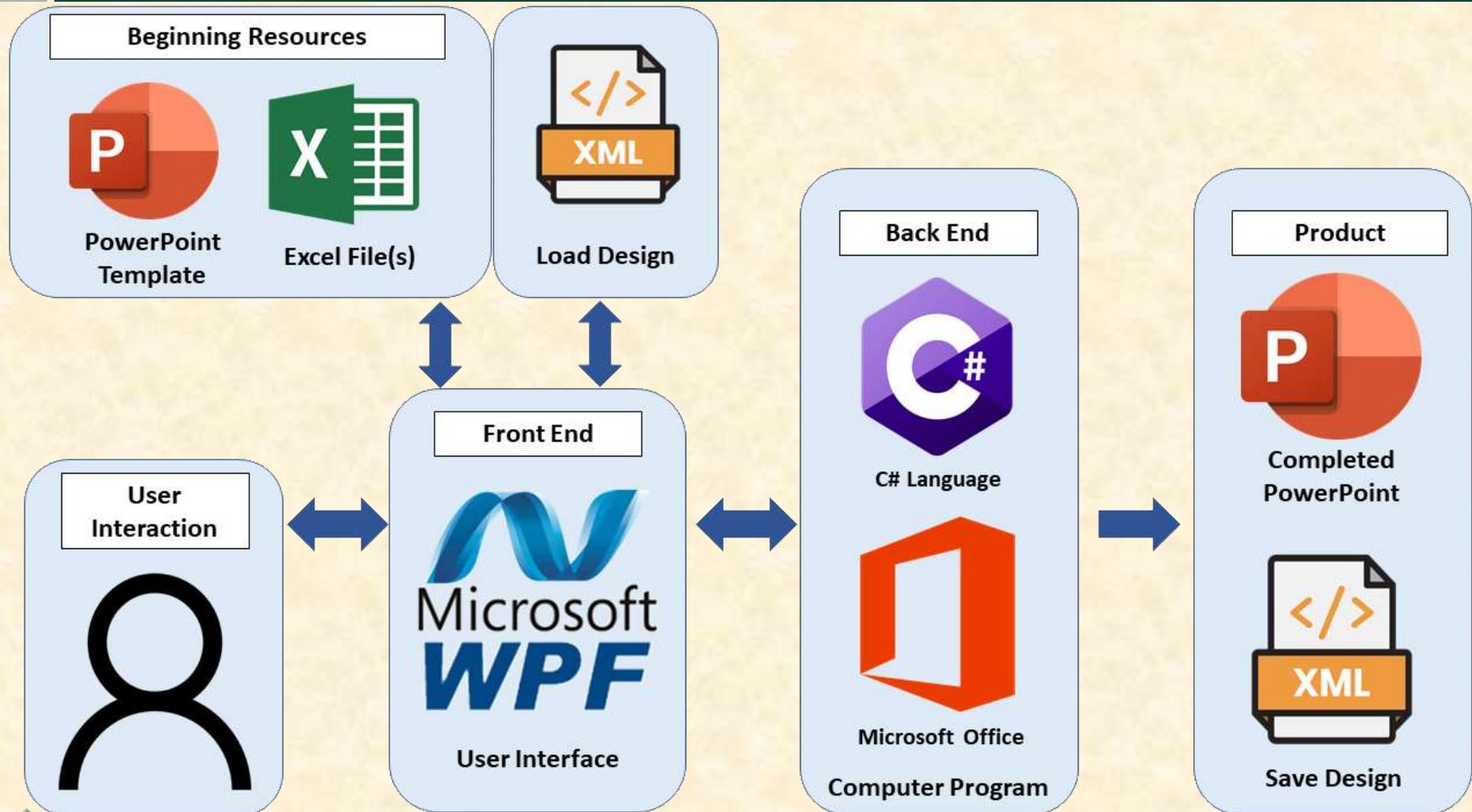Michigan State University

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From Students…
…to Professionals

Project Overview

- Safety scorecards are time consuming to create and can have human error
- Will automate scorecards to prevent this
- Users enter data sheets, a PowerPoint template, and create a design to format their scorecard
- System automatically generates a scorecard using the selected data and the user's design
- Allow a user's design to be reused with future data files to generate future scorecards with no effort from the user

System Architecture

Menu Screen

Shape Content Screen

Addition Screen

Design Shape List

What's left to do?

- Implement Graph data saving and loading
- Create Graphs using PowerPoint with loaded data
- Implement Comparison Data saving and loading
- Affect colors on PowerPoint with Comparison Data
- Implement allowing the user to click on a PowerPoint shape and Excel cell to select data

Questions?