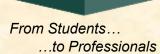
#### **MICHIGAN STATE** UNIVERSITY **Beta Presentation Performance Scorecard Automation** The Capstone Experience **Team United Airlines Airport Operations** Noah Little **Danny Lee Griffin Klevering** Cynthia Trocinski **Guanzhang Zheng**

Department of Computer Science and Engineering Michigan State University

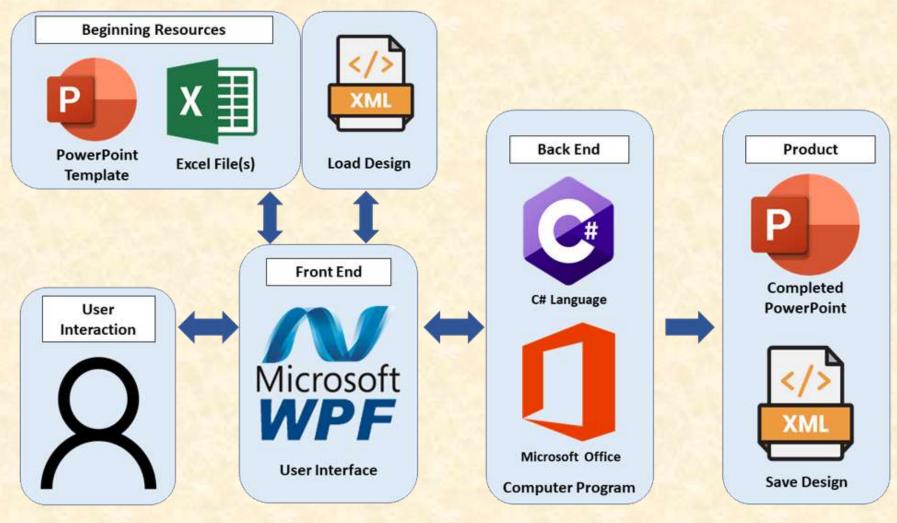
Spring 2022



### **Project Overview**

- Safety scorecards are time consuming to create and can have human error
- Will automate scorecards to prevent this
- Users enter a data sheet, 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

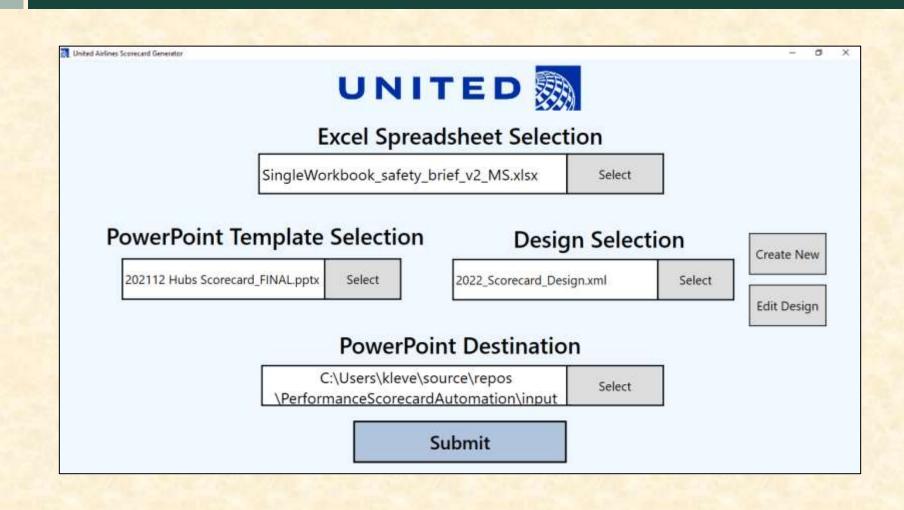
# System Architecture



The Capstone Experience

Team United Airlines Airport Operations Beta Presentation

# Main Menu



# Design Menu

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## **Content Menu**

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FO	Column Header:	DEN
FO	Data Search Range:	A1:K20
FO	Worksheet:	Damages
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# **Additional Content Menu**

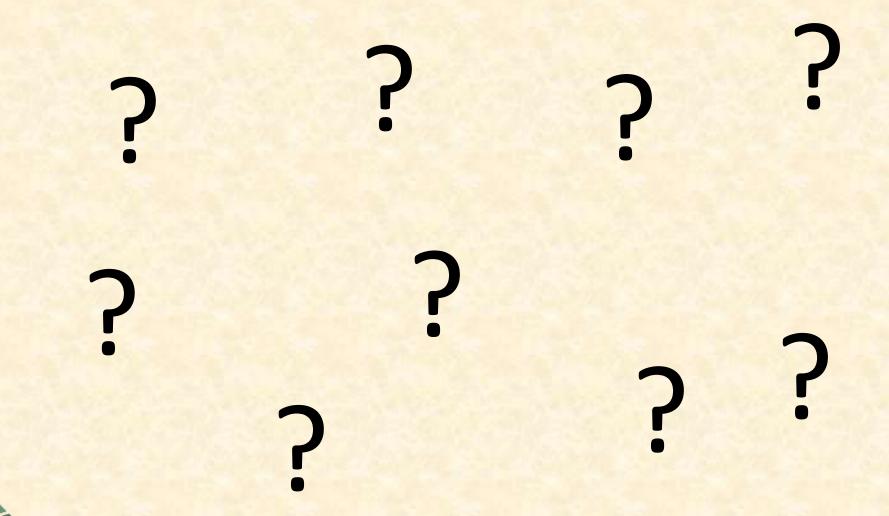
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## What's left to do?

- Stretch Goals
  - Shape click-to-select
  - Shorten worksheet names
  - Progress bar

- Other Tasks
  - Optimize shape insertion
  - Improve Excel/PowerPoint cleanup
  - Clean up code

### **Questions?**



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