Beta Presentation
Efficacy Report Generator
The Capstone Experience
Team United Airlines Training
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Fall 2022
Project Overview

• Ensure proper training of maintenance personnel
  ▪ Evaluate instructor performance
  ▪ Validate the effectiveness of the course

• Allow software to be adaptable to future courses
System Architecture

Resources

Main Code Base

Input Data Resources

Applications

Python Application

Excel Output Report

Development Environment

Platforms

TIBCO® Spotfire®

Power BI

End User
Main Page

[Image of United Airlines Maintenance Training Course Analyzer]

- B737 SAR
  - Generate Instructor Report
  - Generate Full Report

- B787 SAR
  - Generate Instructor Report
  - Generate Full Report
SharePoint Login Screen
Loading Screen

United Airlines
Maintenance Training Course Analyzer

Your report is currently being generated...

Loading the data

Cancel
Final Page

The report is ready to download.

- Course: B737 SAR
- Time to Generate Report: ~1 Minutes
- Date Range Included: All
- Instructor(s) Included: All

Options:
- Open Power BI in browser
- View Summary Graph
- Upload to SharePoint

Save as Excel or Spotfire Data File.
What’s left to do?

• Stretch Goals
  ▪ Add estimated time remaining to generate report

• Other Tasks
  ▪ Improve UI on smaller screens
  ▪ Bug fixes
Questions?