

MICHIGAN STATE
UNIVERSITY

Alpha Presentation Efficacy Report Generator

The Capstone Experience

Team United Airlines Training

Neha Challa

Rishika Juloori

Varuntej Kodandapuram

James Demetris

Morgan Stanczuk

Samuel Oviasu

Department of Computer Science and Engineering

Michigan State University



From Students...
...to Professionals

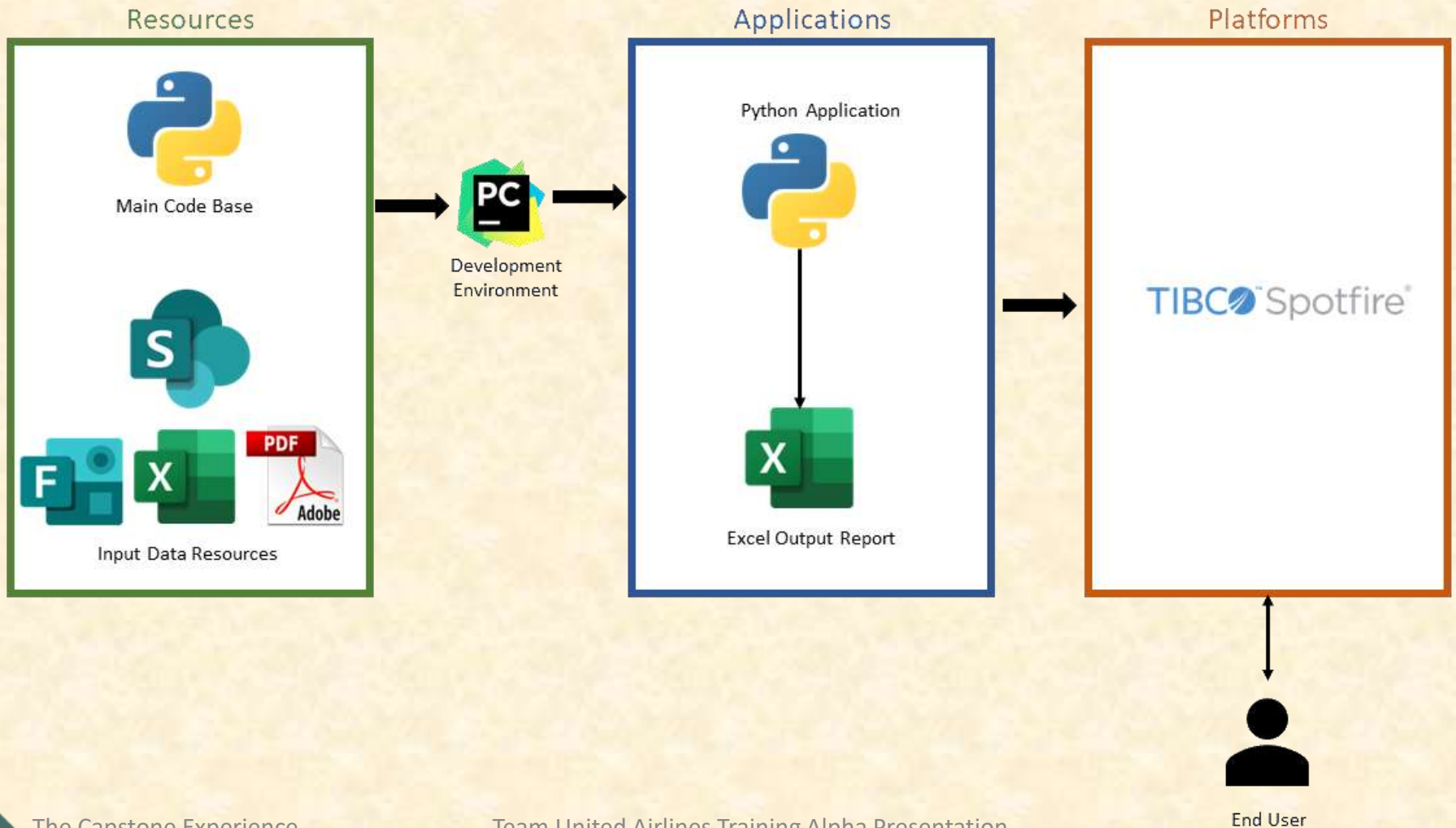
Fall 2022

Project Overview

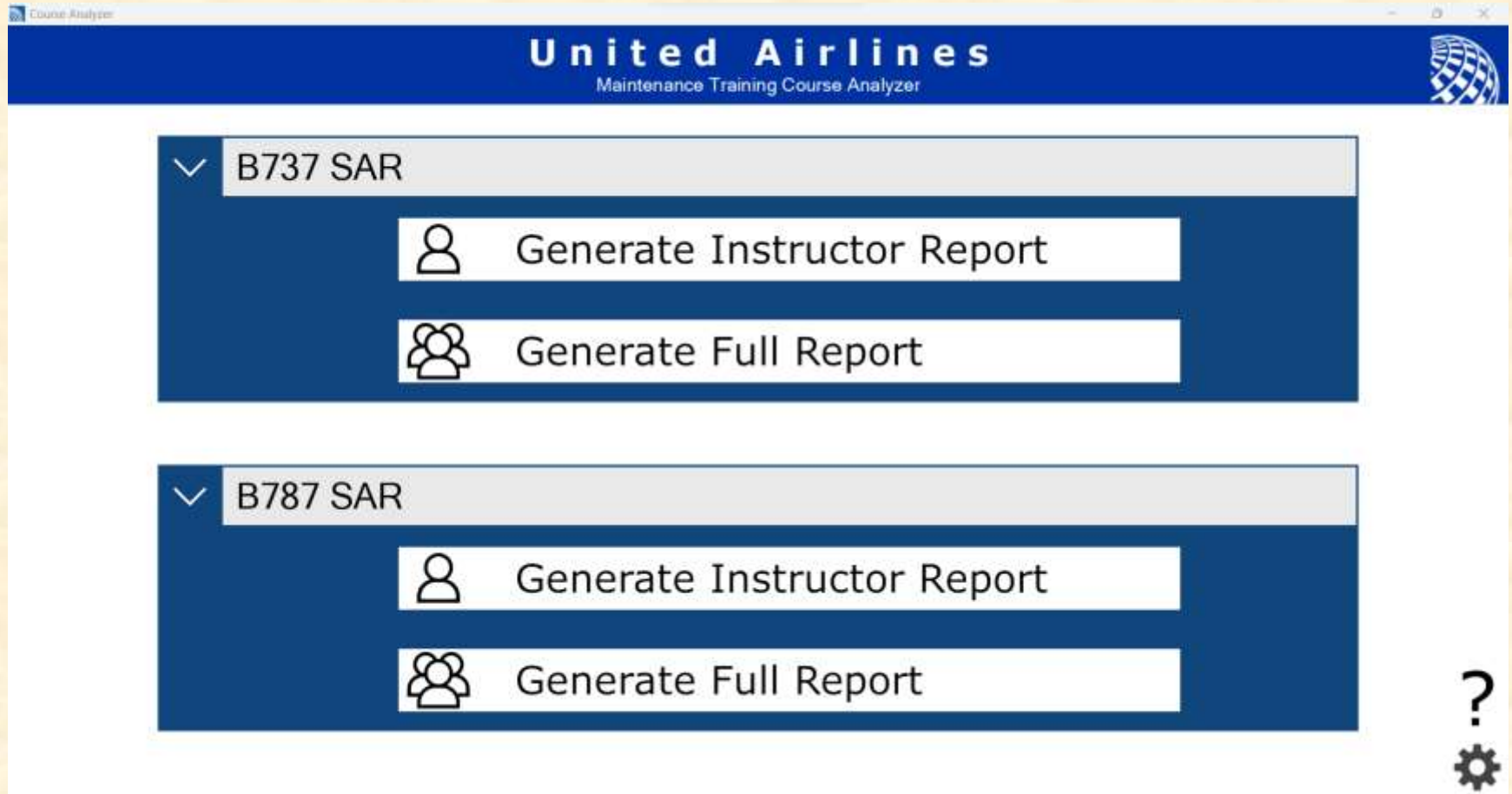
- Ensure proper training of maintenance personnel
 - Evaluate instructor performance
 - Validate the effectiveness of the course
- Allow software to be adaptable to future courses
- Provide reports in various formats



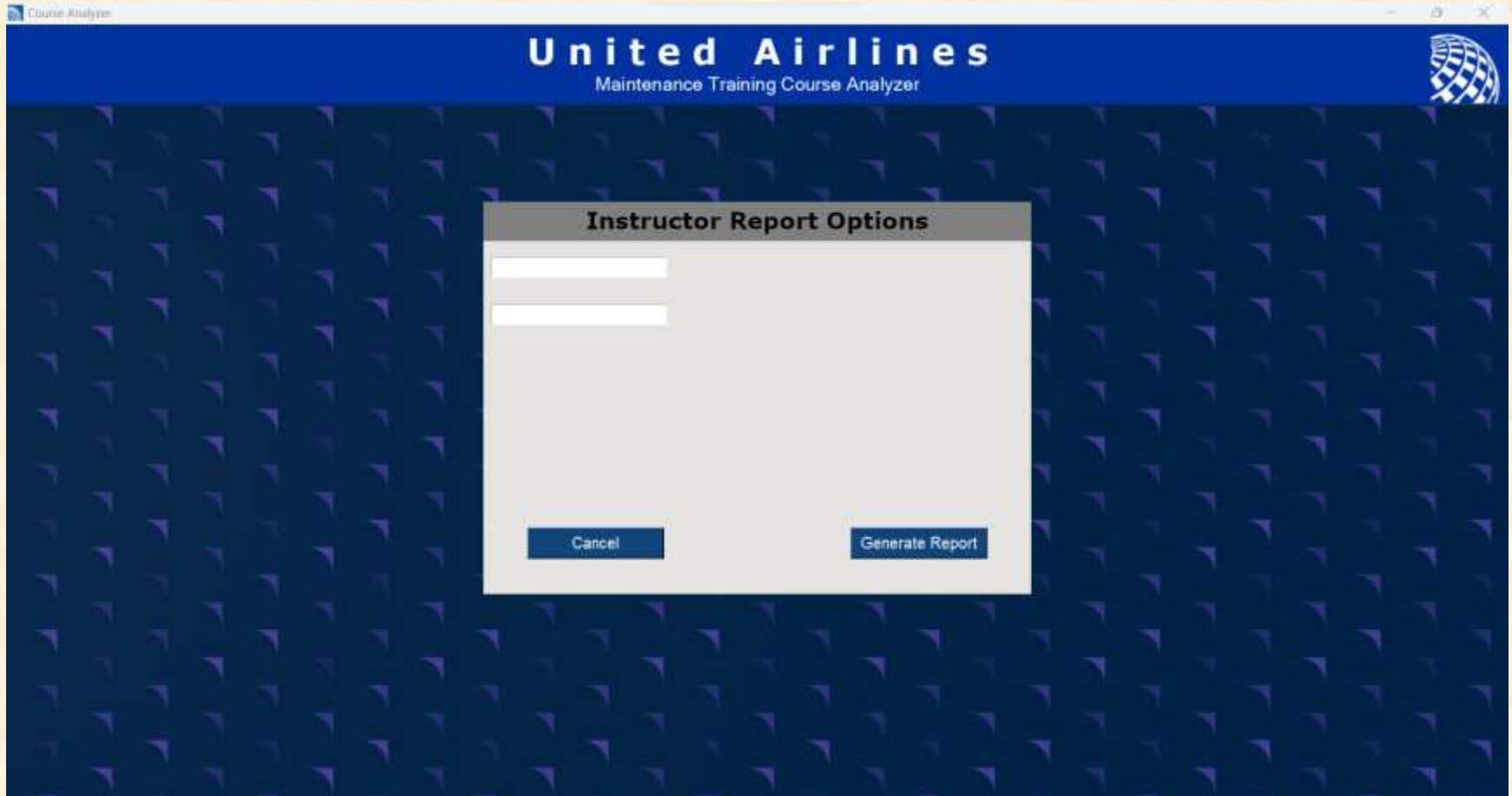
System Architecture



Main UI



Form Page



The screenshot displays a software window titled "Course Analyzer" with a blue header bar. The header bar contains the text "United Airlines" in large white letters, "Maintenance Training Course Analyzer" in smaller white letters, and the United Airlines globe logo on the right. The main background of the window is dark blue with a repeating pattern of small, light blue triangles. Centered on this background is a white dialog box titled "Instructor Report Options". Inside the dialog box, there are two empty white rectangular input fields stacked vertically. At the bottom of the dialog box, there are two buttons: "Cancel" on the left and "Generate Report" on the right.



Loading Page



Final Page

Course Analyzer

United Airlines

Maintenance Training Course Analyzer

Report Details

Time to Generate Report:
~1 Minutes
Date Range Included:
All
Instructor(s) Included:
John Doe

Your report is ready to download



[Open Spotfire in web browser -->](#)

Instructor-Report_Friday-October-07-2022_18:59:48

[Save as Excel](#) [Save as Spotfire Data File](#)

[Return to Main Page](#)



What's left to do?

- Spotfire & Python Integration
- Continuing evaluating course material to test and expand the full course algorithm
- Starting on the algorithm for Instructor reports



Questions?

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