MICHIGAN STATE UNIVERSITY

Alpha Presentation

Training Scheduling and Optimization System II

The Capstone Experience

Team United Airlines

Laura Danila
Andrew Ferguson
Josh Pezeshki
Jack Soenke

From Students…
…to Professionals

Department of Computer Science and Engineering
Michigan State University
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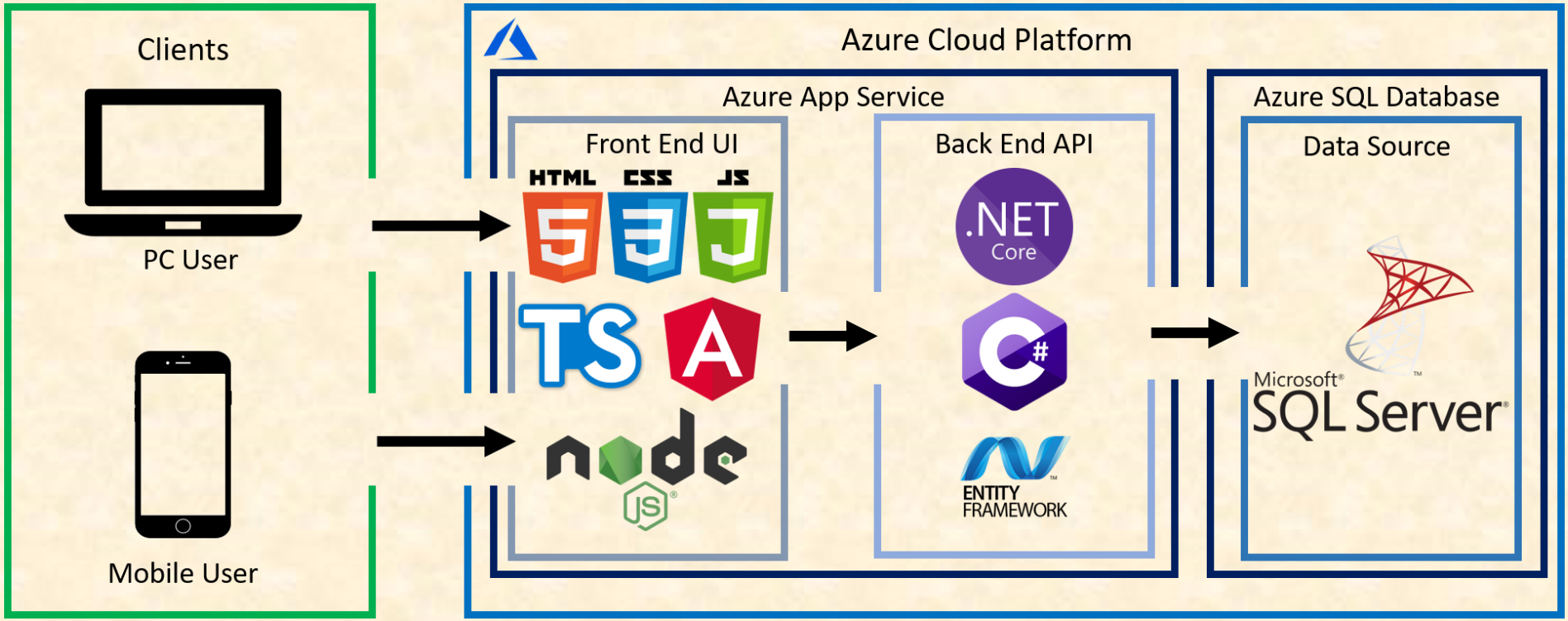
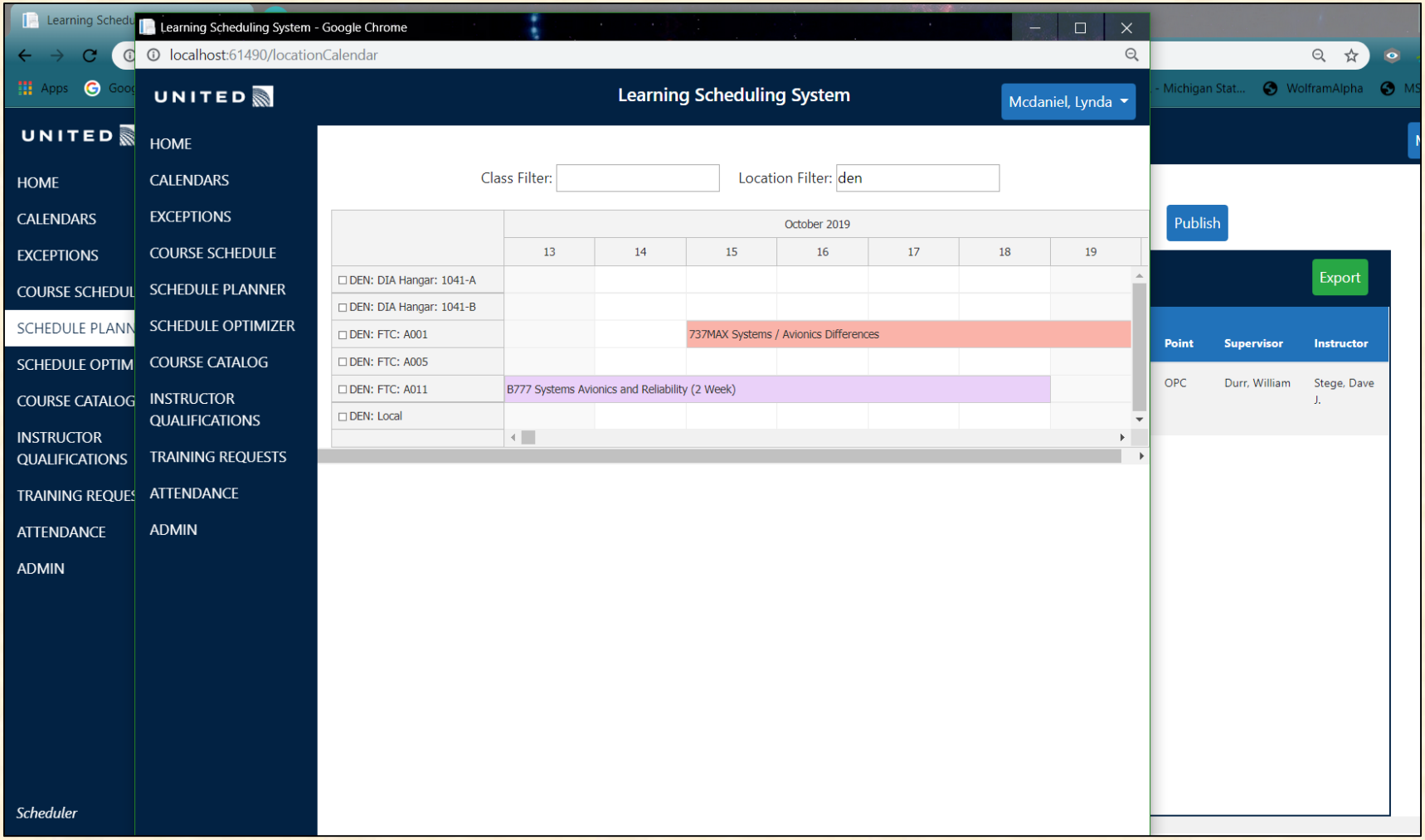
Project Overview

- Update and enhance the training scheduling system from the spring semester
- Make the web application responsive for mobile and tablet devices
- Implement an optimizer to recommend a schedule based off different priorities
- Expand the functionality of the application's calendars to include filtering, a course calendar, and more

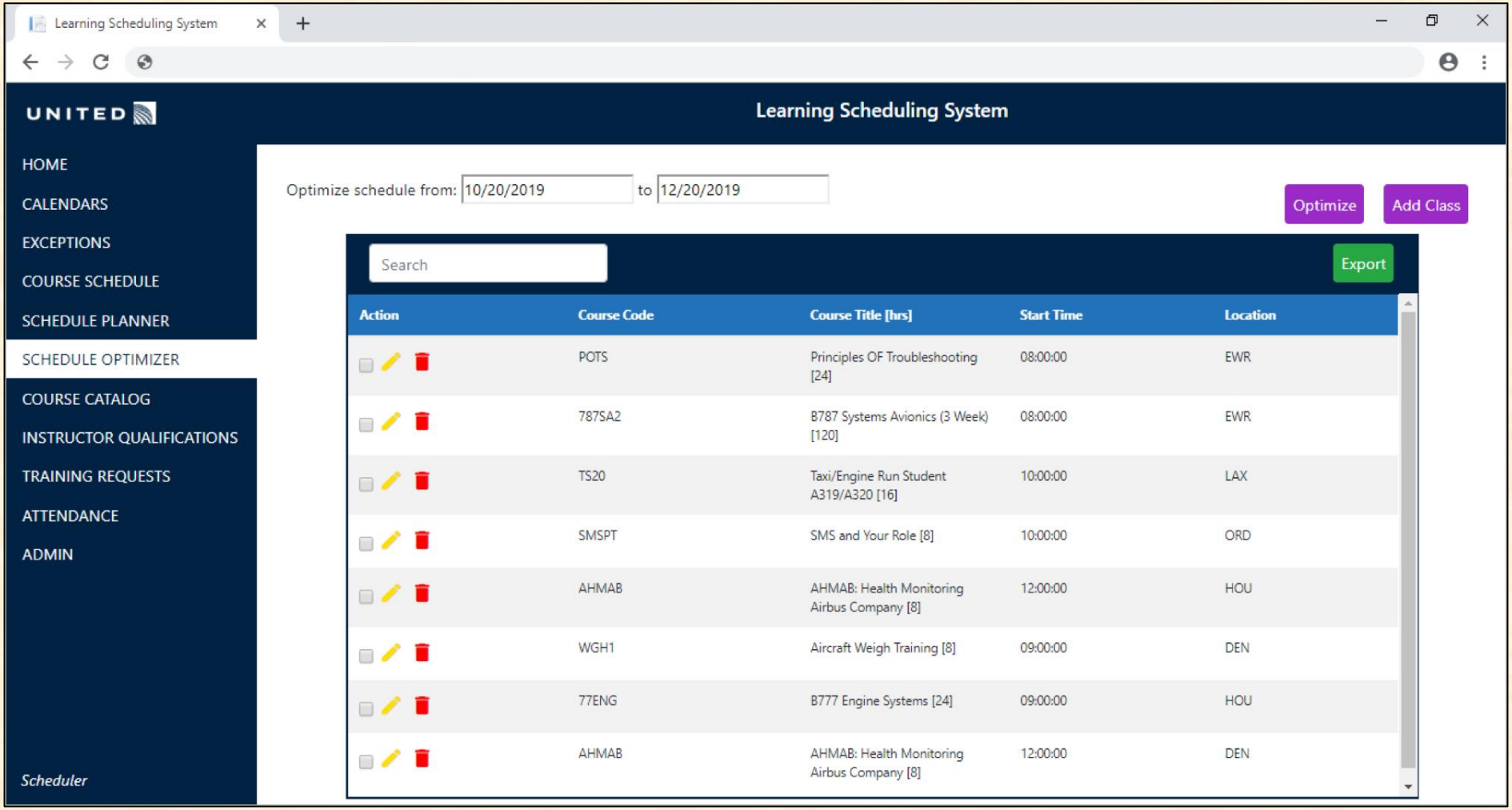
System Architecture



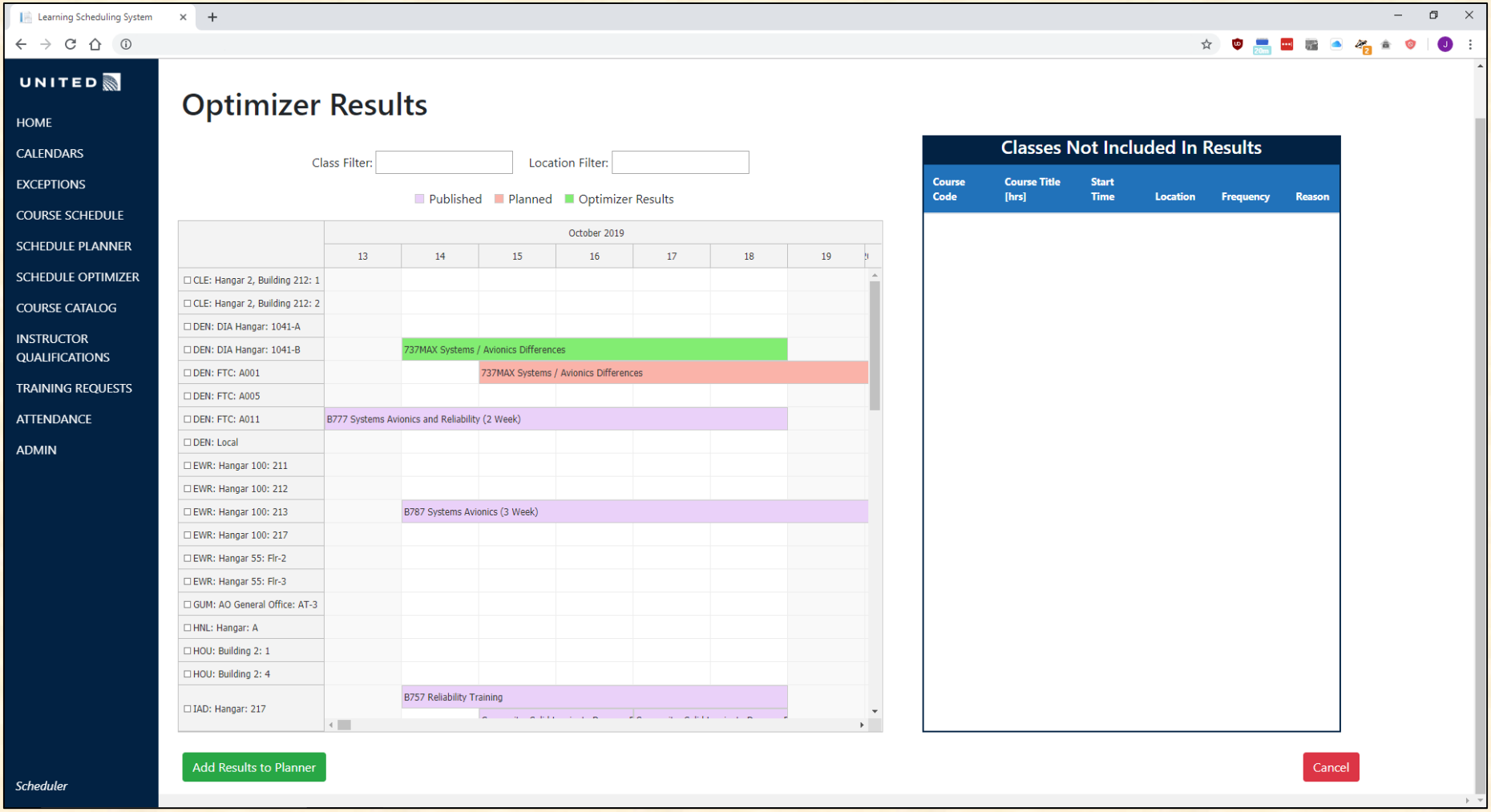
Calendar Expansion



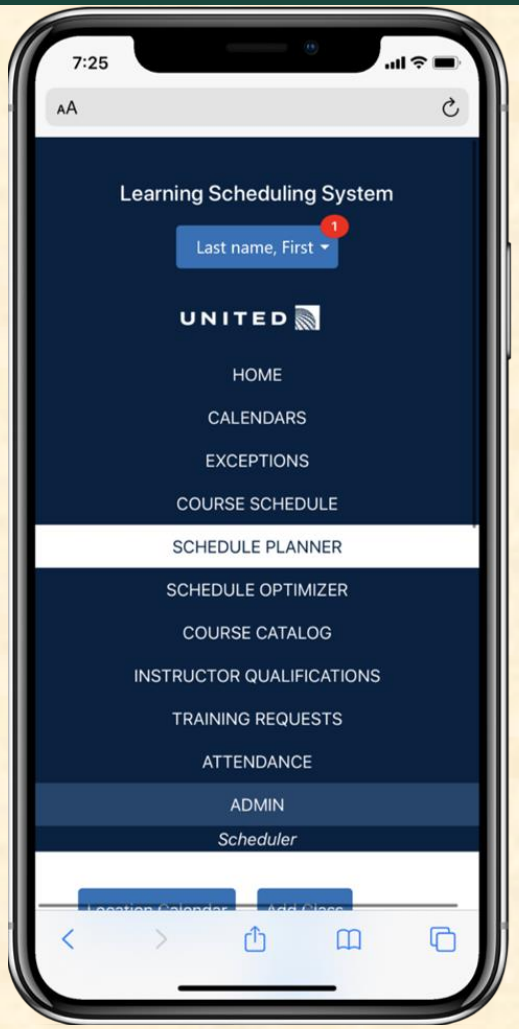
Schedule Optimizer – 1 of 2

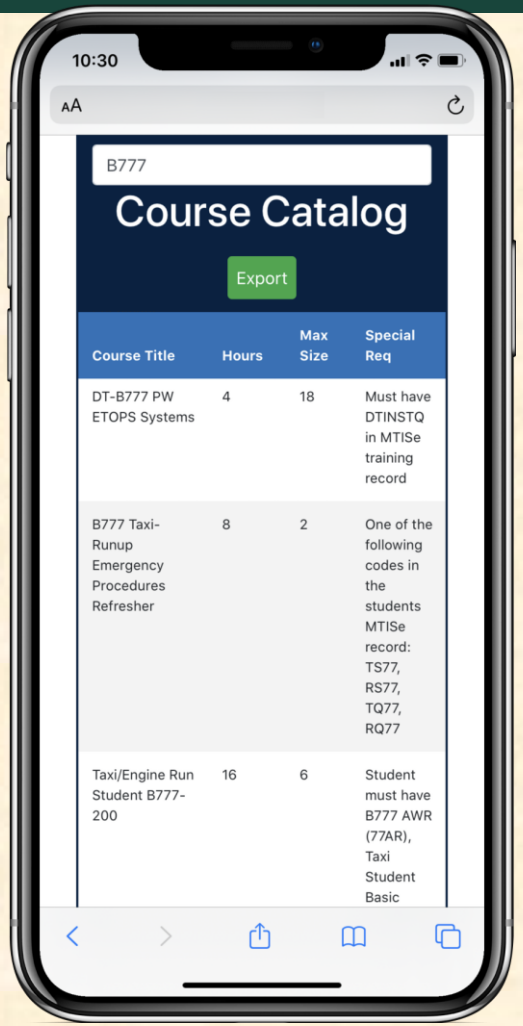


Schedule Optimizer – 2 of 2

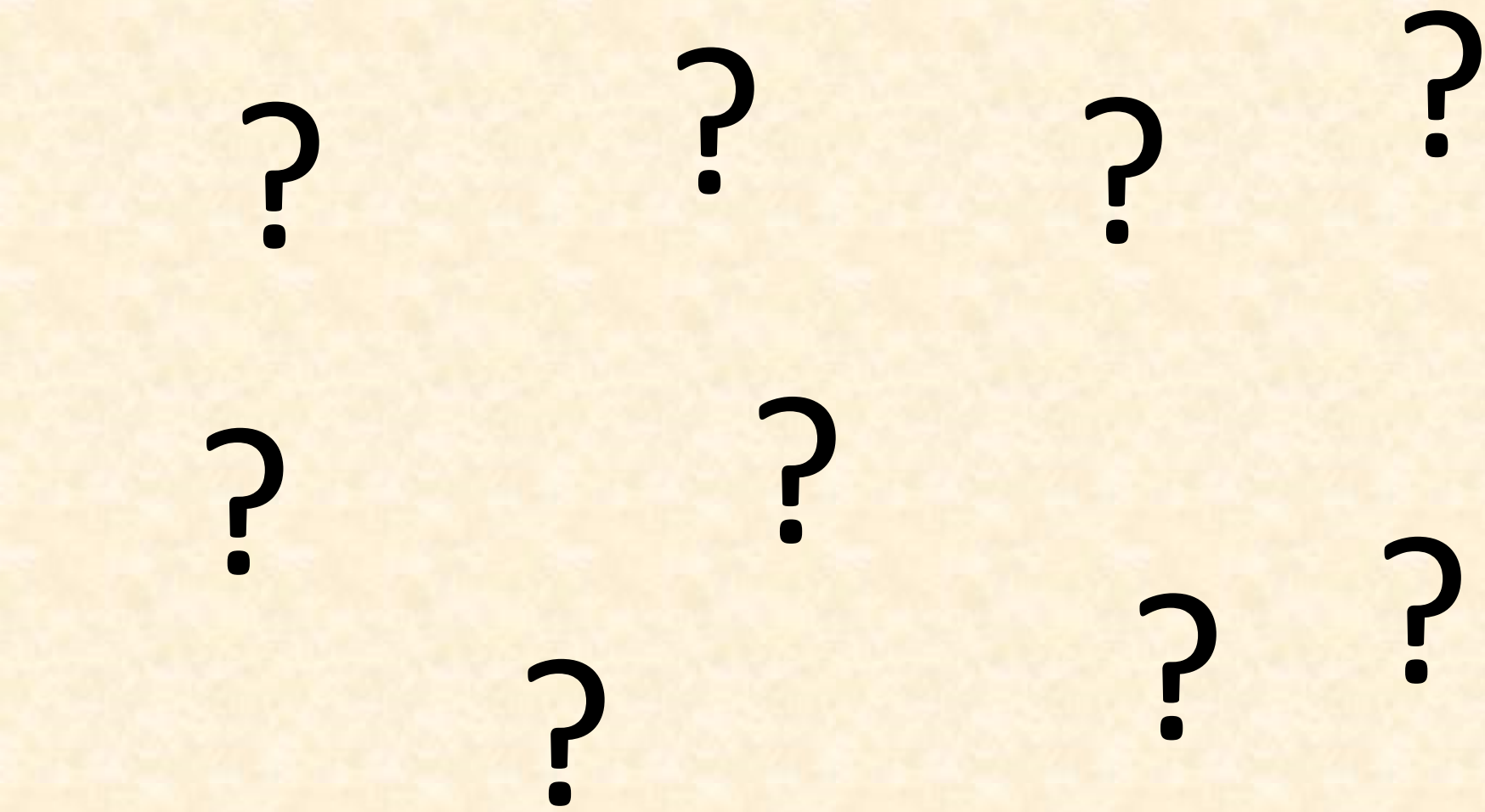


New Mobile Styling





What's left to do?

- Improving the optimizer
- OAM alternative user authentication
- Conflict notifications for planner
- Class roster expansion
- Drag and drop calendar
- Browser compatibility (Internet Explorer)
- Additional user feedback and validation prompts

Questions?