#### MICHIGAN STATE UNIVERSITY

Beta Presentation
Training Scheduling and Optimization
System II

The Capstone Experience

**Team United Airlines** 

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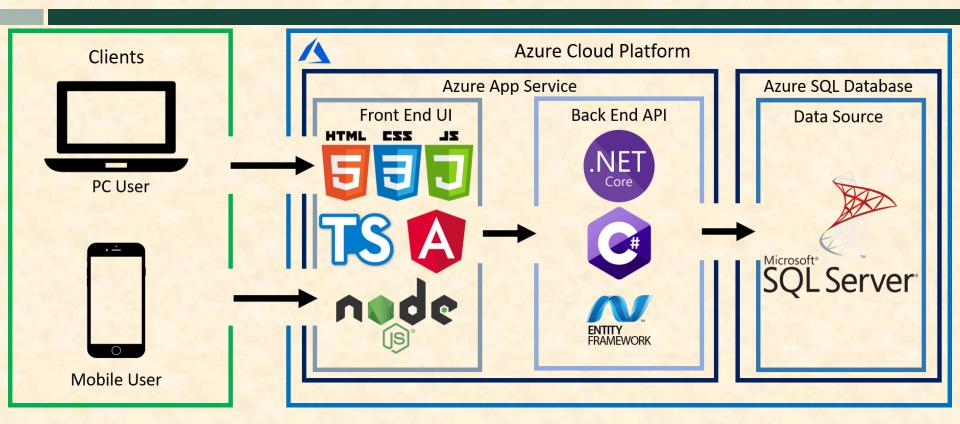


Department of Computer Science and Engineering
Michigan State University
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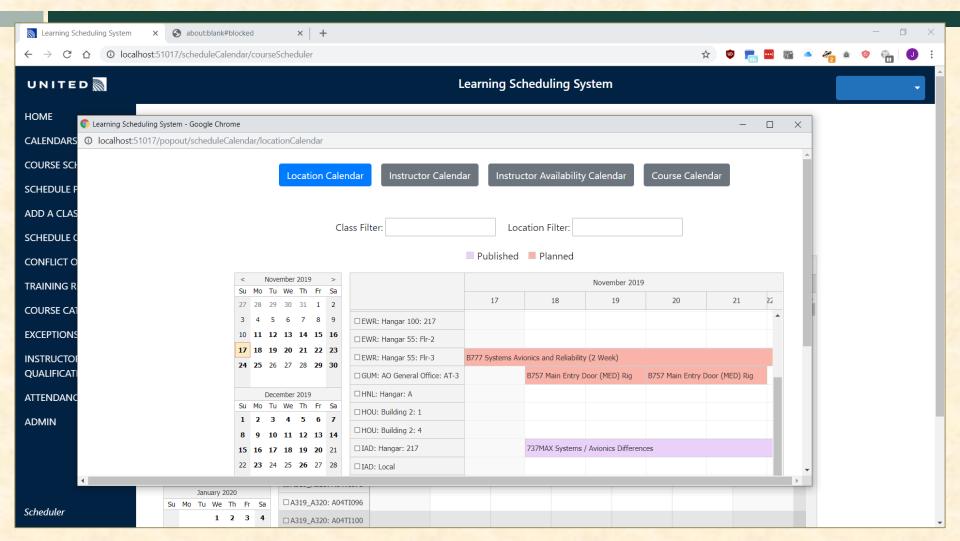
#### **Project Overview**

- Update and enhance the training scheduling system from the spring semester
- 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
- Highlight scheduled classes that have conflicting resources with other classes

## System Architecture

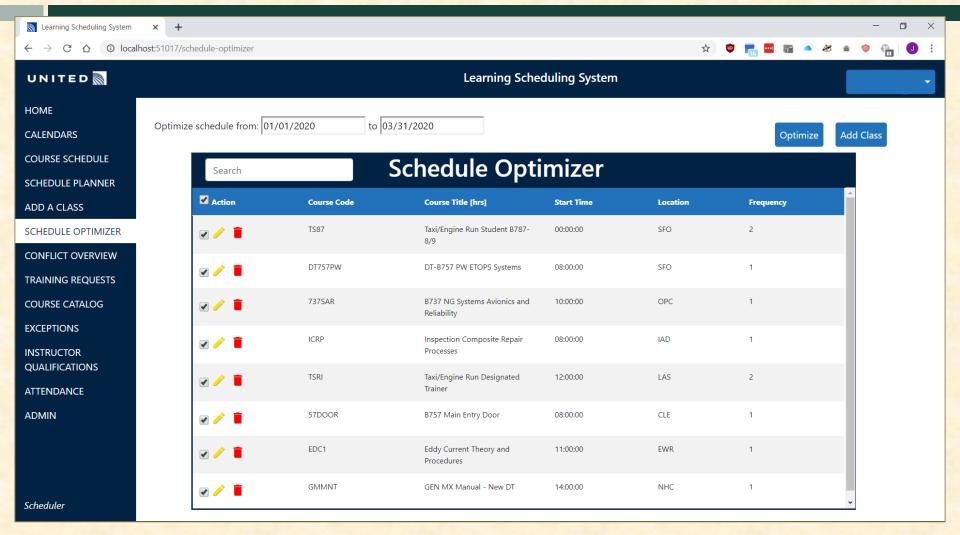


## Calendar Pop Outs



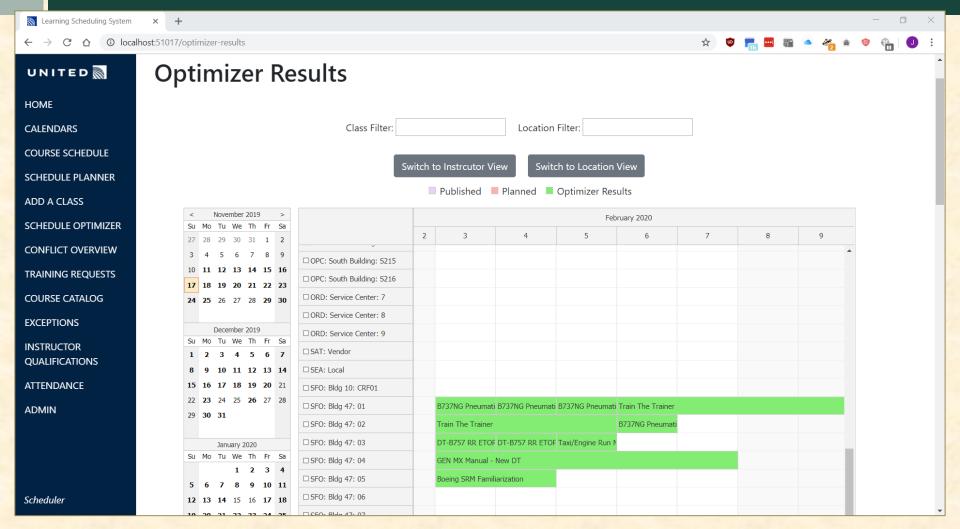


## Schedule Optimizer – 1 of 2



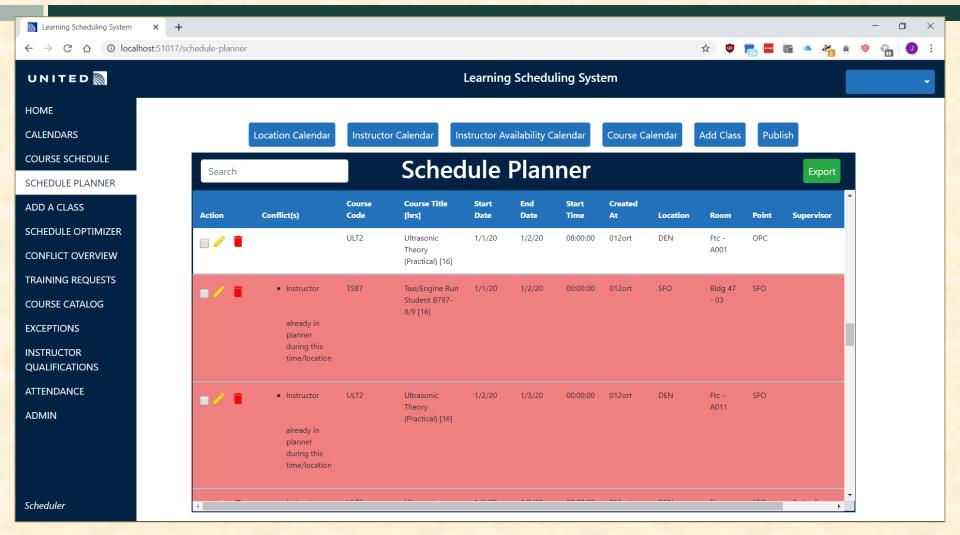


# Schedule Optimizer – 2 of 2





#### Schedule Conflict Alerts





#### What's left to do?

- Continue testing and improving the run time for the optimizer
- Finish additional modifications to OAM authentication
- Verify Internet Explorer 11 compatibility
- Add resource conflict highlighting to calendars

## Questions?

