

MICHIGAN STATE
UNIVERSITY

Beta Presentation

CATALyst: Mapping CATA Routes and Buses in
Real-Time

The Capstone Experience

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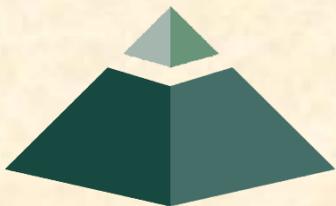
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Spring 2017



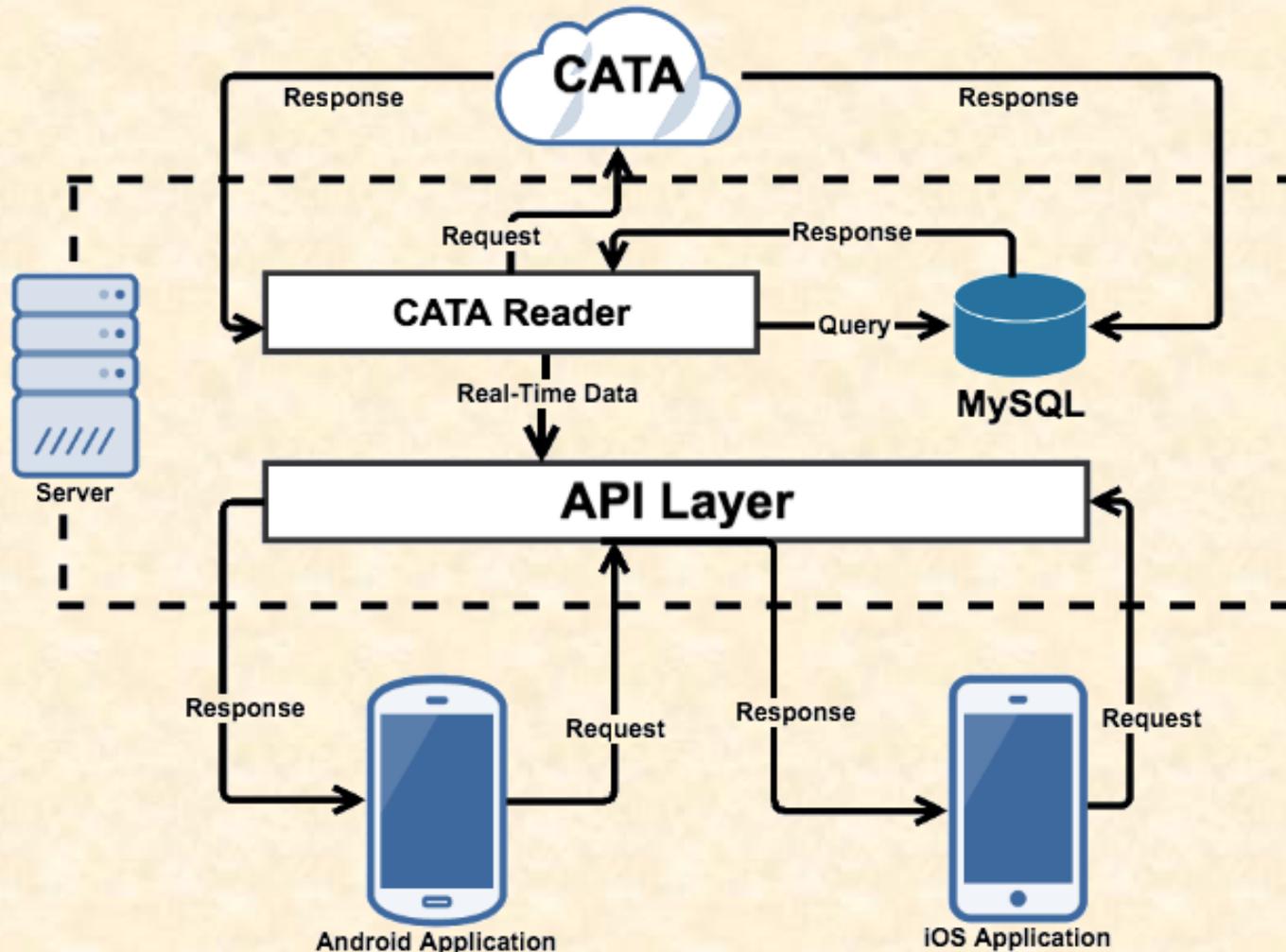
*From Students...
...to Professionals*

Project Overview

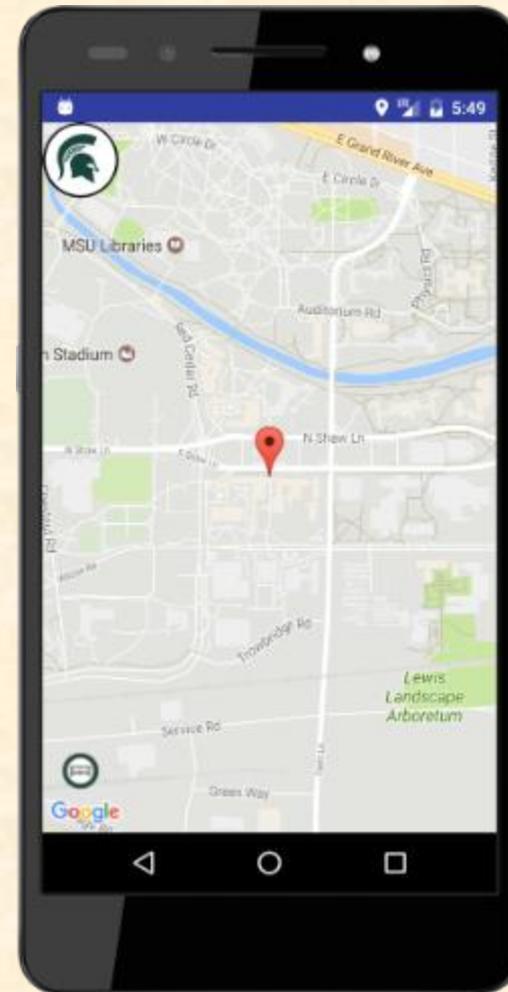
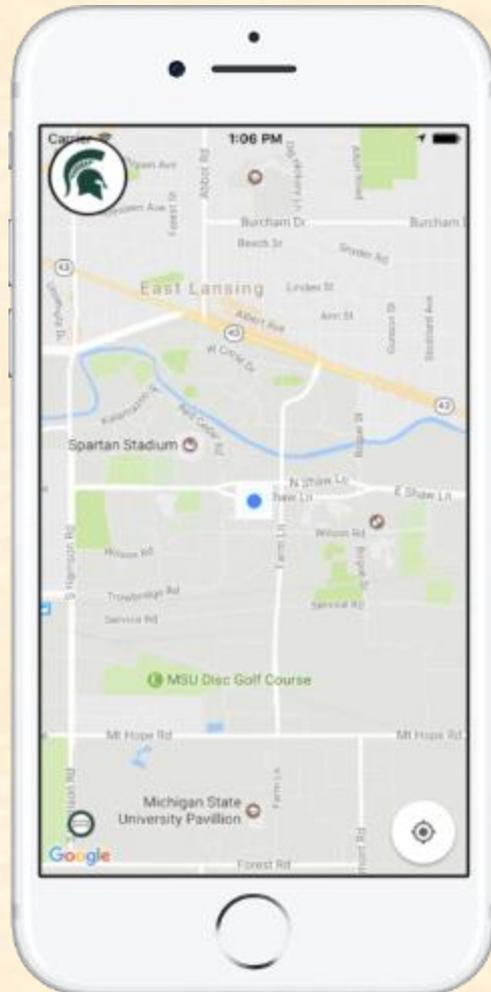
- User's can access real-time CATA bus locations, stops and routes
- Schedules can be entered
 - Local Notifications
 - The fastest route to their destination



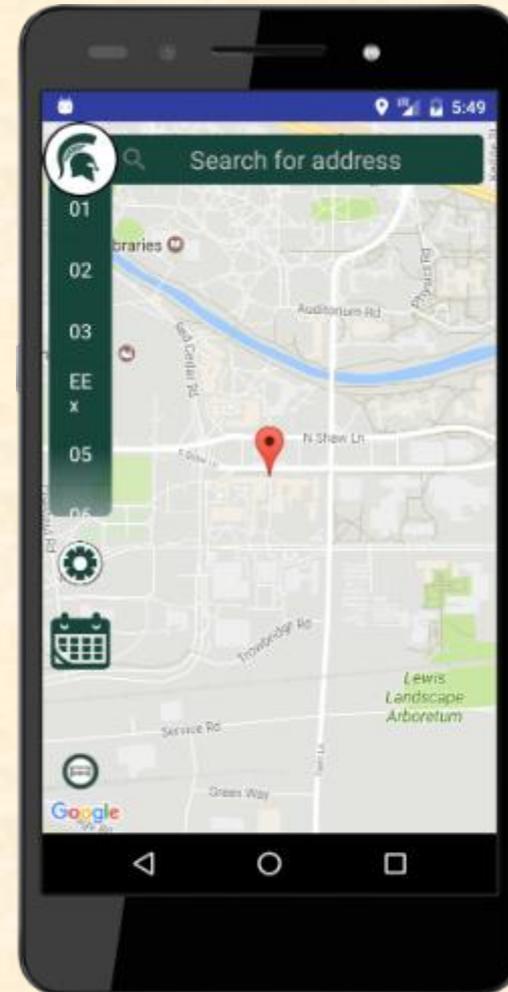
System Architecture



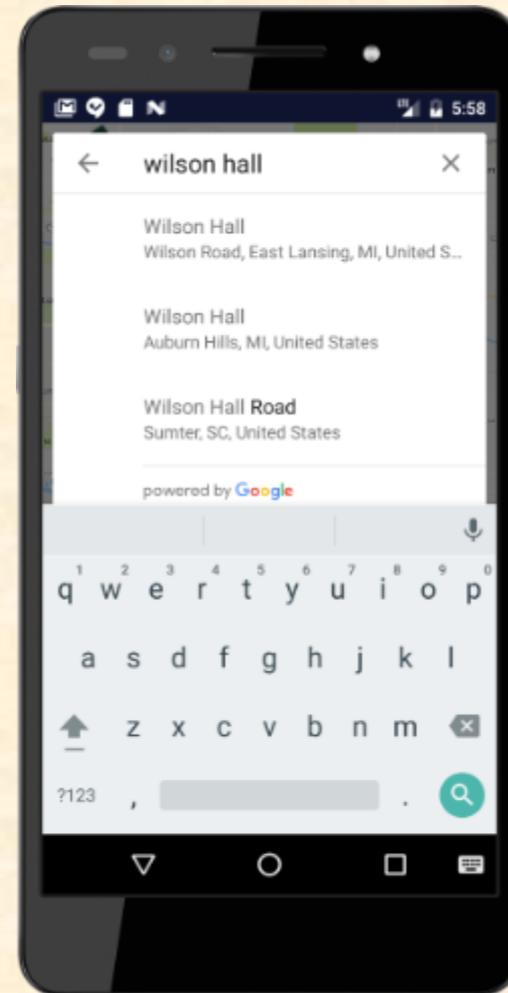
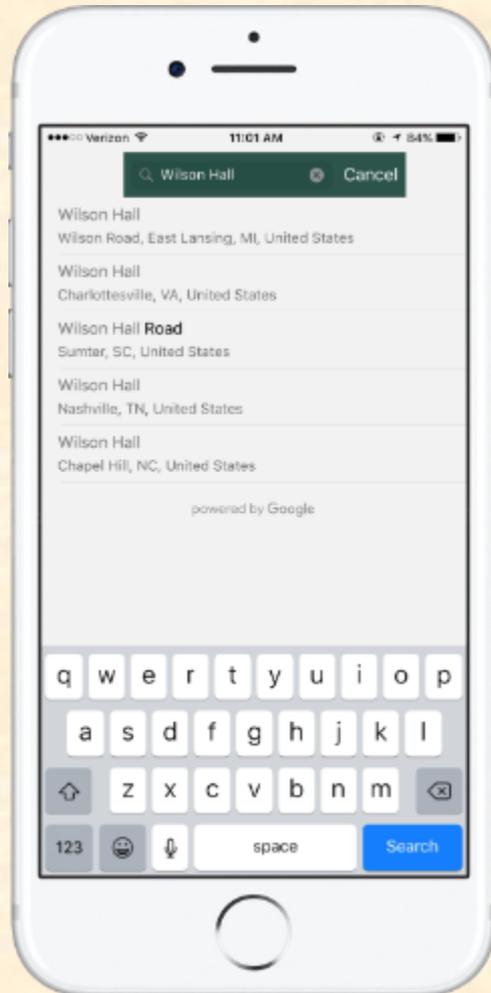
Home Screen



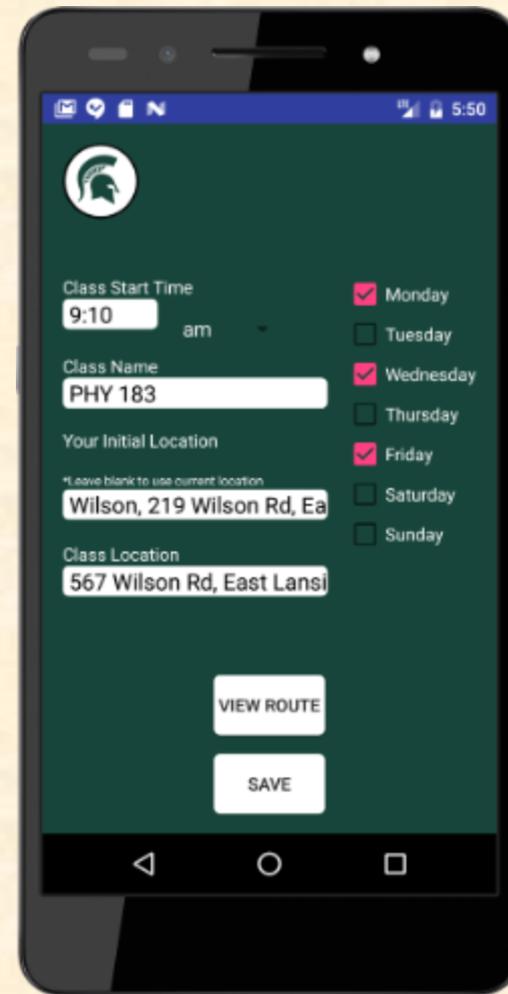
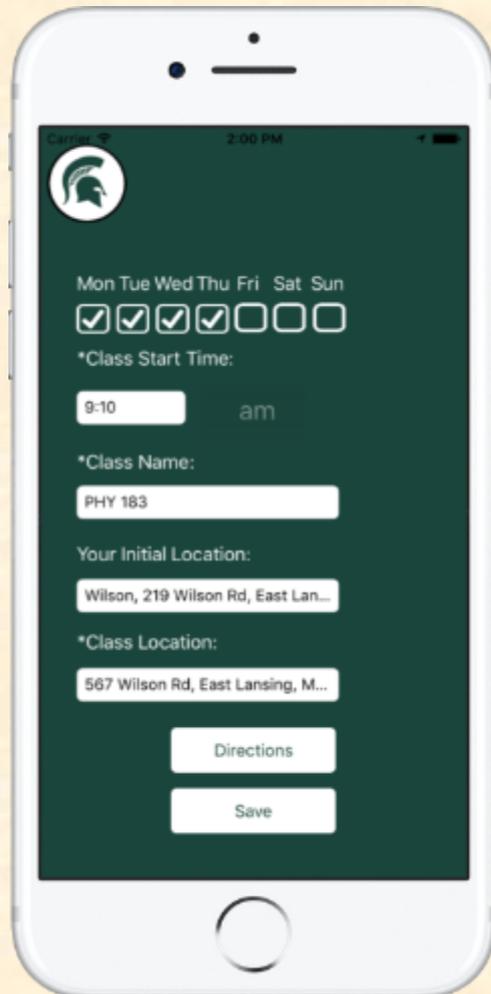
Route Filtering Drop-Down



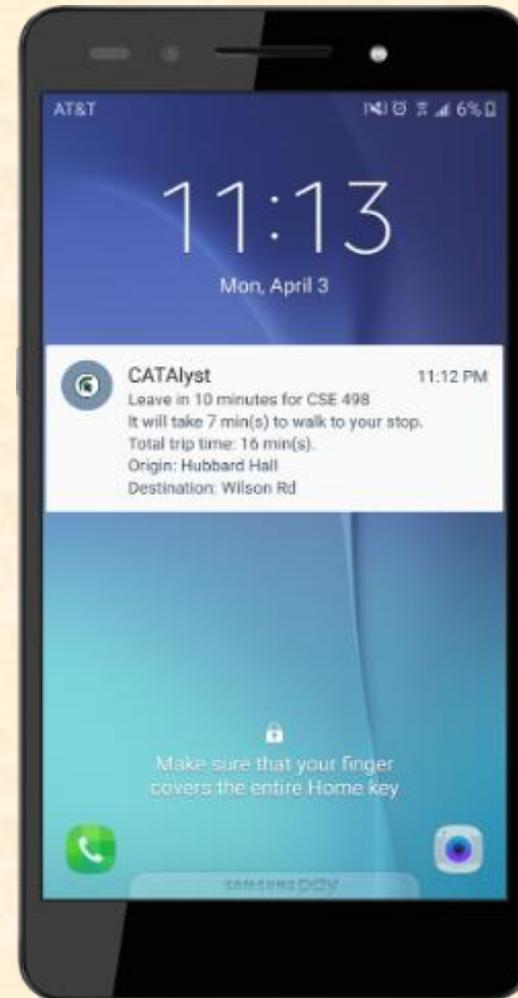
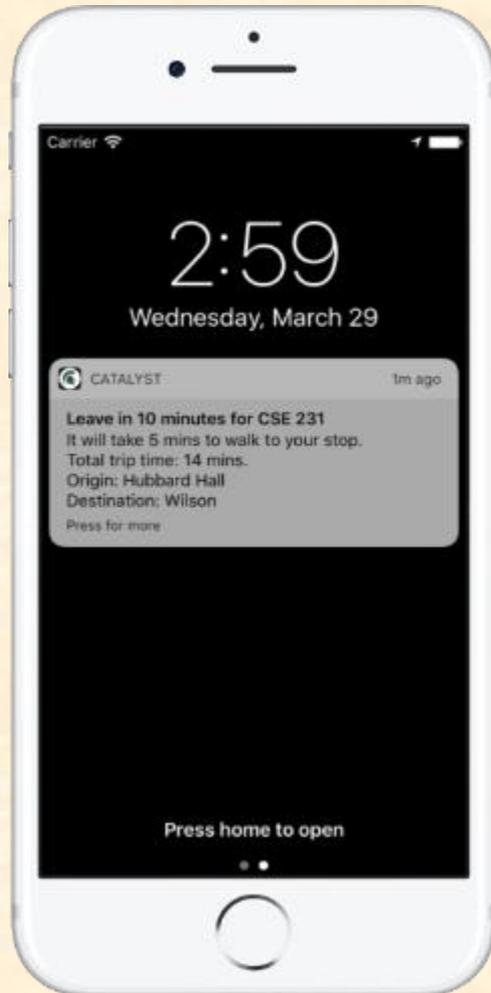
Search Functionality Auto Complete



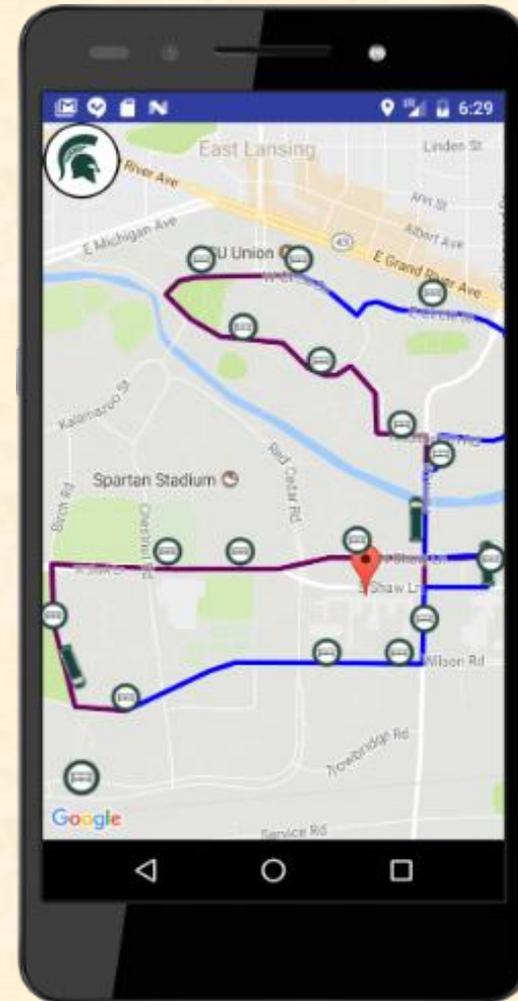
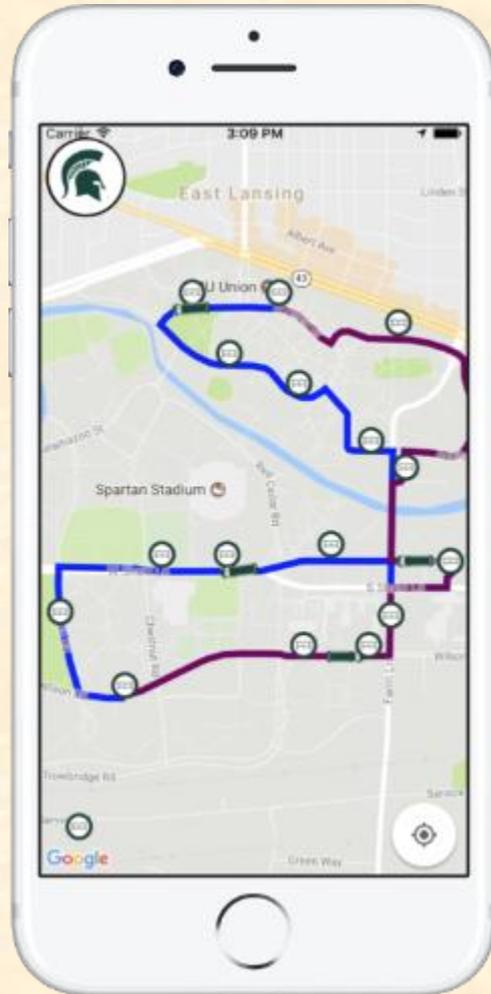
Schedule Input



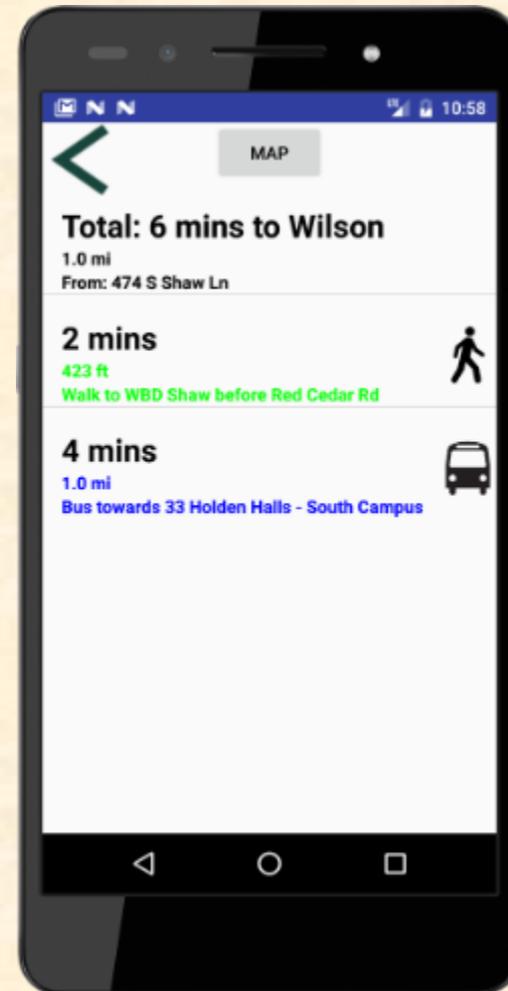
Local Notifications



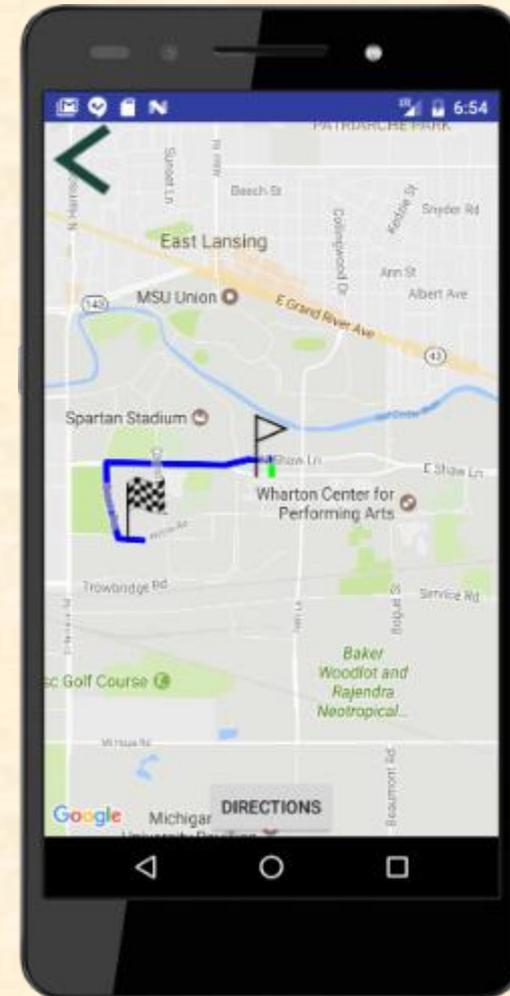
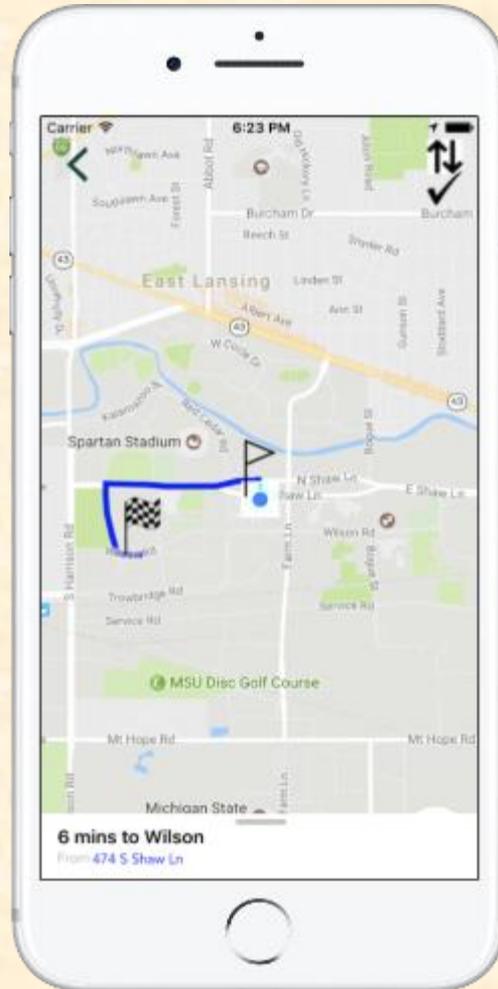
Route Highlighting



Directions List



Visual Route Directions



What's left to do?

- Scaled testing
- Bug fixes
- Project Video



Questions?

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