MICHIGAN STATE UNIVERSITY

Alpha Presentation

CATAlyst: Mapping CATA Routes and Buses in Real-Time

The Capstone Experience

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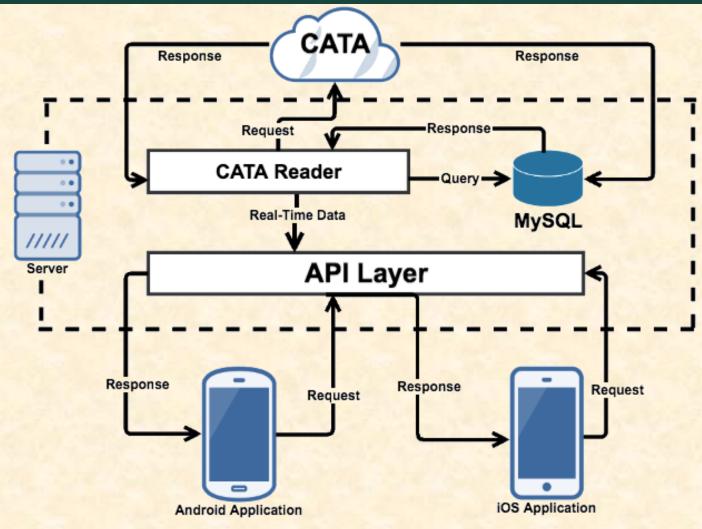
Spring 2017



Project Overview

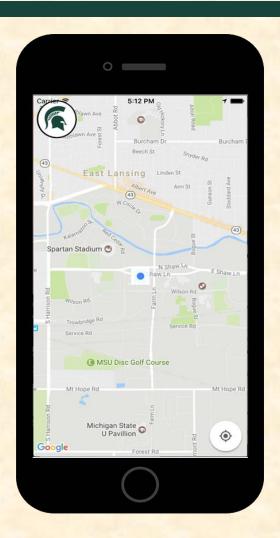
- Users can access real-time CATA bus locations, stops, and routes
- Schedules can be entered
 - Push notifications
 - The fastest route to their destination

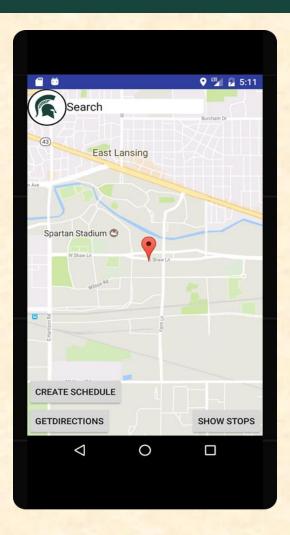
System Architecture



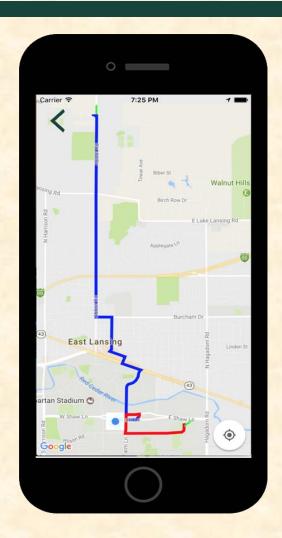


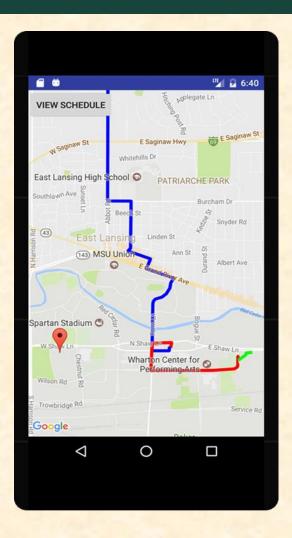
Home Screen





Scheduled Directions





Selecting a Route



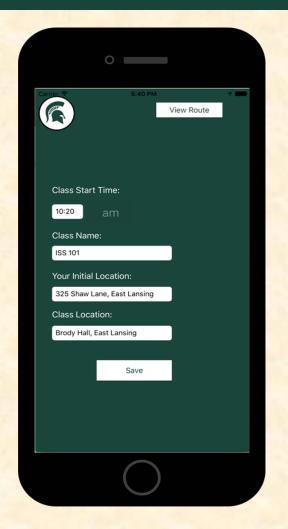


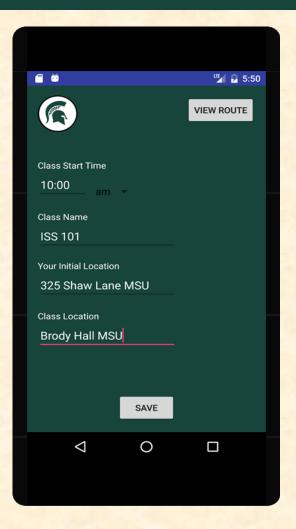
Displaying Next Bus Arrival



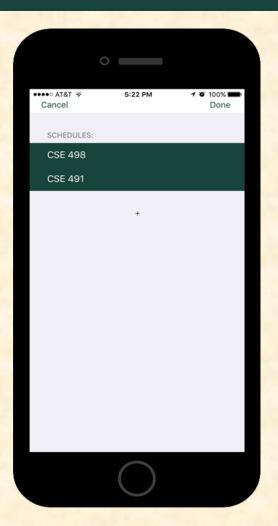


Inputting a Schedule





Schedule View





What's left to do?

- Loading schedules to implement push notifications
- Interpolation of buses in between pulls from CATA
- Search bar for locations
- Scaled testing with users on campus

Questions?

