From Students…
…to Professionals

The Capstone Experience

Beta Presentation

CATAlyst: Mapping CATA Routes and Buses in Real-Time

Team Michigan State University

Catherine Dinsmoor
Charlie Ward
Tom Beaver
James Dodge
Jimmy Mkude

Department of Computer Science and Engineering
Michigan State University
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Project Overview

• User’s can access real-time CATA bus locations, stops and routes

• Schedules can be entered
  o Local Notifications
  o The fastest route to their destination
System Architecture

The diagram illustrates the system architecture, with modules such as CATA, CATA Reader, MySQL, API Layer, Android Application, and iOS Application connected with arrows indicating the flow of data and requests. The architecture includes a cloud component labeled CATA, which interacts with various data sources and applications.
Home Screen
Route Filtering Drop-Down
Search Functionality Auto Complete
Schedule Input
Local Notifications

2:59
Wednesday, March 29

Leave in 10 minutes for CSE 231
It will take 5 mins to walk to your stop.
Total trip time: 14 mins.
Origin: Hubbard Hall
Destination: Wilson
Press for more

11:13
Mon, April 3

CATAlyst
Leave in 10 minutes for CSE 498
It will take 7 min(s) to walk to your stop.
Total trip time: 16 min(s).
Origin: Hubbard Hall
Destination: Wilson Rd

Make sure that your finger covers the entire Home key
Route Highlighting
Directions List
Visual Route Directions
What’s left to do?

• Scaled testing
• Bug fixes
• Project Video
Questions?