



# iPhone Project

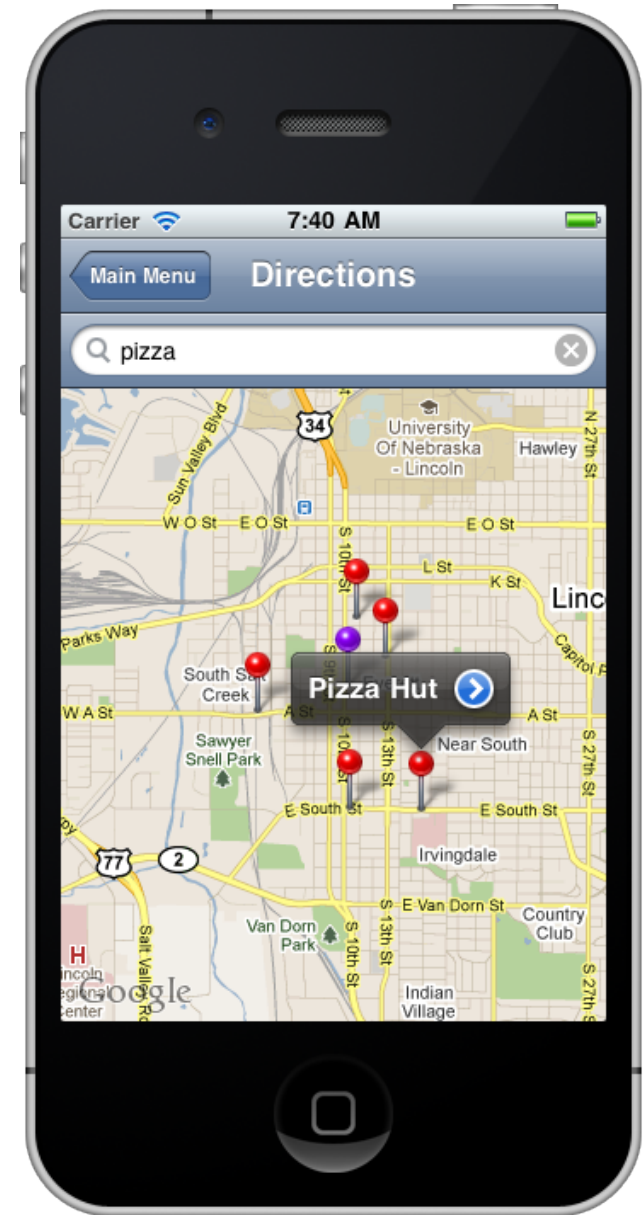
CSCE 487—Computer Science Senior Design  
University of Nebraska-Lincoln



*Get on Board*

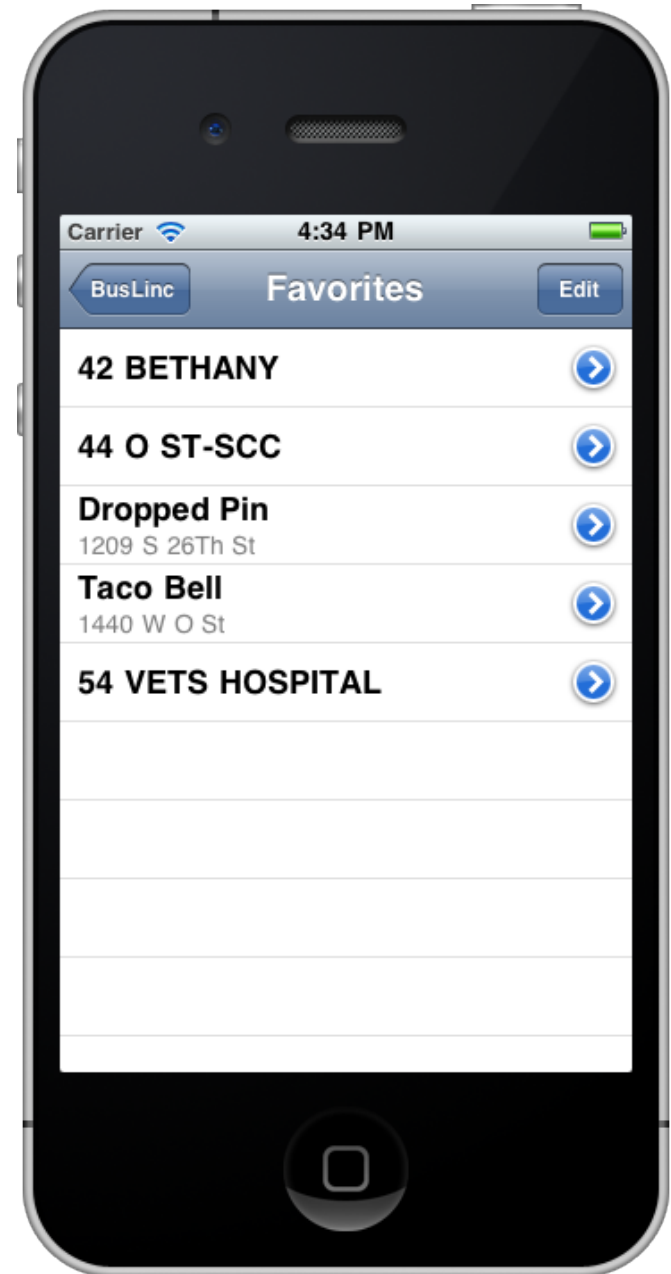
# Accomplished Functionality

- Routes
  - Draw Route
  - View Busses
  - View Bus Stops
  - Static Schedule
- Directions
  - Search using 'keywords'
  - Search for addresses
  - Top 5 results are returned
  - Drop pins at given locations
  - Draw A-to-B directions



# Accomplished Functionality

- Favorites
  - Routes
  - Locations
  - Dropped Pins
- Other
  - Splash Screen
  - Dynamically loads bus ids
  - Changed title to 'BusLinc'



# Testing

## Routes


- Similar to <http://getonboard.lincoln.ne.gov/>
- Arrival time is based on static schedule
- Manually check if bus arrives at stops based on application

## Directions

- Check query results (ex. Burger King)
- Check returned XML data
- Manual testing difficult with current returned data
- Report to server team based on results

```
NSLog(@"Great testing function@" );
```


# Risk Analysis

- Performance
    - Memory leaks
    - Server response time
    - Parsing - Switch from NSXMLParser to TBXML
  - Service Downtime
    - Paul's server
    - Daphne
    - Yahoo
  - Testing
    - Dynamic data
    - User driven
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# Demo



# Future Improvements

- Dynamic Alerts
  - Threading
  - Improve UI
  - Drawing and route optimization
  - Return current location of bus on directions
  - Implement 'Text Directions'
  - Testing
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# Questions

