MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation
Mobile RFID Inventory Tracking System

The Capstone Experience

Team Quicken Loans

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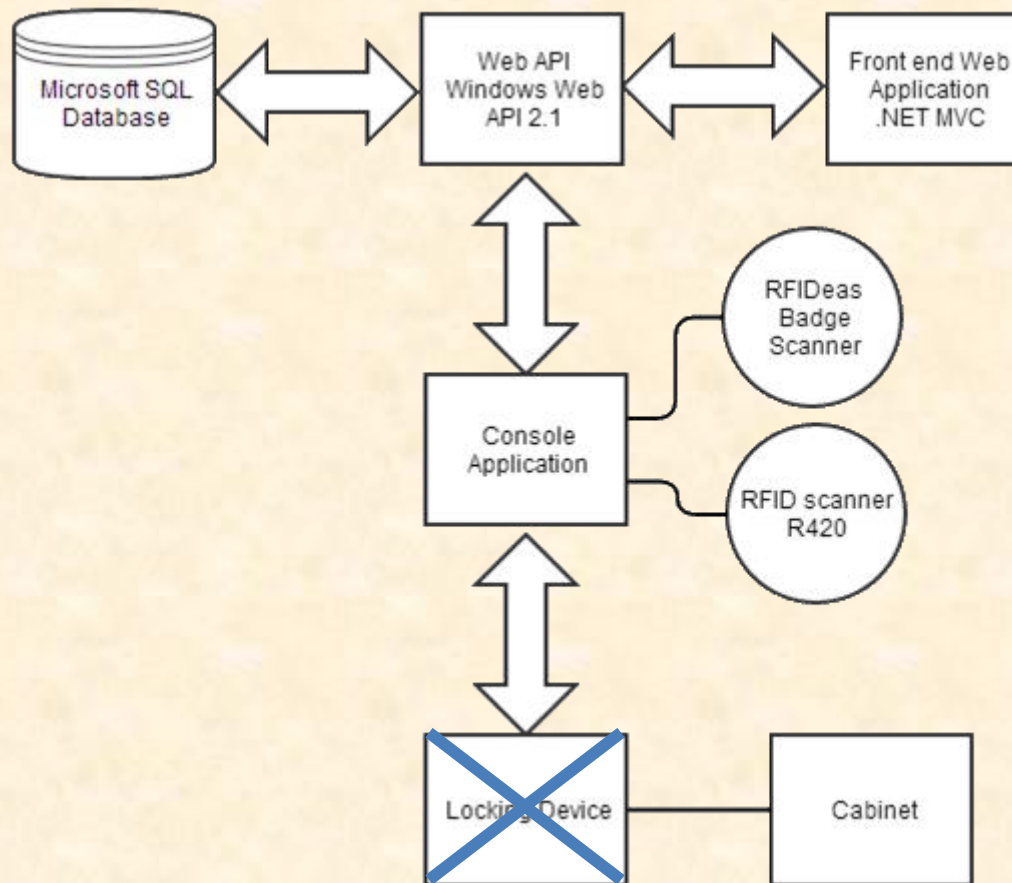
Spring 2014

From Students…
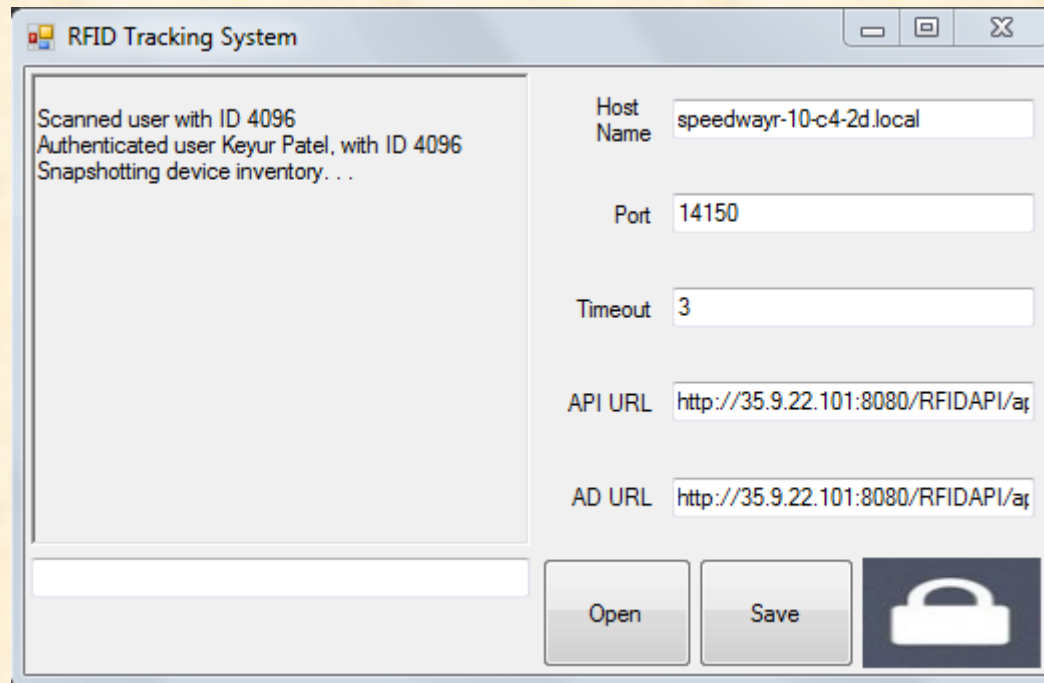*…to Professionals*

Project Overview

- Make it easy to track mobile devices

- Use RFID scanner with tags to track phones

- Use RFID badge scanner to scan ID badges

- Accompanying web app displays statuses

System Architecture

RFID Tracking System

Front End Device List

Front End Device History

Front End User History

Add Device/CRUD Operations

What's left to do?

- Styling on the front-end
- Code Refactoring
  - Refactor front end/API – API should be usable by human beings.
  - Add Jquery.UnobtrusiveValidation for client-side validation
  - Refactor Windows Forms Application code to be cleaner and readable.
- UI Refactoring / Cleanup
  - Clean up and make RFID Tracking System, The Windows Forms Application, more robust and usable