From Students…
…to Professionals

MICHIGAN STATE UNIVERSITY

Beta Presentation
SpectrumGo

The Capstone Experience
Team Spectrum Health

Andrew Astakhov
Pierce Neal
Rachel Polus
Collin Skonieski
Xin Zhao

Department of Computer Science and Engineering
Michigan State University
Spring 2018
Project Overview

- Mobile apps for real-time hospital navigation
- QR codes on posters determine position
- Web application
  - Managing navigation information
  - Viewing reports
System Architecture
Web Application Front Page

SPECTRUM HEALTH

SpectrumGO Management Portal

Manage Facilities
Add New Users

Manage Waypoints
Manage Pathways
Manage Reports

At Facility: All Facilities

Log Off
Web Application Waypoint Page

Waypoints At Engineering Building

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Name</th>
<th>QR Code</th>
<th>Edit</th>
<th>Manage Connections</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Building</td>
<td>Capstoned Lab</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Building</td>
<td>Room 3353</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Building</td>
<td>Room 3355 (Pantry)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Building</td>
<td>Drinkin' Fountain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Home | Create New
iOS Application
Android Application
What’s left to do?

• Resolve all style warnings in code
• Implement extra handicap accessibility
• Refine styling
• Etc...
Questions?