Beta Presentation
Location-Based Services App

The Capstone Experience

Team Auto-Owners
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Michigan State University
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Project Overview

• We have created a mobile app that will allow Auto-Owners employees to view customer information wherever they go
• The app shows a map of the user's location, and displays all local addresses that have policies, claims, or proposals
• The legend has settings to filter what information is shown
System Architecture

- Ubuntu Server
  - MySQL Database
- Admin Web Portal
- iOS
  - Swift/Xcode
- Android
  - Android Studio
- Google Maps API

Connections:
- HTTP
- POST/GET/PUT
Map View
Insurance Details View

Policy 1
- Insured Name: Taco Bell
- Address: 601 E Grand River Ave
- Type: Commercial
- Effective Date: 2017-12-31
- Expiration Date: 2018-12-31
- Business Type: Commercial
- Policy or Proposal: Policy

Claim 1
- Claim Number: 1111
- Loss Date: 2017-02-06
- Submission Date: 2017-02-07
- Closed Date: 2017-02-08
- Amount: 10000
- Settled Amount: 8000
- Suspected Fraud: true

Claim 2
- Claim Number: 1112
- Loss Date: 2017-01-25
- Submission Date: 2017-02-01
- Closed Date: 2017-02-27
- Amount: 100000
- Settled Amount: 0
- Suspected Fraud: true
Android Legend View

**AutoOwners**

**Policy Type**
- All:
- Home:
- Auto:
- TPP:
- BOP:
- Min Value: $___________
- Max Value: $___________
- Time Insured

**Local Policies**
- Home: 3
- Auto: 1
- TPP: 5
- BOP: 2
- Local Claims: 2
- Local Proposals: 4
- Total Local Exposure: 112019921

**Open Claims**

**Recently Submitted**

**Recently Closed**

**Under Investigation**

**Proposal Type**
- All:
- Home:
- Auto:
- TPP:
- BOP:
- Within X Days

**Local Policies**
- Home: 0
- Auto: 2
- TPP: 1
- BOP: 1
- Local Claims: 2

**Local Proposals: 4**

**Total Local Exposure: 112019921**
### iOS Legend View

**Policy Type**
- **All**: 
- **Home**: ![Switch](image)
- **Auto**: ![Switch](image)
- **TPP**: ![Switch](image)
- **BOP**: ![Switch](image)

**Min Value:** $ [ ]

**Max Value:** $ [ ]

**nsured for any time**

<table>
<thead>
<tr>
<th>Local Policies:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home:</td>
<td>3</td>
</tr>
<tr>
<td>Auto:</td>
<td>1</td>
</tr>
<tr>
<td>TPP:</td>
<td>5</td>
</tr>
<tr>
<td>BOP:</td>
<td>2</td>
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</table>

<table>
<thead>
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<td>5</td>
</tr>
</tbody>
</table>

**Exposure:** $1000001119999903

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**Claims**
- **All**: ![Switch](image)
- **Open Claims**: ![Switch](image)
- **Recently Submitted**: ![Switch](image)
- **Recently Closed**: ![Switch](image)
- **Under Investigation**: ![Switch](image)

**Proposal Type**
- **All**: ![Switch](image)
- **Home**: ![Switch](image)
- **Auto**: ![Switch](image)
- **TPP**: ![Switch](image)
- **BOP**: ![Switch](image)

**Within any time**

<table>
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<tr>
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</tr>
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**Exposure:** $1000001119999903

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**Local Policies**
- **Home**: 3
- **Auto**: 1
- **TPP**: 5
- **BOP**: 2

<table>
<thead>
<tr>
<th>Local Claims:</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Proposals:</td>
<td>5</td>
</tr>
</tbody>
</table>

**Exposure:** $1000001119999903
Settings View
Cross Selling
Admin Portal: List Users

<table>
<thead>
<tr>
<th>Id</th>
<th>Email</th>
<th>Created</th>
<th>Modified</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td><a href="mailto:christj2@msu.edu">christj2@msu.edu</a></td>
<td>1/23/17, 12:22 AM</td>
<td>1/23/17, 12:22 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>5</td>
<td><a href="mailto:test@msu.edu">test@msu.edu</a></td>
<td>1/23/17, 1:47 AM</td>
<td>1/23/17, 1:47 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>6</td>
<td><a href="mailto:test@gmail.com">test@gmail.com</a></td>
<td>1/24/17, 12:01 AM</td>
<td>1/24/17, 12:01 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>7</td>
<td><a href="mailto:testing@msu.edu">testing@msu.edu</a></td>
<td>1/24/17, 12:04 AM</td>
<td>1/24/17, 12:04 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>8</td>
<td><a href="mailto:testing2@msu.edu">testing2@msu.edu</a></td>
<td>1/24/17, 12:06 AM</td>
<td>1/24/17, 12:06 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>9</td>
<td><a href="mailto:testing5@msu.edu">testing5@msu.edu</a></td>
<td>1/24/17, 12:13 AM</td>
<td>1/24/17, 12:13 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>10</td>
<td><a href="mailto:testing6@msu.edu">testing6@msu.edu</a></td>
<td>1/24/17, 12:15 AM</td>
<td>1/24/17, 12:15 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>11</td>
<td><a href="mailto:testing7@msu.edu">testing7@msu.edu</a></td>
<td>1/24/17, 12:18 AM</td>
<td>1/24/17, 12:18 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>12</td>
<td><a href="mailto:testing8@msu.edu">testing8@msu.edu</a></td>
<td>1/24/17, 12:20 AM</td>
<td>1/24/17, 12:20 AM</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>13</td>
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<td>1/24/17, 12:21 AM</td>
<td>1/24/17, 12:21 AM</td>
<td>View Edit Delete</td>
</tr>
</tbody>
</table>
Admin Portal: List Policies

<table>
<thead>
<tr>
<th>Id</th>
<th>Insured Name</th>
<th>Agency Name</th>
<th>Street Address</th>
<th>City</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Taco Bell</td>
<td>Lansing Insurance</td>
<td>601 E Grand River Ave</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>2</td>
<td>Taco Bell</td>
<td>Lansing Insurance</td>
<td>601 E Grand River Ave</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>3</td>
<td>MSU Computer Center</td>
<td>MSU Insurance</td>
<td>450 Auditorium Rd #110</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>4</td>
<td>MSU International Center</td>
<td>MSU Insurance</td>
<td>427 N Shaw Lane</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>5</td>
<td>MSU Planetarium</td>
<td>MSU Insurance</td>
<td>755 Science Road</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>6</td>
<td>MSU FRIB</td>
<td>MSU Insurance</td>
<td>Shaw Lane</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>7</td>
<td>MSU Wells Hall</td>
<td>MSU Insurance</td>
<td>619 Red Cedar Road</td>
<td>East Lansing</td>
<td>View Edit Delete</td>
</tr>
</tbody>
</table>
Admin Portal: Edit Policy

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>Log Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete</td>
<td></td>
</tr>
<tr>
<td>List Policies</td>
<td></td>
</tr>
<tr>
<td>List Users</td>
<td></td>
</tr>
<tr>
<td>New User</td>
<td></td>
</tr>
</tbody>
</table>

**Edit Policy**

- **Proposal Or Policy**
  - Policy

- **Policy Type**
  - Commercial

- **Line Of Business**
  - TPP

- **Effective Date**
  - 2017 December 31

- **Expiration Date**
  - 2018 December 31

- **Insured Name**
### Admin Portal: List Claims

#### Claims

<table>
<thead>
<tr>
<th>Id</th>
<th>Claim Number</th>
<th>Loss Sustained Date</th>
<th>Claim Submitted Date</th>
<th>Claim Amount</th>
<th>Settled Amount</th>
<th>Claim Closed Date</th>
<th>Fraud Indicator</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1111</td>
<td>2/6/17, 12:00 AM</td>
<td>2/7/17, 12:00 AM</td>
<td>10000</td>
<td>8000</td>
<td>2/8/17, 12:00 AM</td>
<td>n</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>2</td>
<td>1112</td>
<td>1/25/17, 12:00 AM</td>
<td>2/1/17, 12:00 AM</td>
<td>100000</td>
<td>0</td>
<td>2/27/17, 12:00 AM</td>
<td>y</td>
<td>View Edit Delete</td>
</tr>
<tr>
<td>3</td>
<td>1113</td>
<td>2/19/17, 7:00 PM</td>
<td>2/19/17, 7:00 PM</td>
<td></td>
<td></td>
<td>2/19/17, 7:00 PM</td>
<td></td>
<td>View Edit Delete</td>
</tr>
</tbody>
</table>

Page 1 of 1, showing 3 record(s) out of 3 total
What’s left to do?

• Bugfix
• Polish the UI and user experience
• Continue to add mock data
Questions?