

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation

Catastrophic Claims Unit Mobilization

The Capstone Experience

Team Auto-Owners

Nicole Lawrence

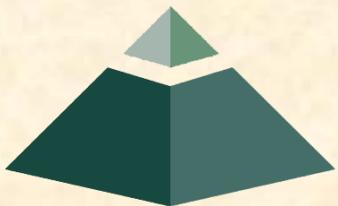
Nick Reuter

Jason Steele

Matt Wiechec

Department of Computer Science and Engineering
Michigan State University

Spring 2016



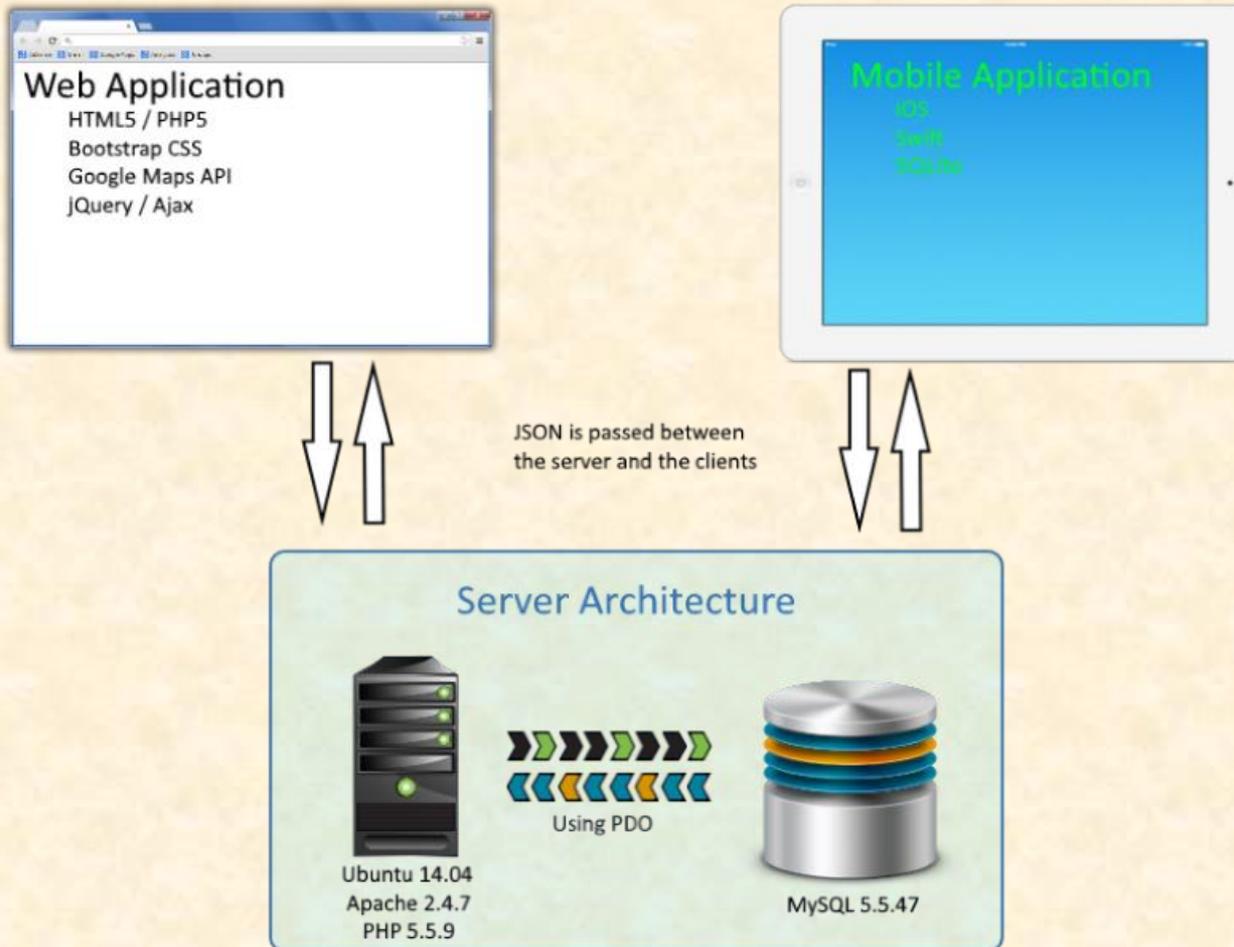
*From Students...
...to Professionals*

Project Overview

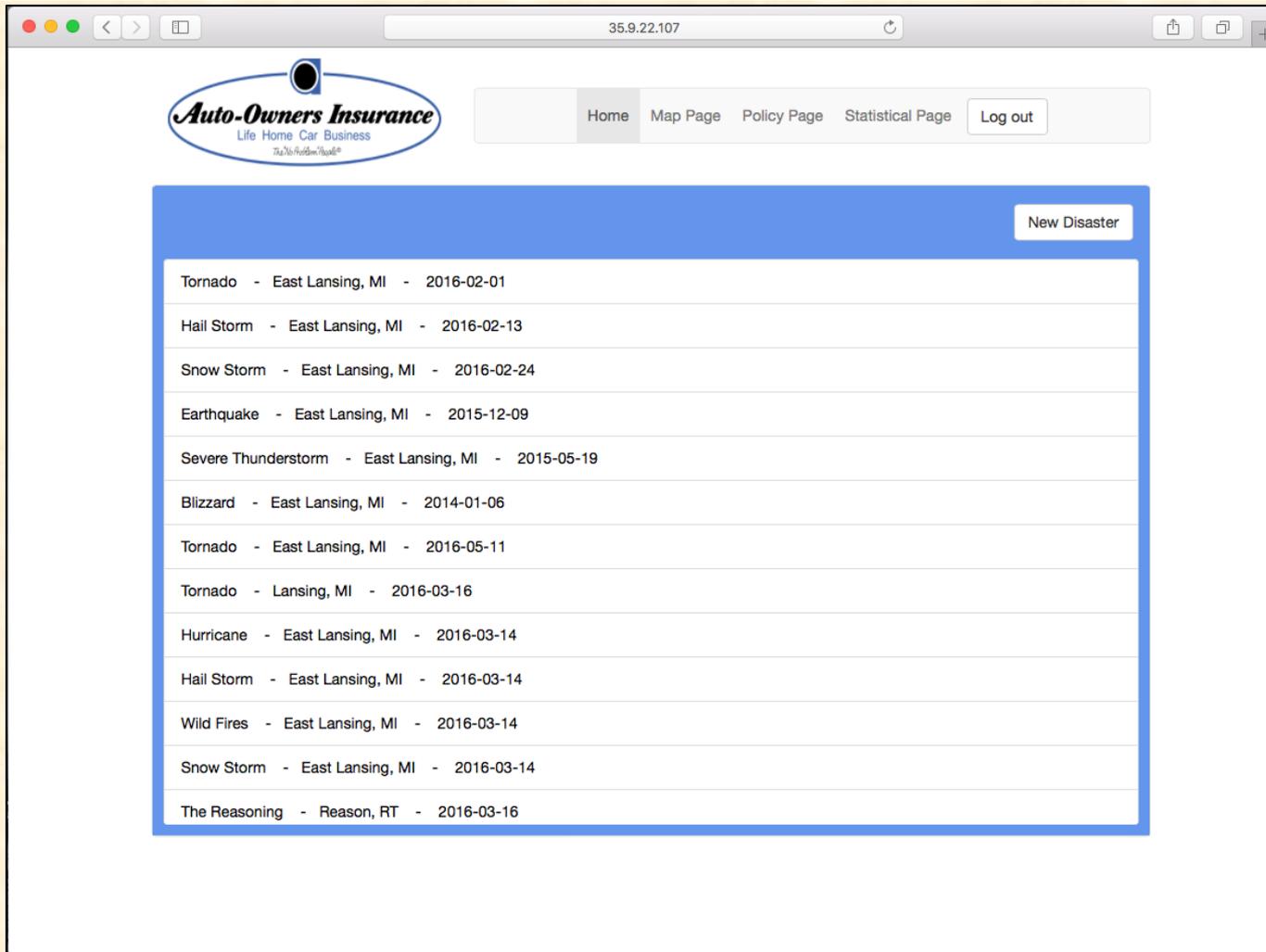
- Interactive web page that displays policies and statistics
- Determine high and low damage weather areas
- Determine centralized location for Mobile Claims Unit Bus
- Complete preprinted loss form on mobile application
- Filter and search policies on both platforms
- Data searches in limited to non-existent internet environments



System Architecture



Home page



35.9.22.107

Auto-Owners Insurance
Life Home Car Business
The Professional®

Home | Map Page | Policy Page | Statistical Page | Log out

New Disaster

Tornado	- East Lansing, MI	- 2016-02-01
Hail Storm	- East Lansing, MI	- 2016-02-13
Snow Storm	- East Lansing, MI	- 2016-02-24
Earthquake	- East Lansing, MI	- 2015-12-09
Severe Thunderstorm	- East Lansing, MI	- 2015-05-19
Blizzard	- East Lansing, MI	- 2014-01-06
Tornado	- East Lansing, MI	- 2016-05-11
Tornado	- Lansing, MI	- 2016-03-16
Hurricane	- East Lansing, MI	- 2016-03-14
Hail Storm	- East Lansing, MI	- 2016-03-14
Wild Fires	- East Lansing, MI	- 2016-03-14
Snow Storm	- East Lansing, MI	- 2016-03-14
The Reasoning	- Reason, RT	- 2016-03-16



Map Page

The screenshot displays the 'Auto-Owners Insurance' website's 'Map Page'. The page features a navigation menu with 'Home', 'Map Page', 'Policy Page', and 'Statistical Page', along with 'Save' and 'Log out' buttons. The main content area is titled 'SE MI Tornado' and includes a weather radar overlay on a map of the Southeastern United States. The radar shows various weather patterns, with a prominent red area indicating a tornado. Numerous yellow circular markers with numbers are overlaid on the map, representing policy claim data points. A 'Policy Key' legend in the bottom left of the map area identifies the claim statuses: No Claim (blue), New Claim (red), Assigned Claim (orange), and Closed Claim (green). The left sidebar contains filters for 'Start Time', 'Weather Overlay Time', and 'Weather Overlay Display'. Below these are 'Map Filters' for 'Home Policy Size' (ranging from 0 - \$20K to \$500K+) and 'Policy Status' (No Claim, New Claim, Assigned Claim, Closed Claim). A 'Submit Filters' button is located at the bottom of the filter section. The map interface includes 'Map' and 'Satellite' tabs, a 'RADAR' legend for RAIN, ICE, and SNOW, and a 'Google' logo at the bottom left. The bottom right of the map area contains a person icon, a zoom in (+) button, and a zoom out (-) button. The footer of the map area reads 'Imagery ©2016 TerraMetrics Terms of Use Report a map error'.



Policy Page

Auto-Owners Insurance
Life Home Car Business
The Auto-Owners Group

Home Map Page **Policy Page** Statistical Page Log out

SE MI Tornado

Policy Sorting

- A - Z
- Zip Code
- City
- State
- Agency
- Claim Status

Sort

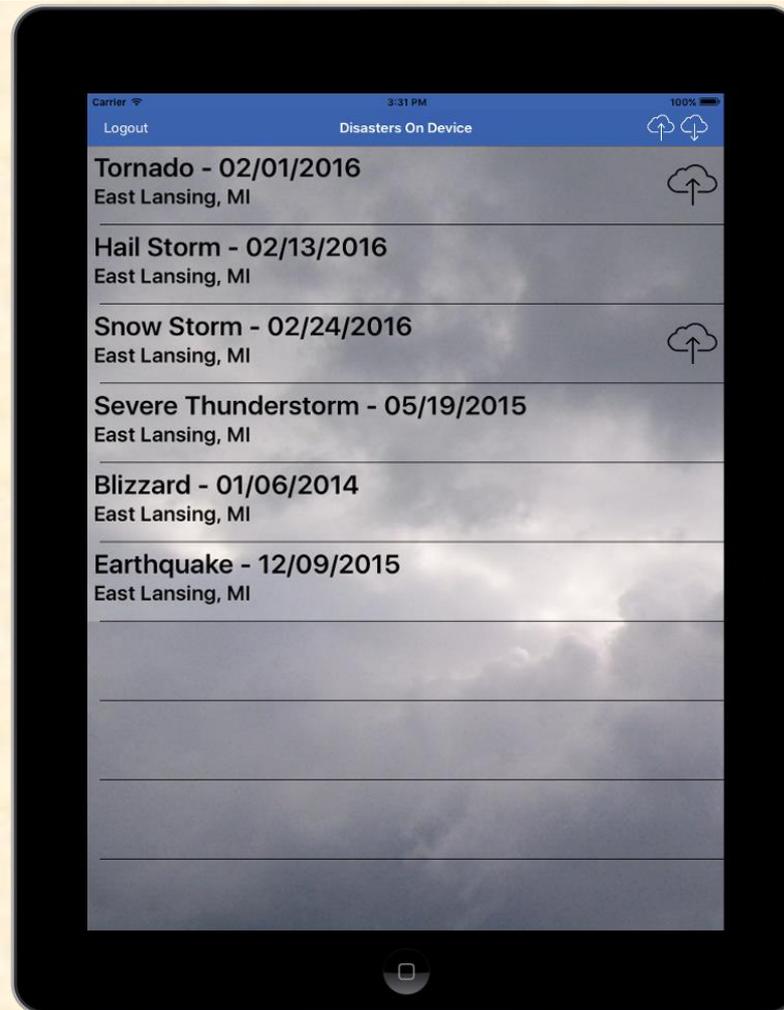
Carter, Lisa Address: 1 Crowley Trail Trenton, MI 08603 Agency: Skipstorm Claim: In Progress	Carter, Ruth Address: 30951 Morrow Park Boise, MI 83757 Agency: Skipstorm Claim: Closed
Castillo, Evelyn Address: 22 Beilfuss Park Oklahoma City, MI 73157 Agency: Skipstorm Claim: New	Castillo, Heather Address: 0381 Farragut Drive Chicago, MI 60630 Agency: Skipstorm Claim: Closed
Chapman, Robert Address: 1 2nd Court Pittsburgh, MI 15235 Agency: Skipstorm Claim: No Claim	Chavez, Randy Address: 417 Almo Trail Orlando, MI 32819 Agency: Skipstorm Claim: New
Clark, Marie Address: 71846 Schurz Parkway Washington, MI 20226 Agency: Skipstorm Claim: In Progress	Cole, Thomas Address: 94 Schmedeman Circle Richmond, MI 23220 Agency: Skipstorm Claim: In Progress
Coleman, Paul Address: 9174 Mifflin Junction Amarillo, MI 79165 Agency: Skipstorm Claim: In Progress	Coleman, Sean Address: 688 Arkansas Place Norman, MI 73071 Agency: Skipstorm Claim: New



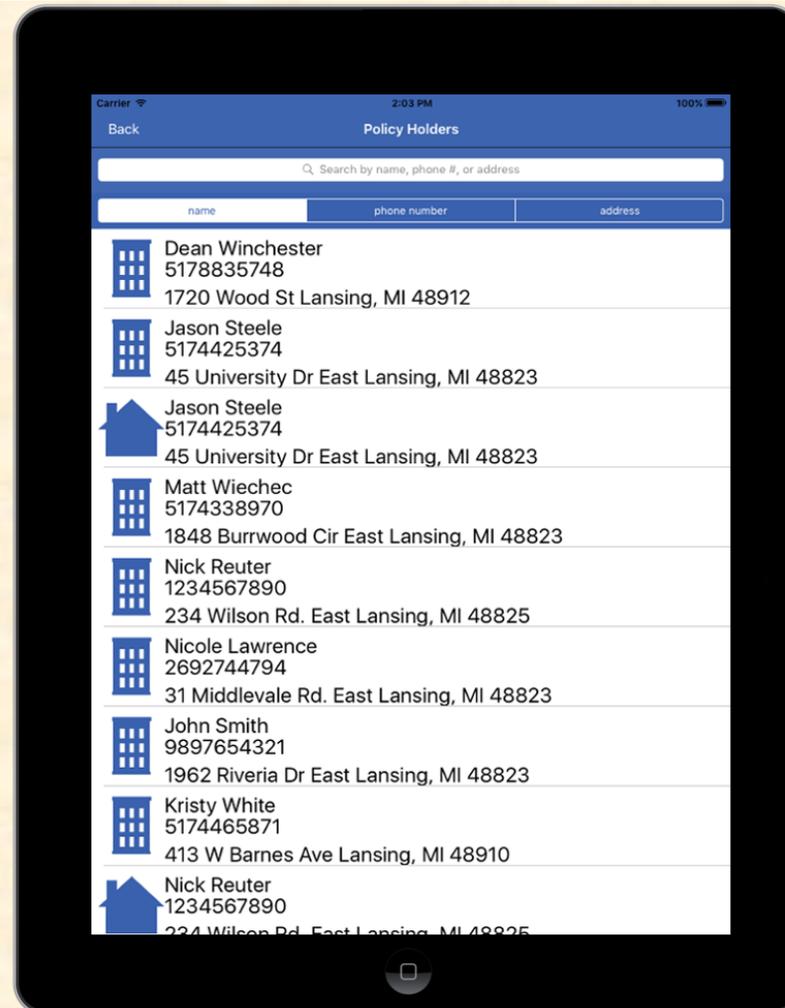
Statistical Page



Disasters On Device



Policyholders in Disaster



Preprinted Loss Notice

Carrier 2:00 PM 100%

Back Pre-printed Loss Notice

Insured Contact Information

Matt Wiechec
1848 Burrwood Cir
East Lansing, MI 48823

Primary Phone Number:
5174338970

Secondary Phone Number:
5172331254

Notes

Prefers to be contacted at secondary phone number after 5:00PM

Policy Information

Agency Address:
Auto-Owners
1400 Abbot Rd #320
East Lansing, MI 48823

Agency Number:
1

Policy Number:
7

Term:
02/01/2016 - 02/01/2017

Loss Information

Loss Date: 02/01/2016
Reason: Wind
Caused By: Wind

Locations:

200 Michigan Ave Lansing, MI 48912

Personal Claim Form

Carrier 9:57 AM 100%

Cancel Personal Claim Form Save

Damages

Dwelling Damage:
Light

Content Damage:
Heavy

Other Structure Damage:
Total Loss

Property Coverages

Coverage Type	Description	Amount
Cov D	Other structure	\$250,000.00
Cov E	Loss of rents	\$150,000.00
Cov A	Dwelling or condominium	\$200,000.00
Cov H	Loss of rents	\$7,500.00

Subject To Forms

1001-02, 1001-01
1001-03, 1002-02
1002-03, 1002-01

Deductibles

All Perils: \$1,500.00
Hurricane Only: \$10,000.00

Flood Insurance

Does the insured have flood insurance?

Flood Insurer:
Auto-Owners Insurance

What's left to do?

- Web application
 - Unit testing
 - Polishing the appearance of the web app
- Mobile application
 - Unit testing

