

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

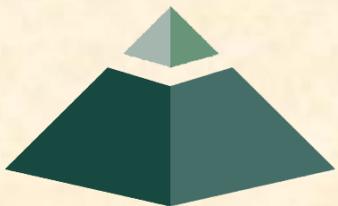
**Beta Presentation**  
**Vehicle Audit Analytics**  
**The Capstone Experience**

**Team Ford**

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Fall 2014



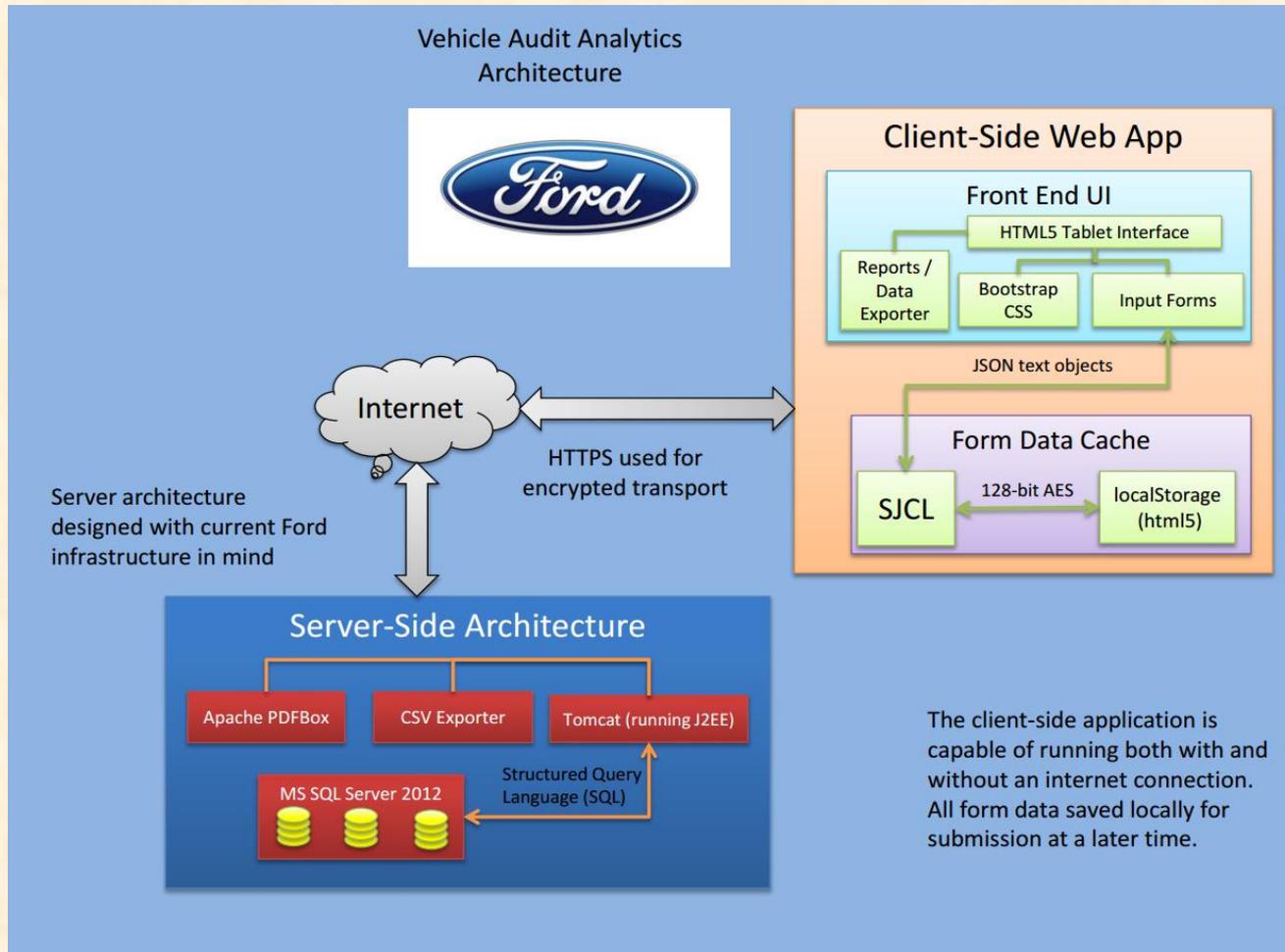
*From Students...*  
*...to Professionals*

# Project Overview

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- Web Application for Ford Designers
- Compare Products Against Competitors
- Previous Process Involved Long series of Spreadsheets
- Mobile Web Application to Simplify the Process
- Decrease Audit Time and Analysis

# System Architecture



# Log In Page

iPad 7:55 PM 98%

35.9.22.101

Ford Motor Company JavaScript - Bootstrap

Vehicle Audit Analytics 

Please Sign In

Username

Password

Remember me

[Sign in](#)

Don't have an account? [Sign Up](#)



# Survey Tab

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Vehicle Audit Analytics  Survey Update Upload Admin Reports

### Vehicle Information

Vehicle Year	2014	✓
Vehicle Make	Jeep	✓
Vehicle Model	Grand Cherokee	✓
Vehicle Series	SRT	✓
Pricing	80000	✓
Location	Detroit Auto Show	✓

### Vehicle Survey

Select Vehicle Area ▾

Save Survey New Survey



# Survey Tab

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Vehicle Audit Analytics  Survey Update Upload Admin Reports

## Vehicle Survey

Select Vehicle Area ▾

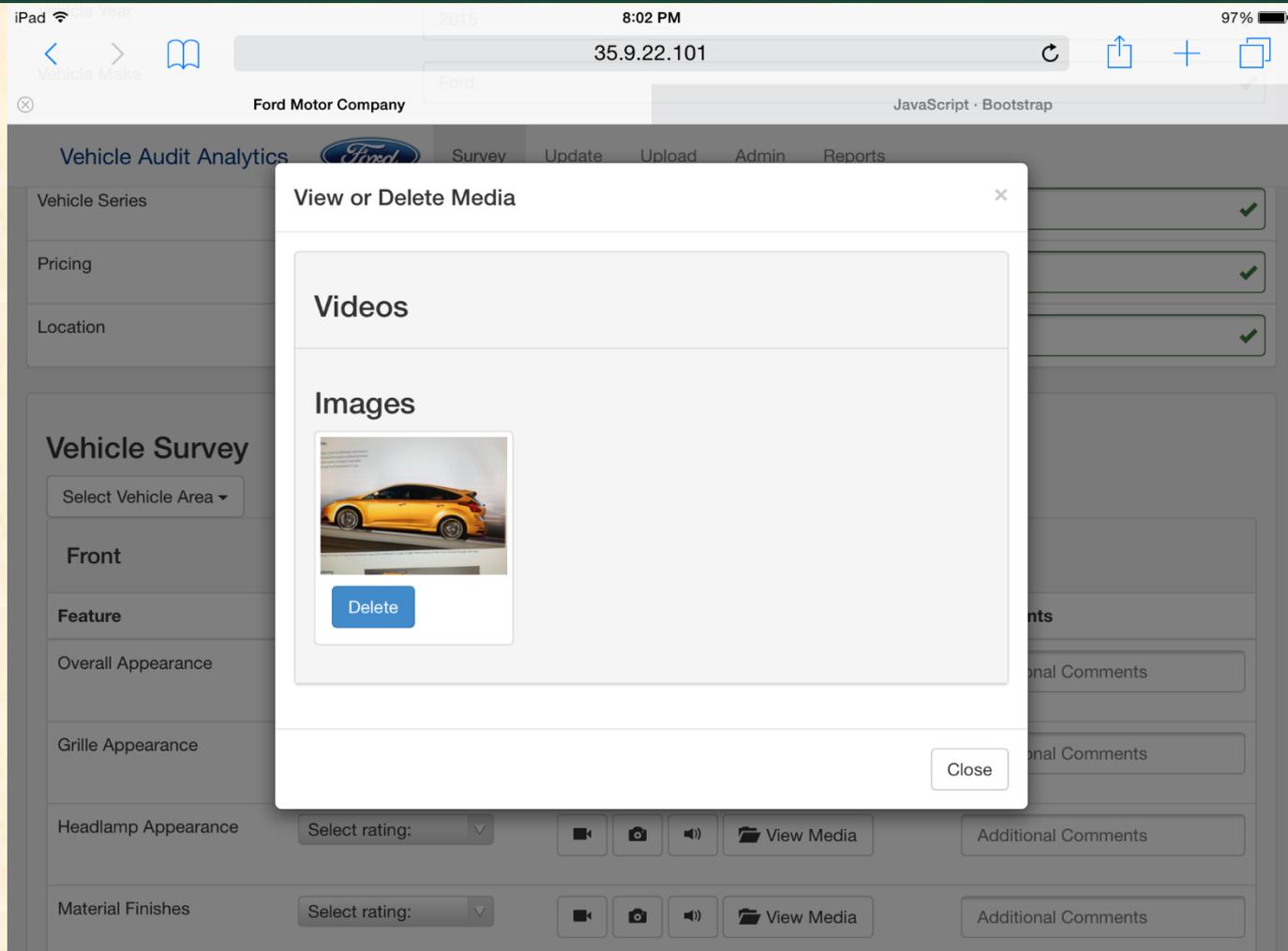
### Front

Feature	Rating	Media	Comments
Overall Appearance	Select rating: ▾	   	Additional Comments
Grille Appearance	Select rating: ▾	   	Additional Comments
Headlamp Appearance	Select rating: ▾	   	Additional Comments
Material Finishes	Select rating: ▾	   	Additional Comments
Hood Appearance	Select rating: ▾	   	Additional Comments

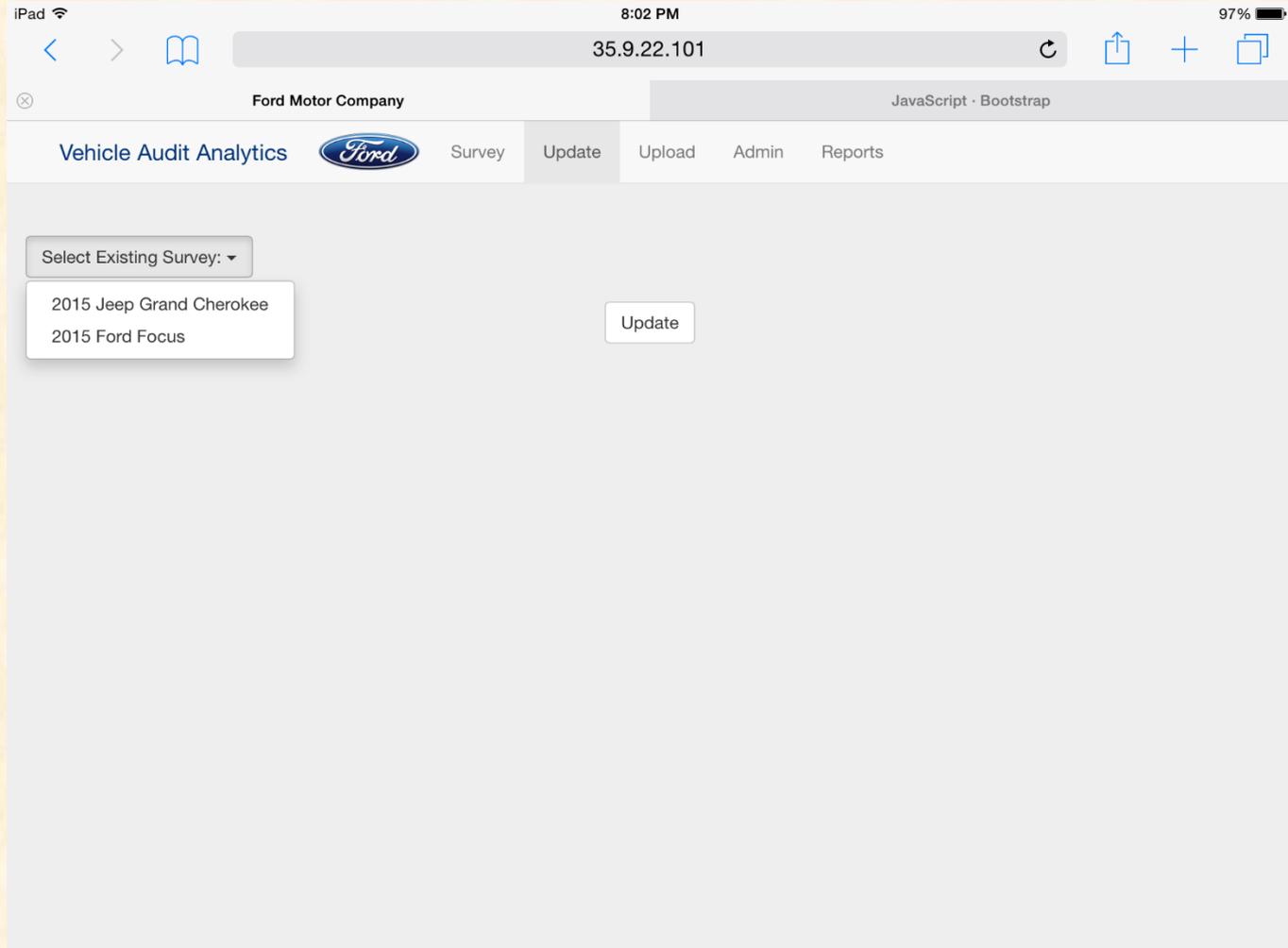
Save Survey New Survey



# View Media



# Update Tab



# Upload Tab

The screenshot shows an iPad browser interface. At the top, the status bar displays 'iPad', signal strength, Wi-Fi, the time '8:02 PM', and a battery level of '97%'. The browser's address bar shows the URL '35.9.22.101'. Below the address bar, the page title is 'Ford Motor Company' and the technology stack is identified as 'JavaScript · Bootstrap'. The application's navigation menu includes 'Vehicle Audit Analytics', the Ford logo, and tabs for 'Survey', 'Update', 'Upload', 'Admin', and 'Reports'. The 'Upload' tab is currently selected. The main content area is titled 'Pending Surveys to Upload' and contains a list of two items: '2015 Jeep Grand Cherokee' and '2015 Ford Focus', each with a purple icon. An 'Upload' button is positioned below the list.



# Admin Tab

iPad 8:02 PM 35.9.22.101 97%

Vehicle Audit Analytics  Survey Update Upload Admin Reports

### Current Surveys

Total Number of Surveys: 2

-  2015 Jeep Grand Cherokee 
-  2015 Ford Focus 

### Storage Usage

There is plenty of available space in storage.

1.02%

### Search Database

Vehicle Start Year - Vehicle End Year

Vehicle Make



# Admin Tab

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35.9.22.101 97%

Vehicle Audit Analytics Survey Update Upload **Admin** Reports

### Search Database

-

Vehicle Make

Vehicle Model

Vehicle Series

Location

**Search Results:**

- 2015 Ford Mustang
- 2015 Ford Mustang
- 2015 Ford Mustang



# Admin Tab

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Vehicle Start Year Vehicle End Year 35.9.22.101

Vehicle Audit Analytics  Survey Update Upload Admin Reports

Vehicle Model

Vehicle Series

Location

Search

Search Results:

Search Within Results

**Survey Manager**

New Section ▾

- New Section
- New Question

Create Section



# Reports Tab

iPad 8:05 PM 96%

35.9.22.101

Ford Motor Company JavaScript · Bootstrap

Vehicle Audit Analytics  Survey Update Upload Admin **Reports**

## Surveys in Database for Reporting

Vehicle Start Year - Vehicle End Year

Vehicle Make

Vehicle Model

Vehicle Series

Location

Search

Reports for Selection:

Create Report



# Reports Tab

iPad 8:06 PM 96%  
35.9.22.101

Vehicle Audit Analytics  Survey Update Upload Admin **Reports**

Vehicle Make

Vehicle Model

Vehicle Series

Location

Search

**Reports for Selection:**

- 2015 Ford Mustang
- Username: test | 2000 Jeep Grand Cherokee
- 2015 Ford Mustang
- 2015 Ford Mustang
- Username: test | 2014 Jeep Grand Cherokee
- Username: test | 2014 Jeep Grand Cherokee
- Username: o | 2002 Ford Mustang
- Username: o | 2002 Ford Mustang
- 2015 Ford Mustang

Create Report [Click Here for Excel File.](#)



# What's left to do?

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- Project Video
  - Write Script, Record Audio, Record Video
- Testing
- Project Plan