

MICHIGAN STATE

U N I V E R S I T Y

Alpha Presentation
Vehicle Audit Analytics
The Capstone Experience

Team Ford

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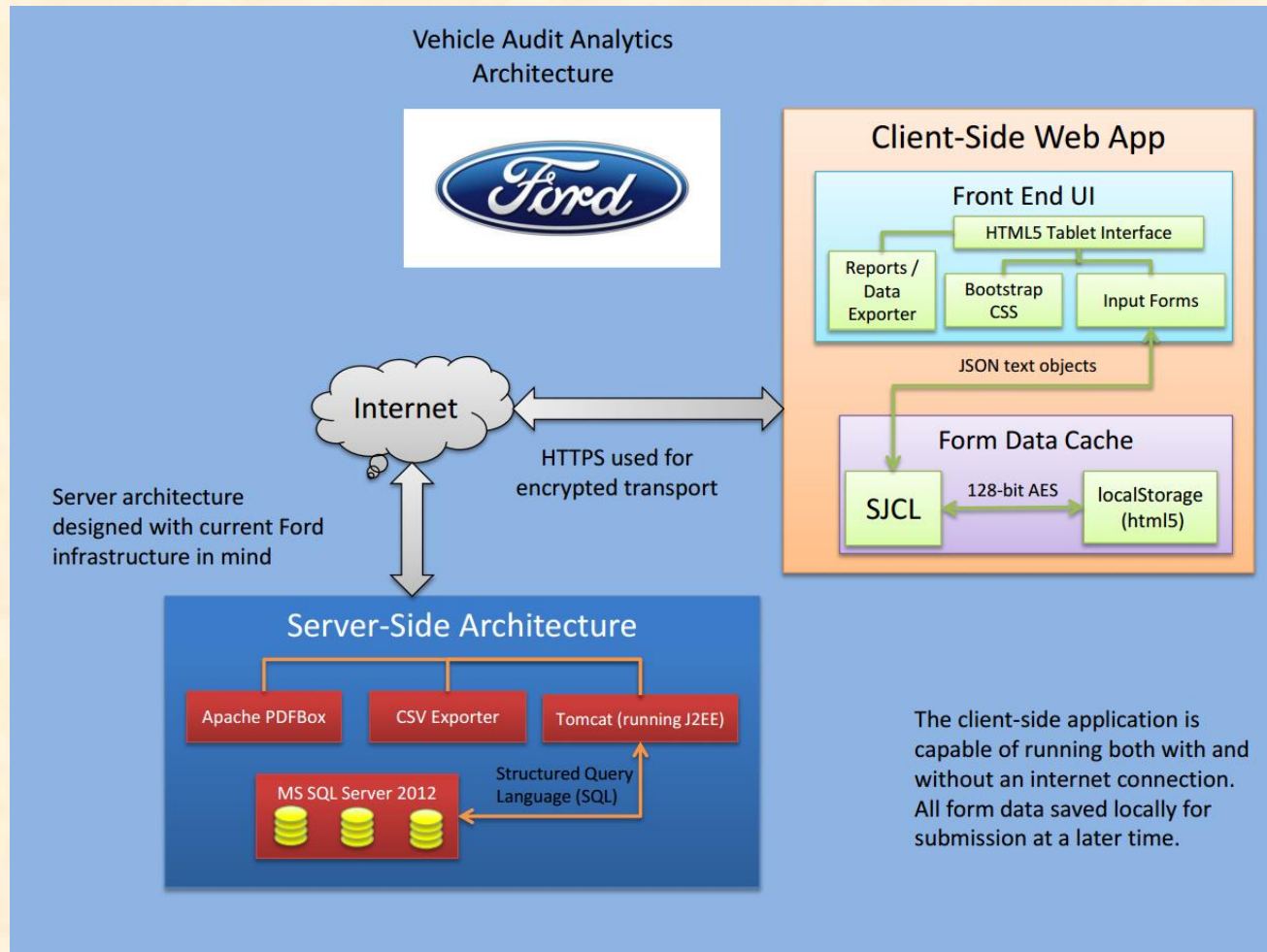
*From Students...
...to Professionals*

Project Overview

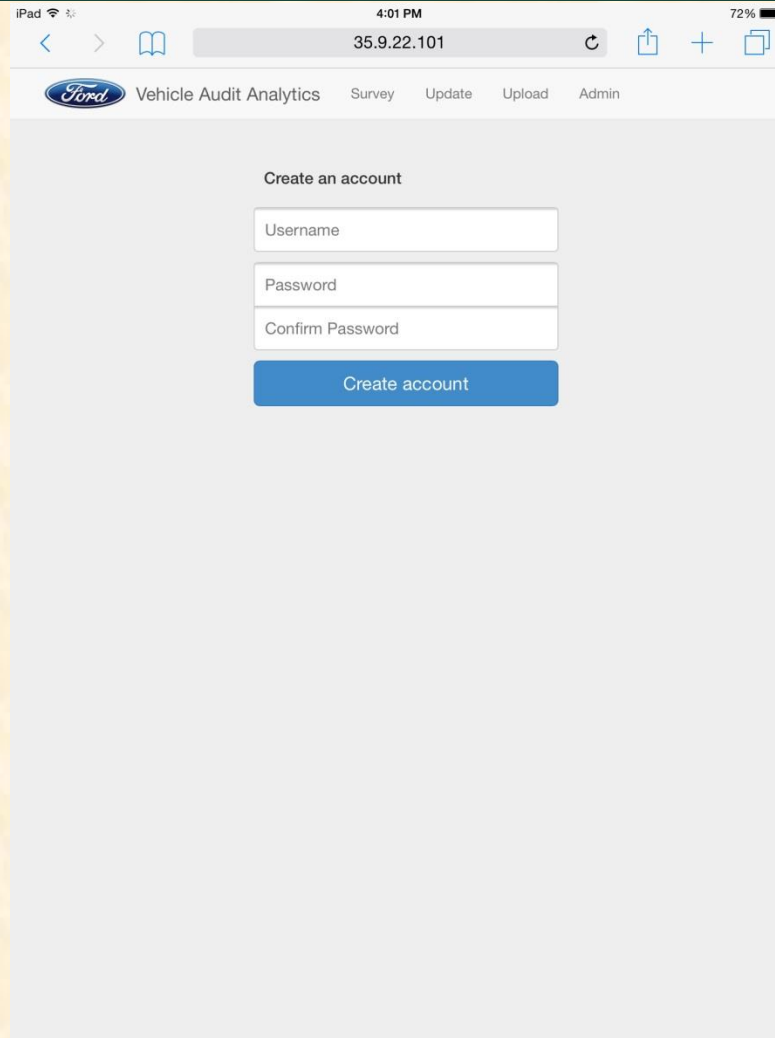
- Web Application for Ford Designers
- Compare Products Against Competitors
- Previous Process Involved Long series of Spreadsheets
- Mobile Web Application to Simplify the Process
- Decrease Audit Time and Analysis



System Architecture



Create Account Page



The screenshot shows a mobile browser interface on an iPad. The status bar at the top indicates the time is 4:01 PM and the battery is at 72%. The browser's address bar shows the URL 35.9.22.101. The page header features the Ford logo and the text 'Vehicle Audit Analytics', with navigation links for 'Survey', 'Update', 'Upload', and 'Admin'. The main content area is titled 'Create an account' and contains three input fields: 'Username', 'Password', and 'Confirm Password'. Below these fields is a blue button labeled 'Create account'.



Log In Page

The screenshot shows a mobile browser interface on an iPad. The status bar at the top indicates the time is 4:01 PM and the battery is at 72%. The browser's address bar shows the URL 35.9.22.101. The page header features the Ford logo and the text 'Vehicle Audit Analytics', with navigation links for 'Survey', 'Update', 'Upload', and 'Admin'. The main content area is a login form titled 'Please sign in'. It contains two input fields: the first is labeled 'Ford_User' and contains the text 'Ford_User'; the second is a password field with masked characters. Below the password field is a checked checkbox labeled 'Remember me'. A blue 'Sign in' button is positioned at the bottom of the form. A virtual keyboard is visible at the bottom of the screen.

Survey Page

iPad 4:00 PM 35.9.22.101 72%

Vehicle Audit Analytics Survey Update Upload Admin

Vehicle Survey

All ▾

Front

Feature	Rating	Media	Comments
Overall Appearance	Current Rating: 5 ▾		Additional Comments
Grille Appearance	Current Rating: 7 ▾		Additional Comments
Headlamp Appearance	Current Rating: 3 ▾		Additional Comments
Material Finishes	Current Rating: 5 ▾		Additional Comments

Side

Feature	Rating	Media	Comments
Overall Appearance	Current Rating: 0 ▾		Additional Comments
Window Appearance	Current Rating: 0 ▾		Additional Comments
Side Mirror Appearance	Current Rating: 2 ▾		Additional Comments
Material Finishes	Current Rating: 0 ▾		Additional Comments

Rear

iPad 4:00 PM 35.9.22.101 72%

Vehicle Audit Analytics Survey Update Upload Admin

Material Quality	Current Rating: 0 ▾		Additional Comments
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Overhead

Feature	Rating	Media	Comments
Overall Appearance	Current Rating: 2 ▾		Additional Comments
Storage	Current Rating: 1 ▾		Additional Comments
Material Quality	Current Rating: 6 ▾		Additional Comments

Trunk


Feature	Rating	Media	Comments
Overall Appearance	Current Rating: 7 ▾		Additional Comments
Storage	Current Rating: 0 ▾		Additional Comments
Material Quality	Current Rating: 0 ▾		Additional Comments

Update



Section Dropdown

iPad 3:50 PM 35.9.22.101 73%

 Vehicle Audit Analytics Survey Update Upload Admin

Vehicle Information

Vehicle Year: 2016

Vehicle Make: Jeep

Vehicle Model: Grand Cherokee













Vehicle Series: SRT

Pricing: \$68,000

Vehicle Survey

Rear ▾

- Front
- Side
- Rear
- Wheels
- Dashboard
- Center Console
- Doors
- Seats
- Overhead
- Trunk
- All


Rating	Media	Comments
Select rating: ▾	  	Additional Comments
Select rating: ▾	  	Additional Comments
Select rating: ▾	  	Additional Comments
Select rating: ▾	  	Additional Comments

Material Finishes

Save Survey

Rating Dropdown

iPad 3:56 PM 35.9.22.101 73%

 Vehicle Audit Analytics Survey Update Upload Admin

Vehicle Information

Vehicle Year: 2016

Vehicle Make: Jeep

Vehicle Model: Grand Cherokee













Vehicle Series: SRT

Pricing: \$68,000

Vehicle Survey

Select Vehicle Area ▾

Front

Feature	Rating	Media	Comments
Overall Appearance	Select rating: ▾	  	Additional Comments
Grille Appearance	Select rating: 1 (Low rating)	  	Additional Comments
Headlamp Appearance	2 3 4	  	Additional Comments
Material Finishes	5 (Medium rating) 6 7 8 9 10 (Best rating)	  	Additional Comments

Survey













One Section

iPad 3:59 PM 72%
35.9.22.101

Vehicle Survey

Front


Front

Feature	Rating	Media	Comments
Overall Appearance	8	  	Sleek look
Grille Appearance	10 (Best rating)	  	Upgraded jeep grille style
Headlamp Appearance	Select rating:	  	Additional Comments
Material Finishes	Select rating:	  	Additional Comments

Save Survey




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Q W E R T Y U I O P 


A S D F G H J K L return

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Adding a Photo

iPad 3:56 PM 35.9.22.101 73%

 Vehicle Audit Analytics Survey Update Upload Admin

Vehicle Information

Vehicle Year: 2016

Vehicle Make: Jeep

Vehicle Model: Grand Cherokee











Vehicle Series: SRT

Pricing: \$68,000

Vehicle Survey

Select Vehicle Area ▾

Front

Feature	Rating	Media	Comments
Overall Appearance	Select rating: ▾		<input type="text"/>
Grille Appearance	Select rating: ▾	  	<input type="text" value="Additional Comments"/>
Headlamp Appearance	Select rating: ▾	  	<input type="text" value="Additional Comments"/>
Material Finishes	Select rating: ▾	  	<input type="text" value="Additional Comments"/>

Save Survey













Take Photo or Video
Photo Library

Adding a Comment


Vehicle Survey

Select Vehicle Area ▾

Front




Feature	Rating	Media	Comments
Overall Appearance	8 ▾	  	Sleek look
Grille Appearance	10 (Best rating) ▾	  	Upgraded jeep grille style
Headlamp Appearance	Select rating: ▾	  	Additional Comments
Material Finishes	Select rating: ▾	  	Additional Comments

Save Survey

Q W E R T Y U I O P 

A S D F G H J K L return

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Update Page Existing Survey Dropdown

Vehicle Audit Analytics | Survey | Update | Upload | Admin

Select Existing Survey: ▾

- 2015 Jeep Cherokee
- 2015 Porsche Cayenne

Vehicle Information

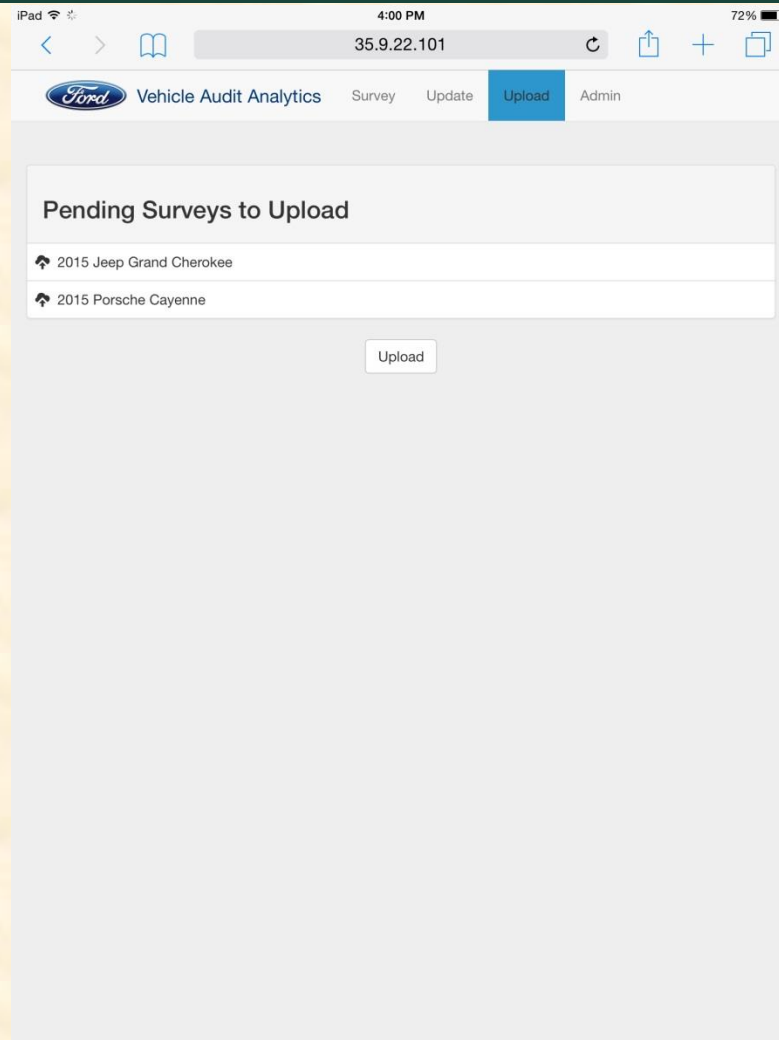
Vehicle Year	2015
Vehicle Make	Jeep
Vehicle Model	Grand Cherokee
Vehicle Series	SRT
Pricing	50,000

Vehicle Survey

Select Vehicle Area ▾

Update

Upload Page



Admin Page

The screenshot displays the Admin Page of the Ford Vehicle Audit Analytics application on an iPad. The interface includes a top navigation bar with the Ford logo and menu items: Survey, Update, Upload, and Admin. The Admin page is divided into two main sections: 'Current Surveys' and 'Storage Usage'. The 'Current Surveys' section lists two active surveys: '2015 Jeep Grand Cherokee' and '2015 Porsche Cayenne'. The 'Storage Usage' section features a yellow warning banner that reads 'Warning! Upload Soon' and a progress bar indicating that storage is 85% full.

What's left to do?

- Send Media to Server
- LDAP Integration
- HTTPS Integration
- Implement Cache Code with Front End Code
- Update or Delete Surveys In the Server

