Alpha Presentation
Ford Mobility Product Metrics

The Capstone Experience
Team Ford

Samuel Wakeman
Romi Yun
Yangkai He
Weilin Liang

Department of Computer Science and Engineering
Michigan State University
Fall 2019
Project Overview

• Monitor Ford products and websites closely
• Store usage metrics to give a better customer experience
• Create a WebEx Teams chatbot to provide product metrics updates
• Create a dashboard to Visualize those metrics
System Architecture
Traffic
Saturation
Latency

Error Tracking

Ford API Dashboard
Errors

![Ford API Dashboard](image-url)

**Maximum Latency (in Seconds)**

- **2019-10-13 15:40:00**
  - Column1: 45
Pixel Tracker
WebEx Teams Chatbot

You: Yesterday, 4:36 PM

Hi!

Ford-Assistant: Yesterday, 4:36 PM

Hello from the other side!

You: Yesterday, 4:36 PM

What is the most called operation?

Ford-Assistant: Yesterday, 4:36 PM

Your most called operation is GetVehicle

You: Yesterday, 4:36 PM

What are my five least called APIs?

Ford-Assistant: Yesterday, 4:36 PM

Your 5 least called operations are fordpass-recall-service-api, tyler-test, vehicles, sessions, client-gateway-users

You: Yesterday, 4:36 PM

Thank you!

Ford-Assistant: Yesterday, 4:36 PM

You are welcome!
What’s left to do?

• Create an Admin portal for the dashboard
• WebExTeams Chatbot
  ▪ Add More Commands
  ▪ Reports Dispatcher
  ▪ Add Alerts
• Create Slack bot using the same engine
Questions?