



Project Plan Presentation

A-O Merch Search

The Capstone Experience

Team Auto Owners

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

Project Sponsor Overview

- Mutual insurance company that offers life, home, auto, and business insurance
- Recognized nationally as one of the top companies for claim handling
- Headquartered in Lansing, Michigan

Auto-Owners
INSURANCE



Project Functional Specifications

- Improve Process of Purchasing of A-O Merchandise for A-O associates.
 - By Replacing their Pen-and-Paper System
 - With an Easy-to-Use Web App
- Provide A-O administrators with insight about what items associates are purchasing.
 - With an easy-to-use analytics page
 - e.g. What was the most sold shirt last month?
- All this will mitigate disorganization throughout the ordering process.



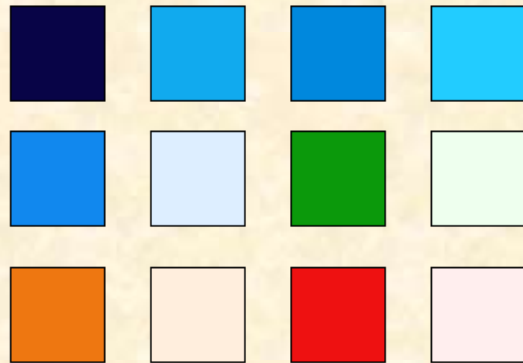
Project Design Specifications

- React Web Application
- Pages Displaying all Merchandise and Each Item
- With the Ability to Add to Cart, Change Size and Quantity
- Administrative Dashboard that Visualizes Sales Analytics
- Conforms to Auto Owners Style Guide

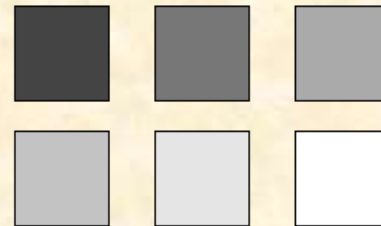


Screen Mockup: Color Scheme

Main Colors



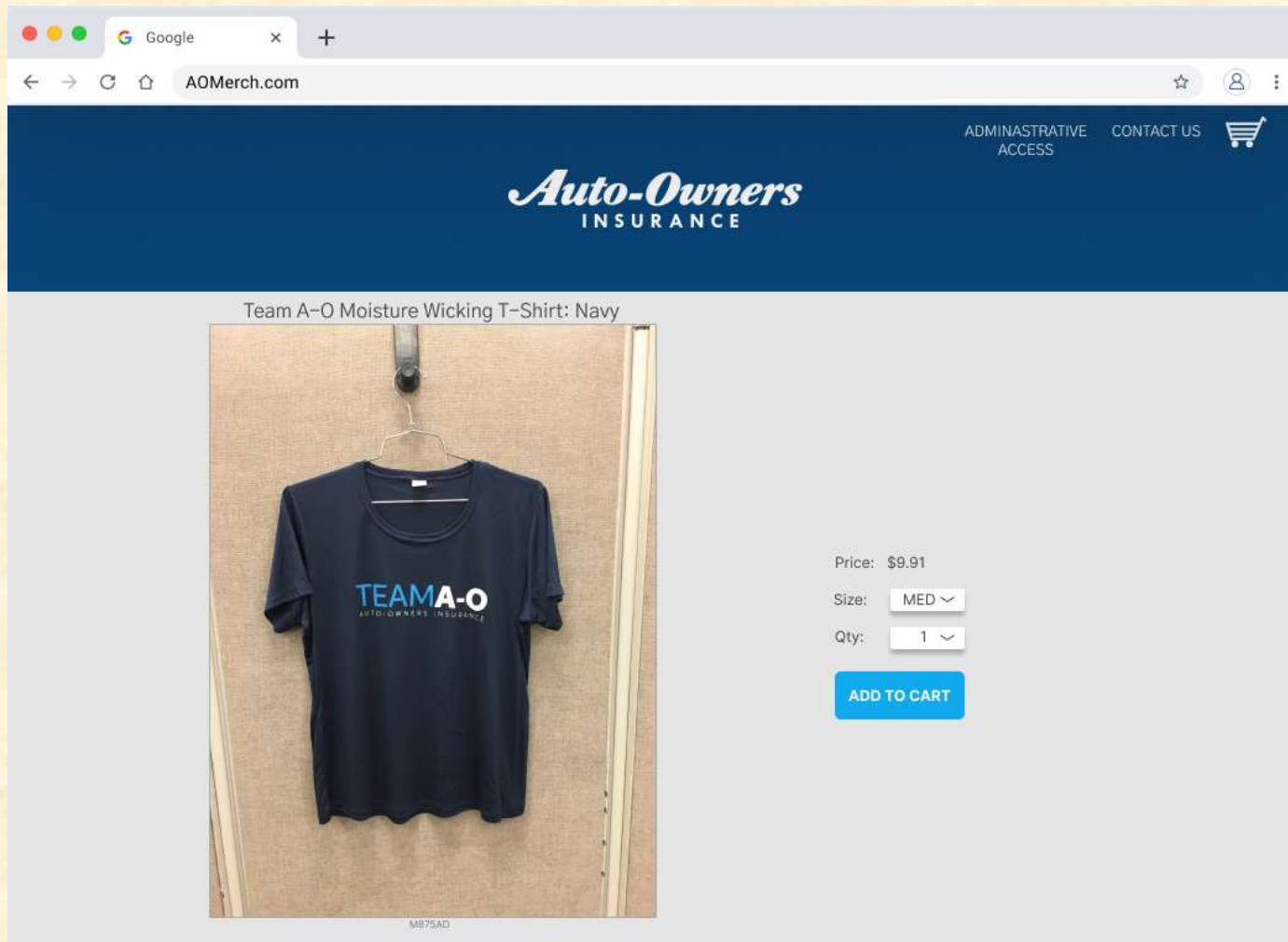
Shades



Screen Mockup: Catalog Page



Screen Mockup: Item Page



Screen Mockup: Checkout Page

Auto-Owners
INSURANCE
LIFE • HOME • CAR • BUSINESS

[← Continue Shopping](#) Checkout

 Insulated Cooler
Quantity: 1
\$29 [Remove](#)

 Himalayan Tumbler
Quantity: 1
\$18 [Remove](#)

Payment

Card Number

First Name Last Name

Expiration Date CVV

Shipping Information

Shipping Address

First Name Last Name

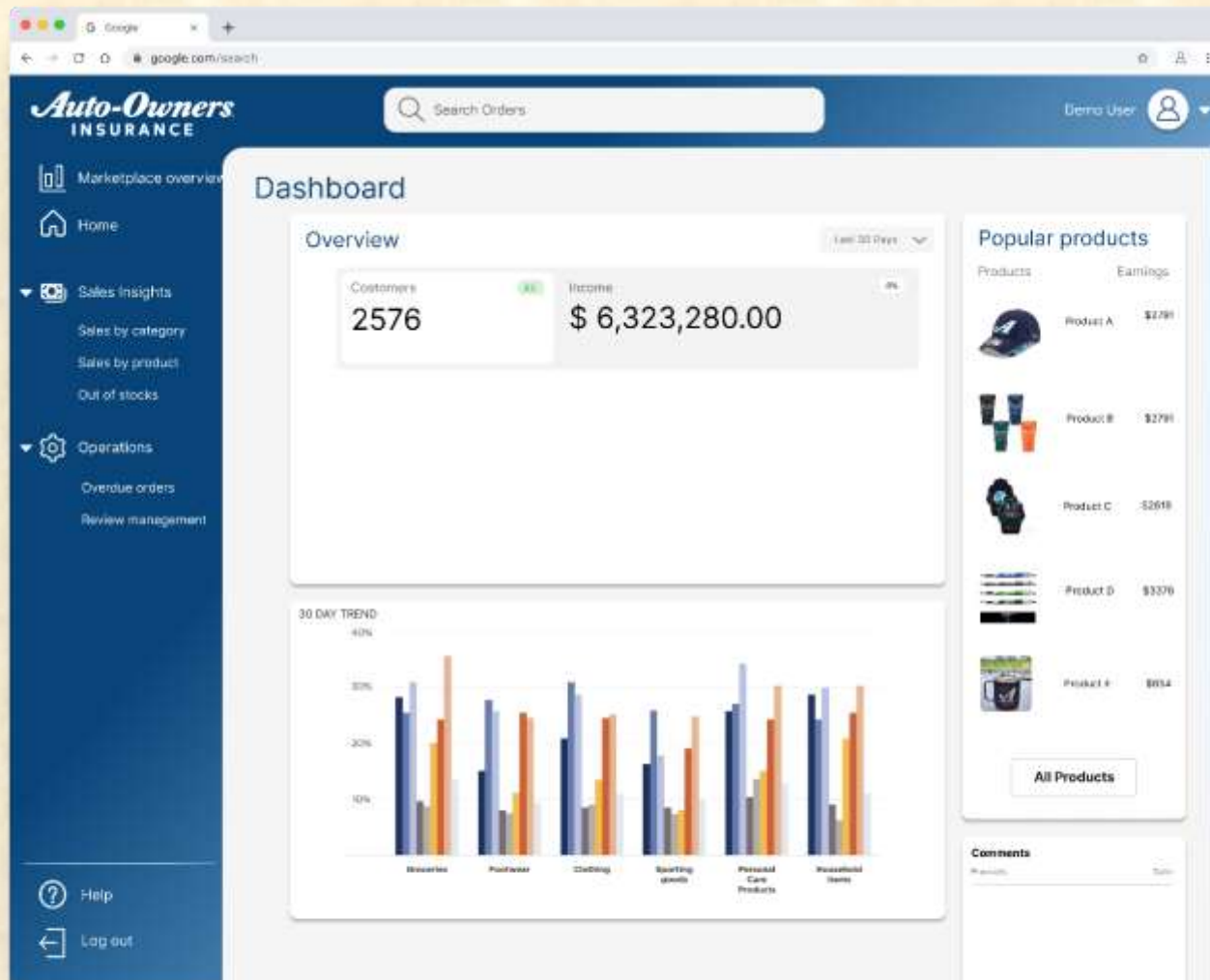
Phone Number Email

Subtotal:
Estimated Tax:
Total:

[SUBMIT PAYMENT](#)



Screen Mockup: Dashboard

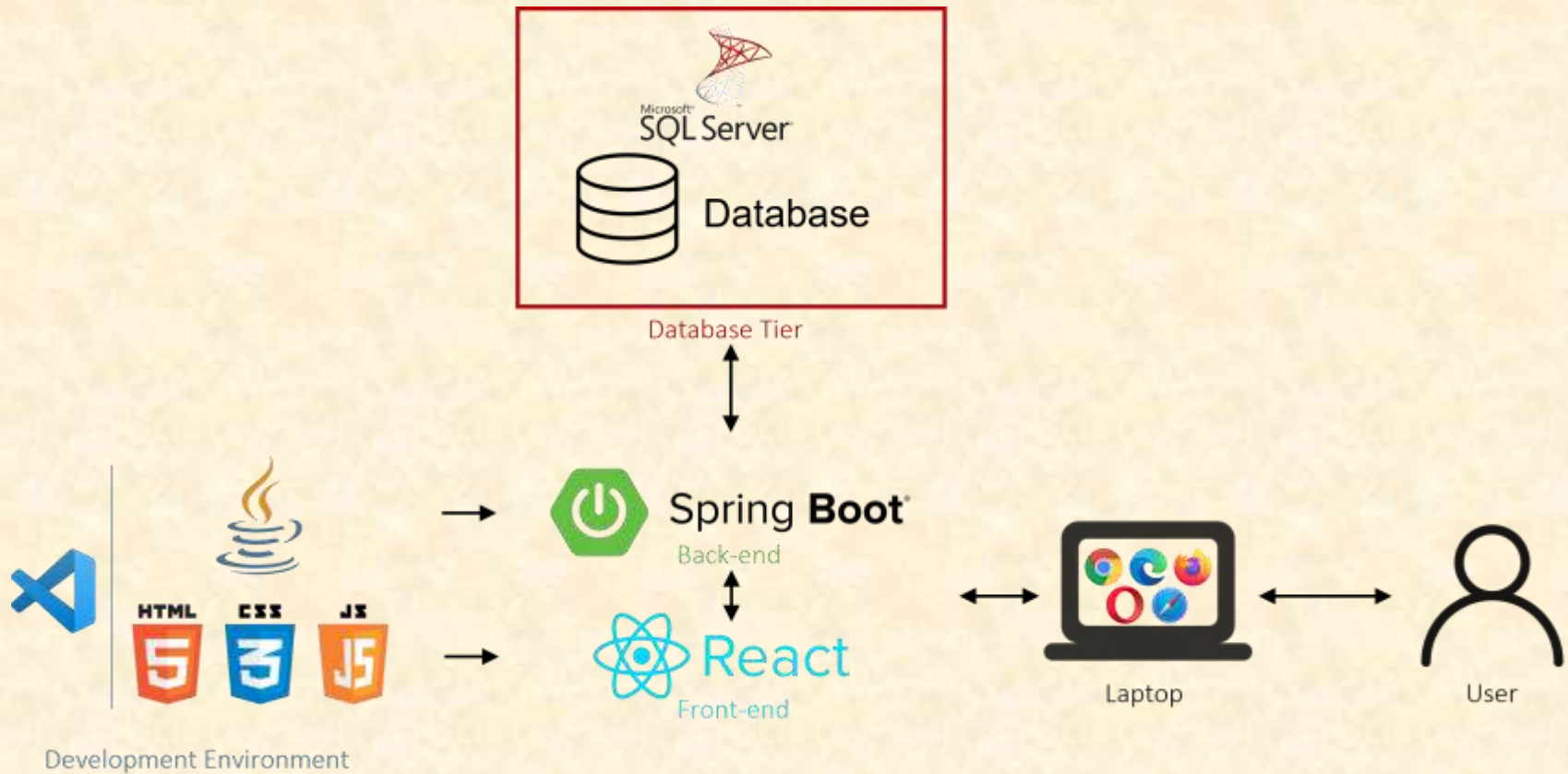


Technical Specifications

- React
- Spring Boot
- HTML/CSS/JavaScript
- Microsoft SQL Server



System Architecture



System Components

- Hardware Platforms
 - Dell PowerEdge R210 Server
- Software Platforms / Technologies
 - React
 - Spring Boot



Risks

Risks

- Storing payment information
 - Users will have the ability to check out and purchase the items in their shopping cart. We need to do this without obtaining any sensitive information such as their credit card number.
 - Our application will mock the payment portion and we won't store any payment information anywhere and we won't attempt to authorize or charge a card.
- Saving user input from the frontend to the database
 - We are obtaining user information during profile creation and when an order is placed. This information must be sent from the React app to the Microsoft SQL database we are running.
 - To mitigate this risk, our project will use Spring Boot which will communicate with both the front-end and the back-end. Using Spring Boot, the user input can be stored in the database through querying the database.
- Creating an application that is easy to use
 - Our application will be used by Auto Owners associates with varying levels of technology experience and online shopping experience.
 - We are building the application with the assumption that the end user is not a tech savvy individual. We are also demoing the application to our client to ensure it's a product that can be used by associates.



Questions?

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