




JRMJ

Elegant Shoes for Elegant People

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Concept/Motivation for Development

A place where only elegant shoes existed for purchase online-- this was the dream. Anyone interested in high-end shoes will be able to find great choices without traversing through multiple websites.

As such, the concept of this project is the following:

- As a Shoe Aficionado
- I want to have an online store that has high-end shoes
- So that I can share my personally sourced, high class shoes with other like-minded buyers

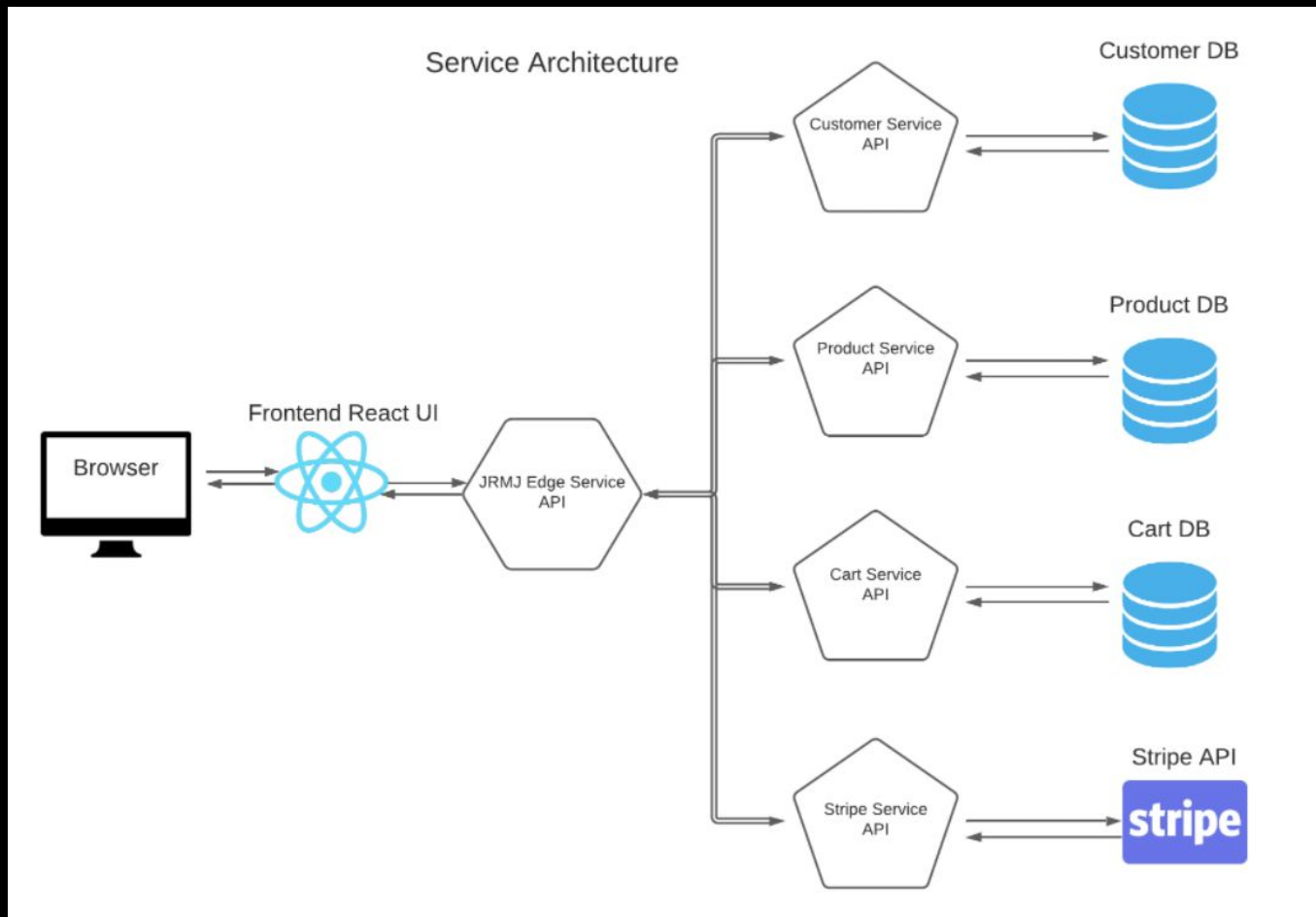
UI Mock-up

We started with a basic plan as to what we wanted the application to look like.

We wanted a clean and simple UI to begin with, as typically on higher-end websites, that's the design model.

We used DrawIO to create a visual representation of what we wanted our website application to look like.

Architectural Design



Data Model / Database Design

Product MS

Shoes	
PK	<u>shoeld int NOT NULL AUTO_INC</u>
	brand VARCHAR NOT NULL
	shoe_name VARCHAR NOT NULL
	price DECIMAL(10,2) NOT NULL
	category VARCHAR NOT NULL
	image_url VARCHAR NOT NULL

Customer MS

Customers	
PK	<u>id int</u>
	customer_name char(50) NOT NULL
	first_name VARCHAR
	last_name VARCHAR
	password VARCHAR
	phone_number VARCHAR
FK	address_billing INT
FK	address_shipping INT

Cart MS

Shoes	
PK	<u>id int AUTO-INC NOT NULL</u>
	image_url VARCHAR NOT NULL
	price DECIMAL (10,2)
	quantity INT
FK	shoe_id INT
FK	customer_id INT

Address

PK	<u>id int</u>
	city VARCHAR
	state_abv VARCHAR
	street1 VARCHAR
	street2 VARCHAR
	zip_code VARCHAR

Technologies Used

- Java
- Spring Boot/Data JPA
- MySQL
- React
- Redux
- Chakra UI
- Material UI
- Stripe
- Git
- ParseHub



Challenges

- Implementing Stripe
- Time Constraints
- Remembering how to utilize a lot of the React/Redux



Successes

- Microservice architecture: (Total of three) Products, Customers, and Stripe
- Design Implementation
- Communication/Team work



Demo Time



Future Development

- Multi-page results instead of all results on one page
- Authentication / Authorization
- Multiple filtering options (by brand, by price, by keyword, not just men's, women's)
- More flashy design for homepage leading with the shop page being separate.
- Sizes for shoes ...

Links

Github

<https://github.com/perez-rob/java-Cognizant-Final-Project>



Questions?

