



Knight Foundation School of Computing & Information Sciences

Fall 2024 Senior Design Project

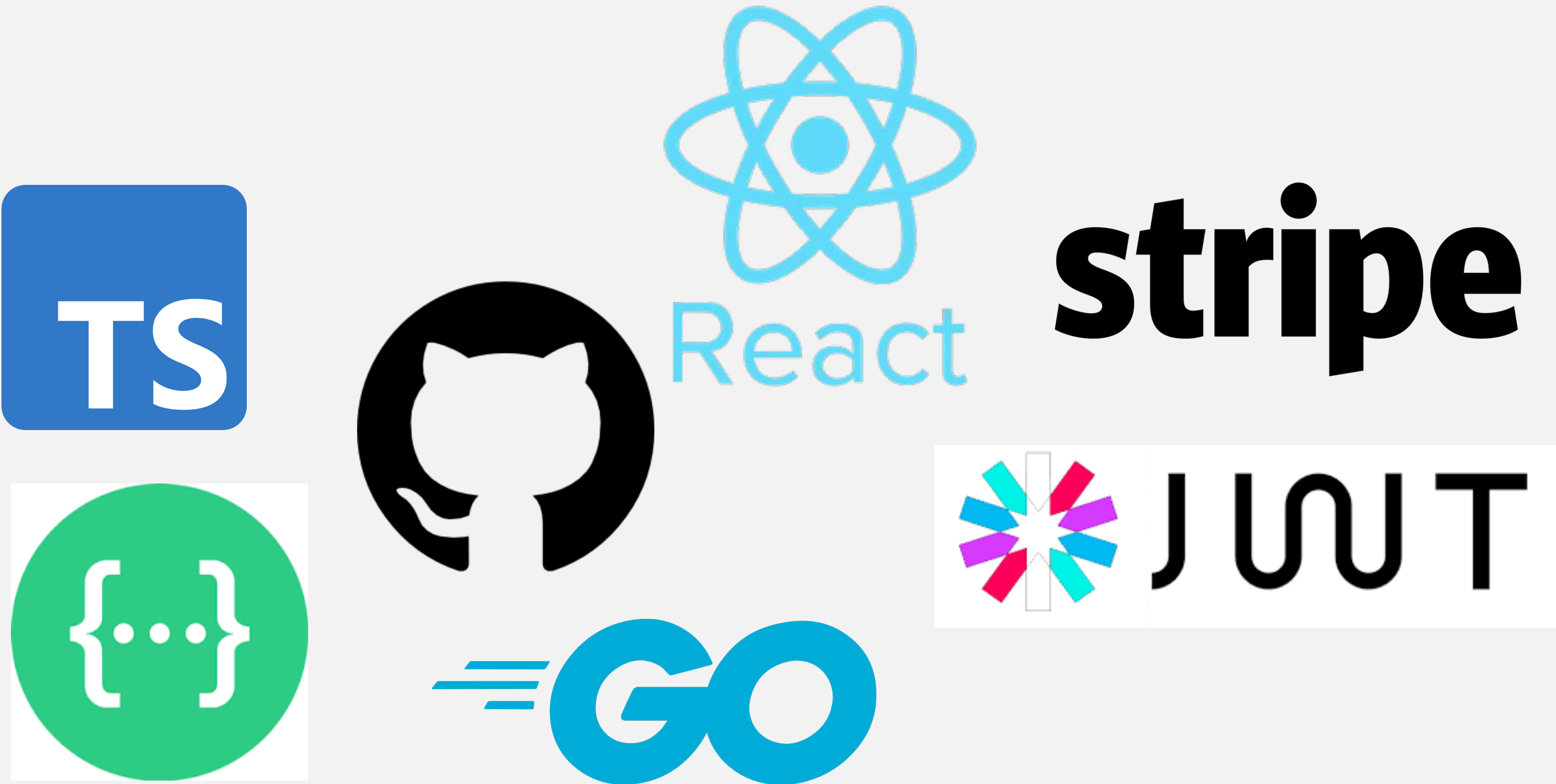
Sockify



Students: Charlotte Williams
GitHub: <https://github.com/sockify/sockify>
Instructor/Faculty: Masoud Sadjadi, Florida International University

What is Sockify?

- Modern e-commerce web application focused on providing a seamless shopping experience for socks.
- Combines secure JWT authentication, real-time data updates, and Stripe payment integration to deliver reliability and convenience for customers and administrators.
- Built with a TypeScript-React frontend and a Go backend



Tech Stack

Individual UI Contributions

Checkout Page

- Developed a user-friendly checkout page to simplify the final steps of the shopping process.
- Implemented an intuitive layout that allows users to effortlessly input their information before proceeding to the payment page.

Admin Inventory Page

- Built an Admin Inventory page to enable seamless viewing and management of inventory items
- Integrated backend connectivity to dynamically fetch and display product data, ensuring accurate inventory status updates
- Added functionality for admins to delete products directly through the UI

Cart Page

- Created a cart page to display individual shopping cart items, including details such as product name, size, price, quantity and image.
- Optimized the layout for responsive design, ensuring a mobile-friendly experience

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Checkout

First Name

Last Name

Charlotte

Williams

Email

123test@gmail.com

Phone

1234567890

Street address

123 fake street

Apartment/unit (optional)

City

State

Zipcode

Miami

Florida

12345

Shipping information and order updates will be sent to your email address.

Pay with Stripe

Checkout Page

Individual Backend Contributions

Database

- Created the orders database table to track customer purchases

POST /socks

- Created an endpoint for admins to add new socks to the inventory.

DELETE /socks/:sock_id

- Implemented an endpoint for admins to delete socks by their ID.
- Deletes the sock and all its variants

PATCH /orders/:order_id/address

- Built an endpoint for admins to update order addresses.
- Logged updates in an order update history table and enforced admin-only access.

GET /orders/invoice/:invoice_number

- Developed an endpoint to retrieve order details using an invoice number.

Inventory dashboard						+ Add sock
Q Search by product name or ID			Filter by category			
Image	ID	Name	Avg. Price	Stock	Actions	
	1	Classic Black [Socs]	\$10.49	360		
	2	Sporty pW.	\$13.49	410		
	3	Striped Pattern Socks	\$8.49	550		
	4	Cozy Wool Sox	\$15.49	180		
	5	Colorful Ankle [Trio]	\$6.49	700		

Admin Inventory Page

Your cart

Classic Black [Socs]
Size: S
\$9.99

-

2

+

Uptown Sox
Size: S
\$8.99

-

1

+

Striped Pattern Socks
Size: S
\$7.99

-

1

+

Subtotal:

\$36.96

Proceed to checkout

Cart Page

ACKNOWLEDGEMENT

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