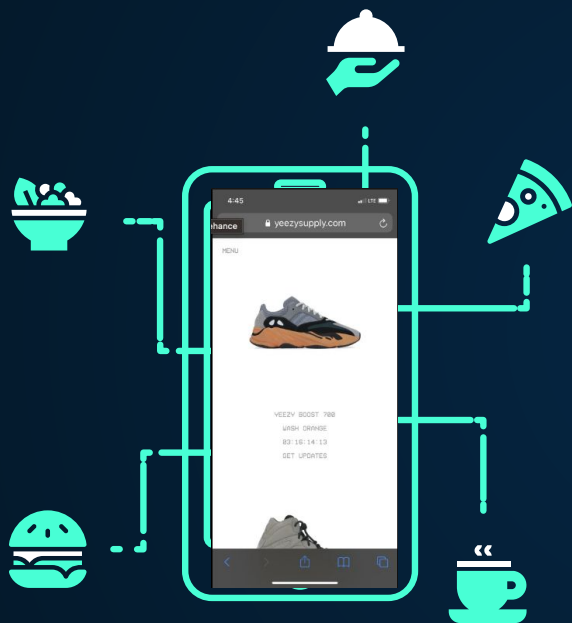




Full-Stack E-commerce Website Presented by Ercel Williams

ENT Culmination SPRING 2023



ABOUT THE PROJECT

- improve HTML/CSS/JS skills
- Wanted to recreate "Yeezy Supply"
- Interest in making an ecommerce site
- Wanted experience working with APIs
- Remotely host website

... WE BILLING AND DELIVERY INFORMATION AND THE SHOP.

BILLING ADDRESS

FIRST NAME * LAST NAME *

FIRST LINE OF ADDRESS *

ADDITIONAL INFO

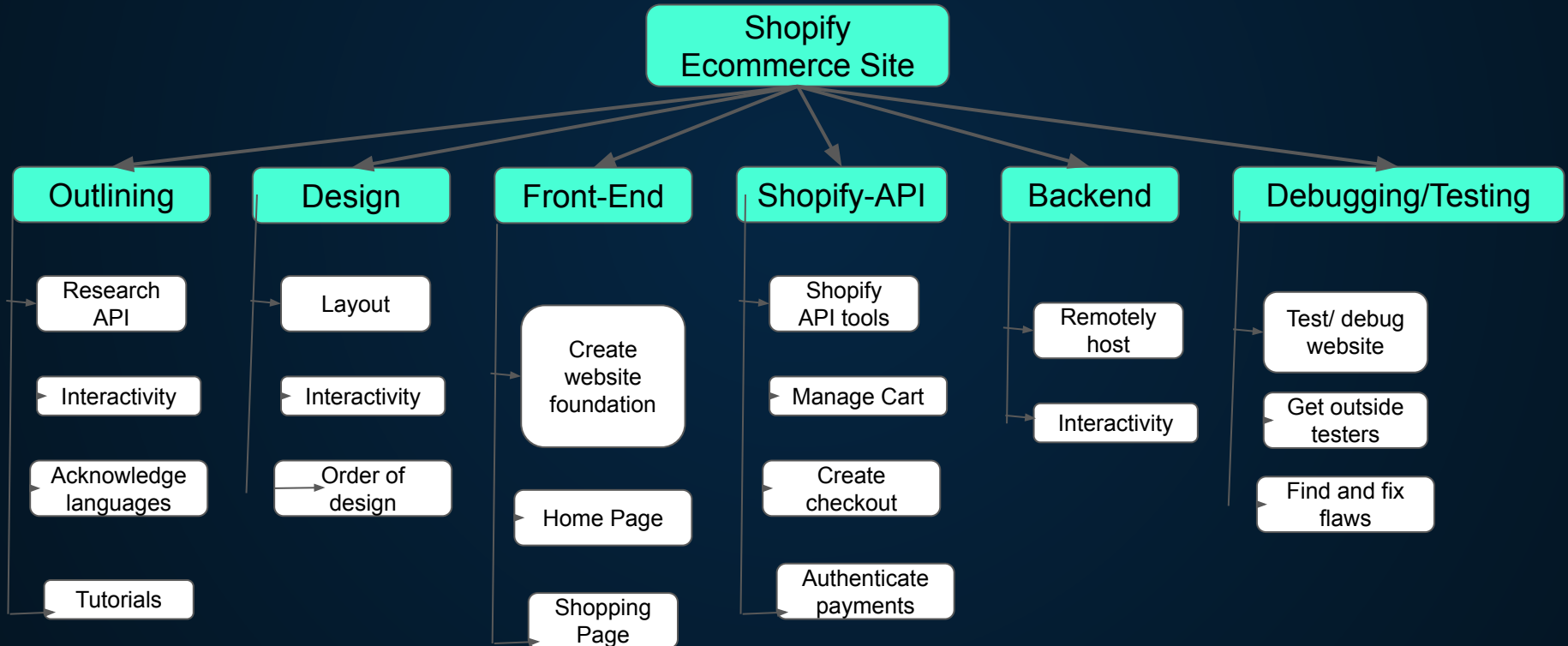
APARTMENT, SUITE, UNIT, BUILDING, FLOOR (OPTIONAL)

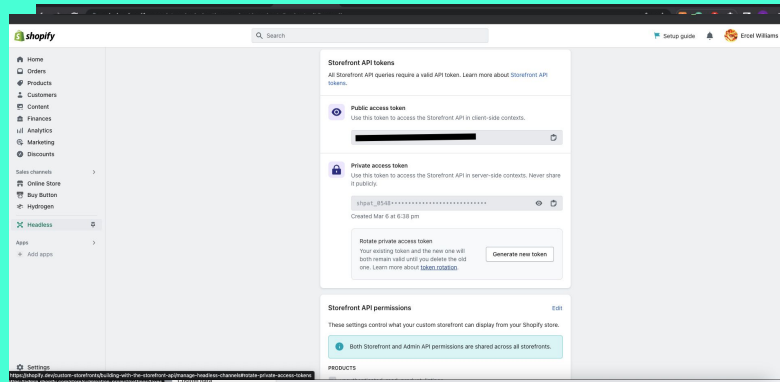
CITY * STATE *

ZIP CODE * COUNTRY: US

PHONE: (OPTIONAL) *

Work Breakdown Structure





Getting started

Shopify Admin



```

1 import Client from 'shopify-buy';
2
3 // Initializing a client to return content in the store's primary language
4 const client = Client.buildClient({
5   domain: 'culmination-project.myshopify.com',
6   storefrontAccessToken: "E8097F0C3DCEA7BDEE107F82-6001121";
7 });
8
9 const clientWithTranslatedContent = Client.buildClient({
10   domain: 'culmination-project.myshopify.com',
11   storefrontAccessToken: "E8097F0C3DCEA7BDEE107F82-6001121",
12   language: 'en-US'
13 });
14
15 client.collection.fetchAllWithProducts().then((collections) => {
16   // Do something with the collections
17   console.log(collections);
18   console.log(collections[0].products);
19 });
20
21 let p = client.collection.fetchAll().catch((error) => {
22   console.error(error);
23 });
24
25 console.log(p);
26
27
28 // const productId = 'gid://shopify/Product/1676910477807';
29 // client.product.fetch(productId).then((product) => {
30 //   // Do something with the product

```

Initial Stack



HTML/CSS



Javascript/ Node JS



Express



New Stack



Hydrogen/ReactJS



Oxygen/ Vercel



ADAPTABILITY





Second Trial

```
tailwind.config.js U  JS postcss.config.js U  package.json U  app.css .../app... U  app.css styles U X  JS server.js U  Layout.jsx U  ...

styles > # app.css
1 @tailwind base;
2 @tailwind components;
3 @tailwind utilities;
4
5 @layer components {
6   /* New component styles can go here */
7 }
8
```

```
ercelwilliams@MacBook-Pro Shopify-Store % npm run dev
> hello-world@0.0.0 dev
> npm run buildcss && concurrently -g -r npm:devcss "shopify hydrogen d
ev"

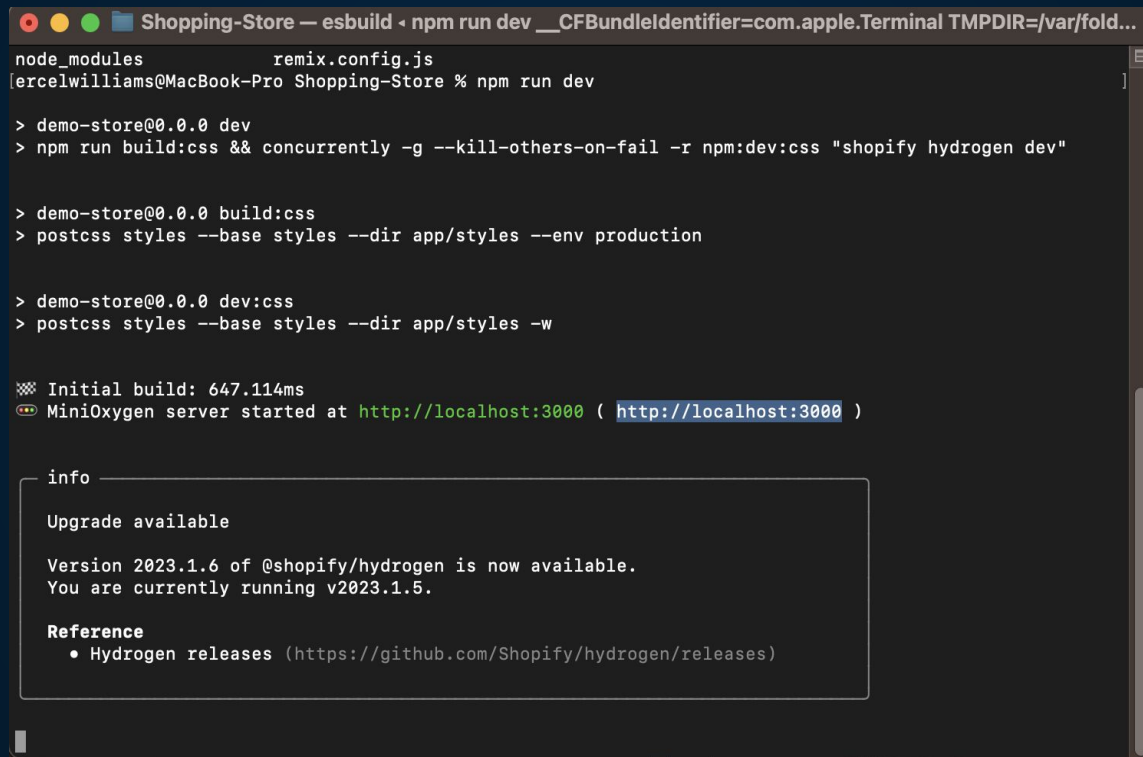
> hello-world@0.0.0 buildcss
> postcss styles --base styles --dir app/styles --env production

Input Error: You must pass a valid list of files to parse
ercelwilliams@MacBook-Pro Shopify-Store %
```

Created Tailwind CSS config file: tailwind.config.js
ercelwilliams@MacBook-Pro Shopify-Store %
history:ctrl+o

Ln 8, Col 1, Spaces: 2, UTF-8, LF, PostCSS, Go Live

Debugging & Local Host Testing



```
Shopping-Store — esbuild · npm run dev __CFBundleIdentifier=com.apple.Terminal TMPDIR=/var/fold...
node_modules      remix.config.js
[ercelwilliams@MacBook-Pro Shopping-Store % npm run dev

> demo-store@0.0.0 dev
> npm run build:css && concurrently -g --kill-others-on-fail -r npm:dev:css "shopify hydrogen dev"

> demo-store@0.0.0 build:css
> postcss styles --base styles --dir app/styles --env production

> demo-store@0.0.0 dev:css
> postcss styles --base styles --dir app/styles -w

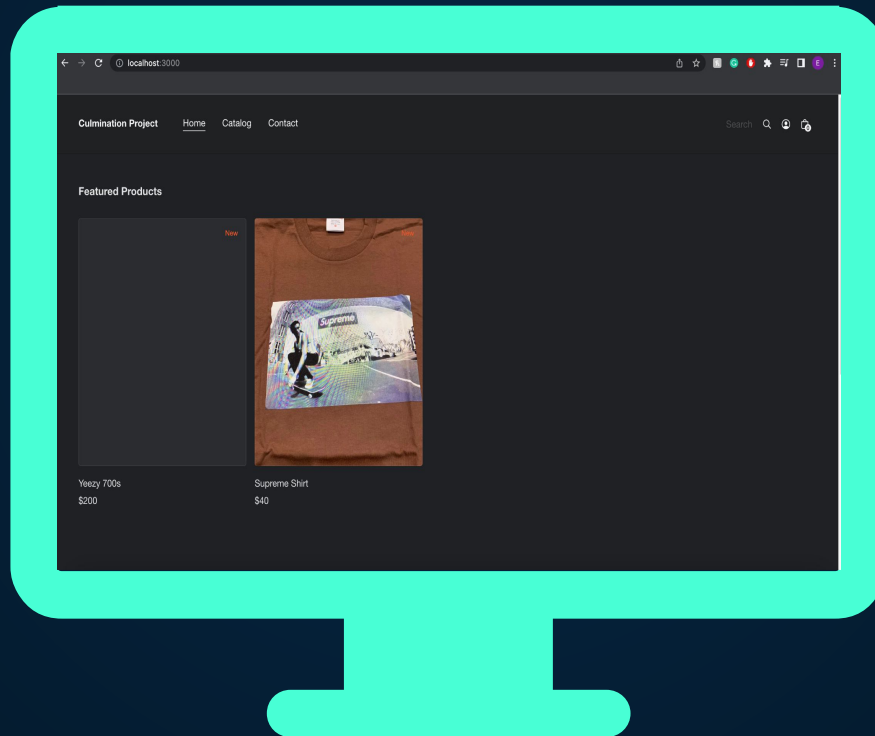
⚡ Initial build: 647.114ms
🔗 MiniOxygen server started at http://localhost:3000 ( http://localhost:3000 )

info
Upgrade available

Version 2023.1.6 of @shopify/hydrogen is now available.
You are currently running v2023.1.5.

Reference
• Hydrogen releases (https://github.com/Shopify/hydrogen/releases)
```

SNEAK PEEK

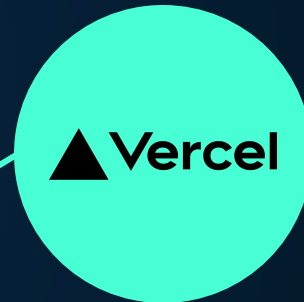


Deployment



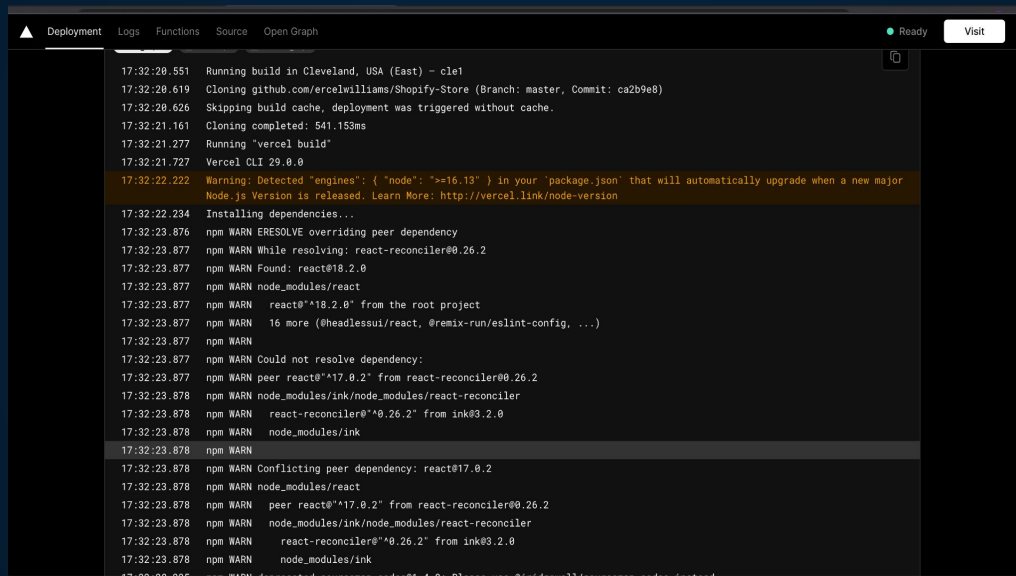
GitHub for web-based
platform for version
control

Shopify Admin to
track/receive orders and
site engagement



Vercel for cloud
serverless functions.

Vercel Deployment Dashboard



The screenshot displays the Vercel Deployment Dashboard interface. At the top, there are tabs for 'Deployment', 'Logs', 'Functions', 'Source', and 'Open Graph'. The 'Deployment' tab is active, showing a deployment status of 'Ready' with a green dot and a 'Visit' button. Below the tabs, a log of deployment events is visible. The log includes timestamps and messages such as 'Running build in Cleveland, USA (East) - cle!', 'Cloning github.com/ercelwilliams/Shopify-Store (Branch: master, Commit: ca2b9e8)', 'Skipping build cache, deployment was triggered without cache.', 'Cloning completed: 541.153ms', 'Running "vercel build"', 'Vercel CLI 29.0.0', and a warning about the Node.js version in the package.json. The log also shows npm warnings related to dependency resolution, including 'npm WARN ERESOLVE overriding peer dependency' and 'npm WARN Could not resolve dependency: react@17.0.2'.

```
▲ Deployment Logs Functions Source Open Graph Ready Visit
17:32:28.551 Running build in Cleveland, USA (East) - cle!
17:32:28.619 Cloning github.com/ercelwilliams/Shopify-Store (Branch: master, Commit: ca2b9e8)
17:32:28.626 Skipping build cache, deployment was triggered without cache.
17:32:21.161 Cloning completed: 541.153ms
17:32:21.277 Running "vercel build"
17:32:21.727 Vercel CLI 29.0.0
17:32:22.222 Warning: Detected "engines": { "node": ">=16.13" } in your "package.json" that will automatically upgrade when a new major
Node.js Version is released. Learn More: http://vercel.link/node-version
17:32:22.234 Installing dependencies...
17:32:23.876 npm WARN ERESOLVE overriding peer dependency
17:32:23.877 npm WARN While resolving: react-reconciler@0.26.2
17:32:23.877 npm WARN Found: react@18.2.0
17:32:23.877 npm WARN node_modules/react
17:32:23.877 npm WARN   react@"18.2.0" from the root project
17:32:23.877 npm WARN   16 more (@headlessui/react, @remix-run/eslint-config, ...)
17:32:23.877 npm WARN
17:32:23.877 npm WARN Could not resolve dependency:
17:32:23.877 npm WARN peer react@"17.0.2" from react-reconciler@0.26.2
17:32:23.878 npm WARN node_modules/ink/node_modules/react-reconciler
17:32:23.878 npm WARN   react-reconciler@"0.26.2" from ink@3.2.0
17:32:23.878 npm WARN   node_modules/ink
17:32:23.878 npm WARN
17:32:23.878 npm WARN Conflicting peer dependency: react@17.0.2
17:32:23.878 npm WARN node_modules/react
17:32:23.878 npm WARN   peer react@"17.0.2" from react-reconciler@0.26.2
17:32:23.878 npm WARN   node_modules/ink/node_modules/react-reconciler
17:32:23.878 npm WARN     react-reconciler@"0.26.2" from ink@3.2.0
17:32:23.878 npm WARN     node_modules/ink
17:32:23.878 npm WARN deprecated react-reconciler@0.26.2: Use the react-reconciler package instead
```



Results

Information - Culmination Project

Information - Culmination Project

culmination-project.myshopify.com/checkouts/cn/c1-29f3d4ba40cc587afc64e433b7a0b28/information

Culmination Project

Information > Shipping > Payment

Contact

☐ Email me with news and offers

Shipping address

Country/Region

United States

First name (optional)

Last name

Address

Apartment, suite, etc. (optional)

City

State

ZIP code

☐ Save this information for next time

Continue to shipping

1

Supreme Shirt

\$40.00

Subtotal

\$40.00

Shipping

Calculated at next step

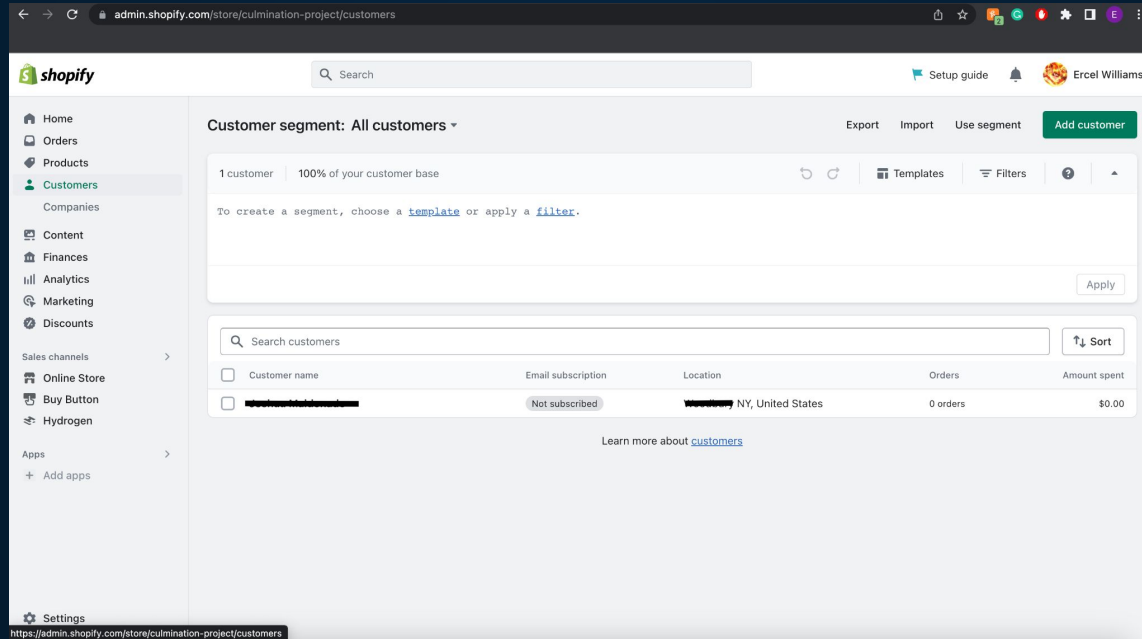
Total

USD \$40.00

- shopify-store-ercelwilliams.vercel.app
- shopify-store-ashy.vercel.app
- shopify-store-git-master-ercelwilliams.vercel.app

A square QR code with a black and white pixelated pattern, used for quick access to the online store.

Admin Side



The screenshot shows the Shopify Admin interface for the 'culmination-project' store. The 'Customers' section is active, displaying a customer segment for 'All customers'. The interface includes a sidebar with navigation links, a top bar with search and user information, and a main content area with a customer list table.

Customer segment: All customers (1 customer | 100% of your customer base)

To create a segment, choose a [template](#) or apply a [filter](#).

Search customers: Sort:

<input type="checkbox"/>	Customer name	Email subscription	Location	Orders	Amount spent
<input type="checkbox"/>	[REDACTED]	Not subscribed	[REDACTED] NY, United States	0 orders	\$0.00

[Learn more about customers](#)

Settings | <https://admin.shopify.com/store/culmination-project/customers>

Conclusion

- Learned the technologies I wanted to and more
- able to deploy my inventory
- satisfied with layout an
- experienced gained to launch own ecommerce site or for a client
- trying different methods to accomplish goal
- sa
- aas
- Thank you to Adam Wilson(Culmination Advisor)



shopify

RESOURCES

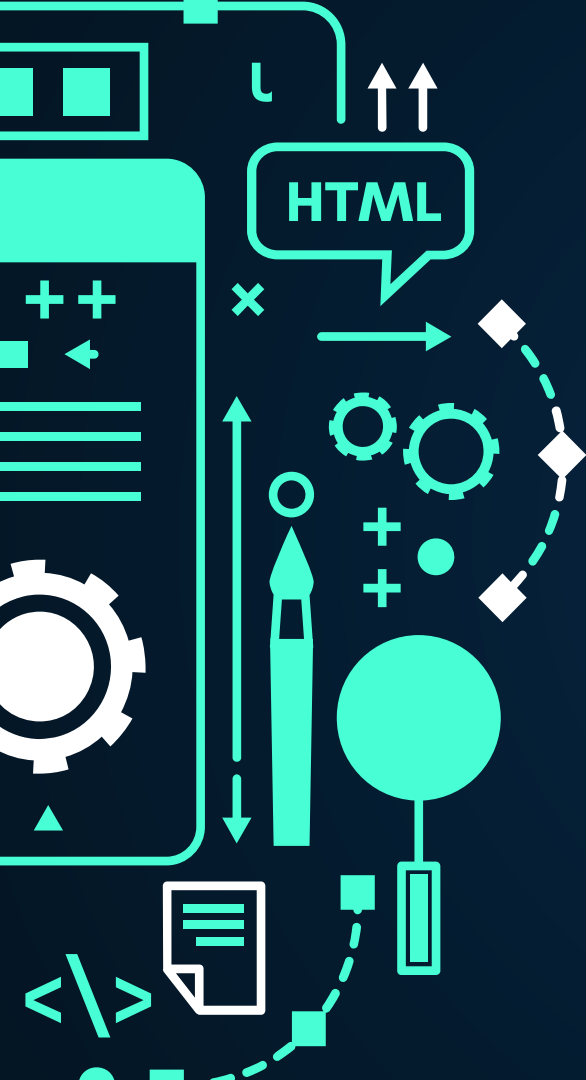
Links

- <https://github.com/Shopify/hydrogen>
- <https://hydrogen.shopify.dev/>
- <https://shopify.dev/docs/custom-storefronts>
- <https://shopify.dev/docs/custom-storefronts/hydrogen>
- <https://vercel.com/dashboard>

Program Languages used

- HTML/CSS
- JavaScript (React JS)





THANKS!

Does anyone have any question?

✉ ercel.williams@mail.citytech.cuny.edu
<https://shopify-store-ashy.vercel.app/> 🛒





Shopify Shopping Website

Ercel Williams

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Introduction

The idea for this culmination project started over a year ago. In the beginning of 2022, I wanted to get better at web development. While I was taking a Web Programming course at City Tech, I wanted to do more ambitious project. I came up with an idea to recreate a formerly popular shopping site, "Very Supely". This website sold the popular sneakers of Yeezys. I decided to build the website from scratch and run into the problem of payment methods. I was unable to have someone checkout a product without having to use an API. That gave me idea to build my culmination project using Shopify's API.



Figure 1: Example of site inspiration

Methods

1. Create Shopify Admin store
2. Add Products
3. generate the API token key
4. Debug
5. Build Storefront
6. Run storefront dev
7. Use Vercel backend for hosting
8. Test Website



Process



Figure 3: Shopify's Admin allows products and API Token

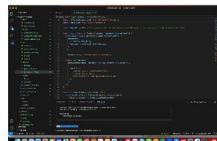


Figure 8: Shopify example store code in Vercel Studio Code for Dev



Figure 4: Hydrogen storefront store being run locally



Results



Figure 3: Hydrogen storefront store being run locally



Figure 7: Create Vercel dashboard for backend deployment

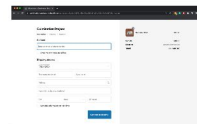


Figure 6: Running web store locally in Terminal



You can visit the site here!

Conclusions

The main goal of this project was to get it working and running. I was able to do that and learn more about Full-Stack Development. Going through the entire process was a great learning experience. My initial idea and thoughts for how this project would be made was completely changed. I had to learn and adapt to new technologies in a short amount of time. Each and every step had to be modified and adjusted for a current and faster tech stack. Shopify's API and Vercel deployment gave me insights to how projects are made in real scenarios. I am confident I can recreate this for myself or a client to use.

Resources

<https://github.com/Shopify/hydrogen>
<https://hydrogen.shopify.dev/>
<https://shopify.dev/docs/custom-storefronts/hydrogen>
<https://vercel.com/dashboard>

Acknowledgments

Professor Adams Wilson (Technical Advisor)

For further information

All contact can be found at: erwilliams@nycct.edu

Poster

