



**School of Computer Science and Engineering**

Lovely Professional University

Phagwara, Punjab (India)

# Ecommerce Website

(Amazone)

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Advance Web Development

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RKM012A24

SUBMITTED TO: **Ms. Neha Sharma**

## GitHub Repo.

<https://github.com/ankit89811/Ecommerce-website.git>

## Overview

Ecommerce website (Amazon) is basically a kind of clone of big online shopping website amazon. In this you can see the products and select them, and you can also add them into your cart. In this web application you can categorize the products by seeing their ratings.

## Goals

The aim of this project is to design a responsive template, implement a user-friendly frontend and develop a scalable backend.

## Specifications

- HTML and CSS including grid, flexbox and responsive design.
- JavaScript to make dynamic pages like folding menus
- React library to build Ecommerce frontend like sign-in form, shopping cart and etc
- Node and Express framework to run web server and API endpoint
- MongoDB and Mongoose to save and retrieve data like products, orders and users

## Technology Used

HTML&CSS

JavaScript

React.js

Redux

Node-Js

Express-Js

MongoDB

Mongoose

GIT

## Other Modules

Code-Editor

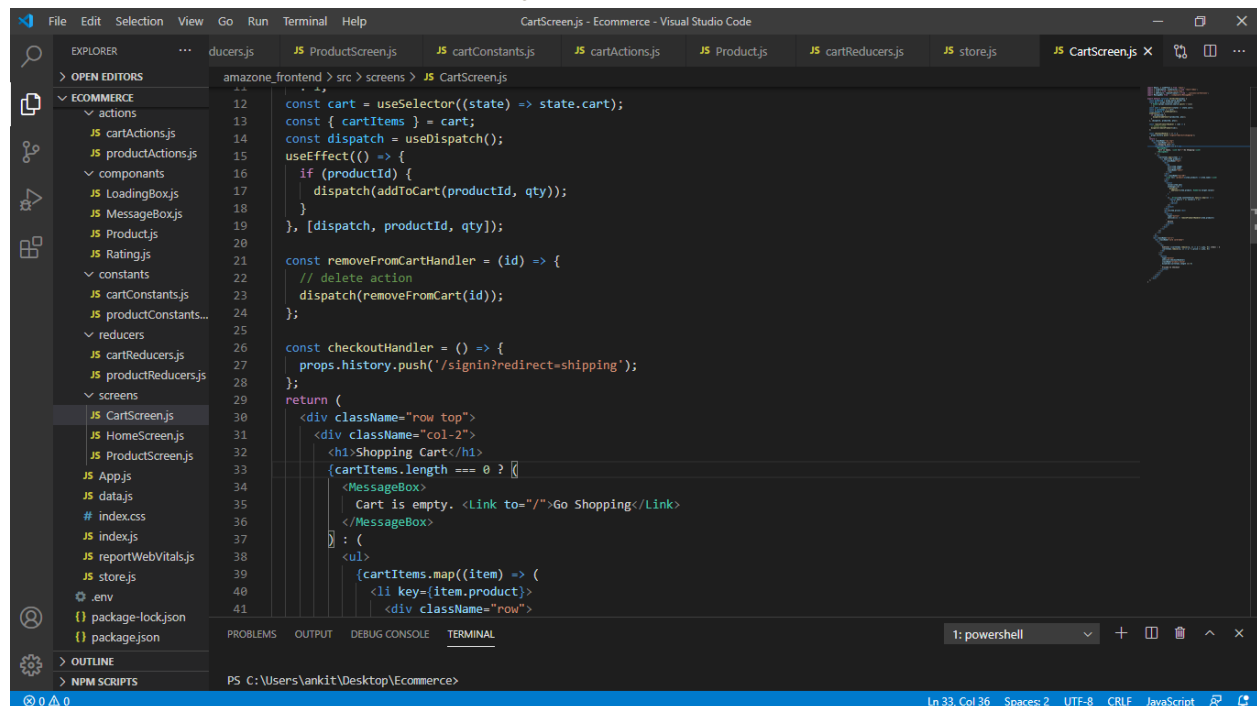
Vs code

Git-hub

GitHub repo for pushing the code and make it available via the GitHub repo.

## Code Snippet

These are some code snippet of the project.

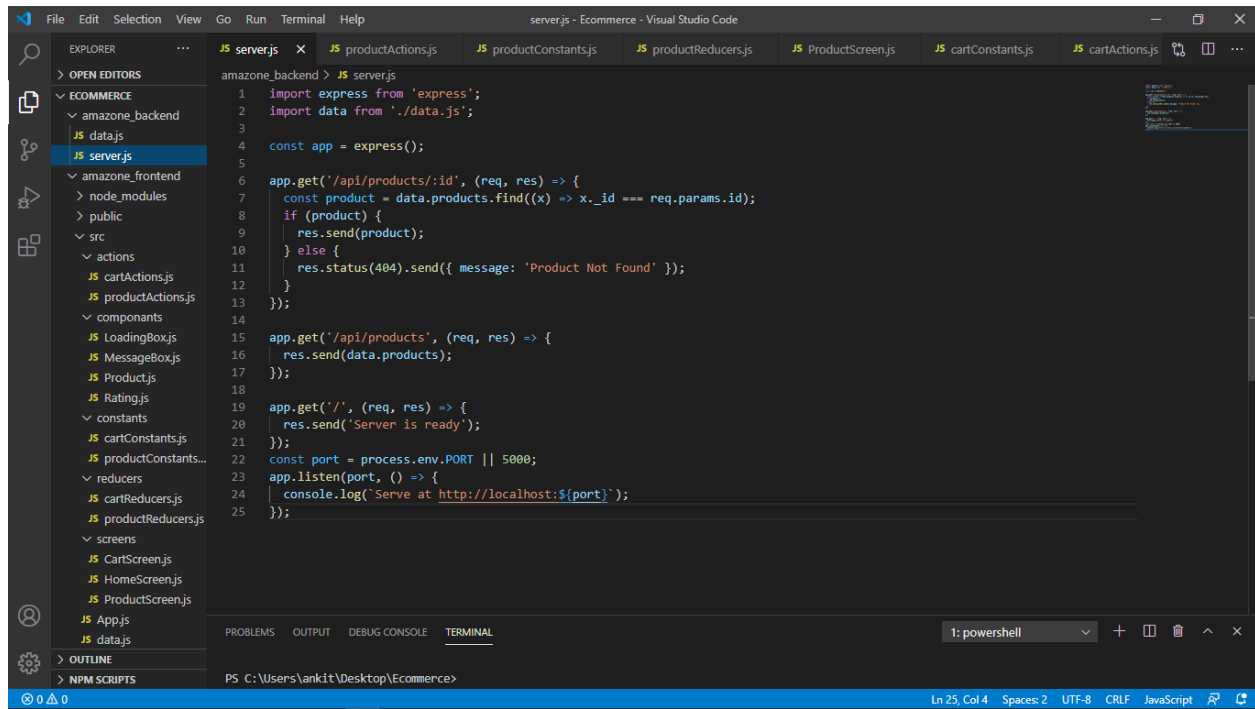


```
File Edit Selection View Go Run Terminal Help
CartScreen.js - Ecommerce - Visual Studio Code

EXPLORER
> OPEN EDITORS
amazon_frontend > src > screens > JS CartScreen.js
ECOMMERCE
  actions
    JS cartActions.js
    JS productActions.js
  components
    JS LoadingBox.js
    JS MessageBox.js
    JS Product.js
    JS Rating.js
  constants
    JS cartConstants.js
    JS productConstants.js
  reducers
    JS cartReducers.js
    JS productReducers.js
  screens
    JS CartScreen.js
    JS HomeScreen.js
    JS ProductScreen.js
  App.js
  data.js
  # index.css
  JS index.js
  JS reportWebVitals.js
  JS store.js
  .env
  package-lock.json
  package.json

OUTLINE
NPM SCRIPTS

12 const cart = useReducer((state) => state.cart);
13 const { cartItems } = cart;
14 const dispatch = useDispatch();
15 useEffect(() => {
16   if (productId) {
17     dispatch(addToCart(productId, qty));
18   }
19 }, [dispatch, productId, qty]);
20
21 const removeFromCartHandler = (id) => {
22   // delete action
23   dispatch(removeFromCart(id));
24 };
25
26 const checkoutHandler = () => {
27   props.history.push('/signin?redirect=shipping');
28 };
29
30 return (
31   <div className="row top">
32     <div className="col-2">
33       <h1>Shopping Cart</h1>
34       {cartItems.length === 0 ? (
35         <MessageBox>
36           Cart is empty. <Link to="/">Go Shopping</Link>
37         </MessageBox>
38       ) : (
39         <ul>
40           {cartItems.map((item) => (
41             <li key={item.product}>
42               <div className="row">
```



```
server.js - Visual Studio Code
File Edit Selection View Go Run Terminal Help

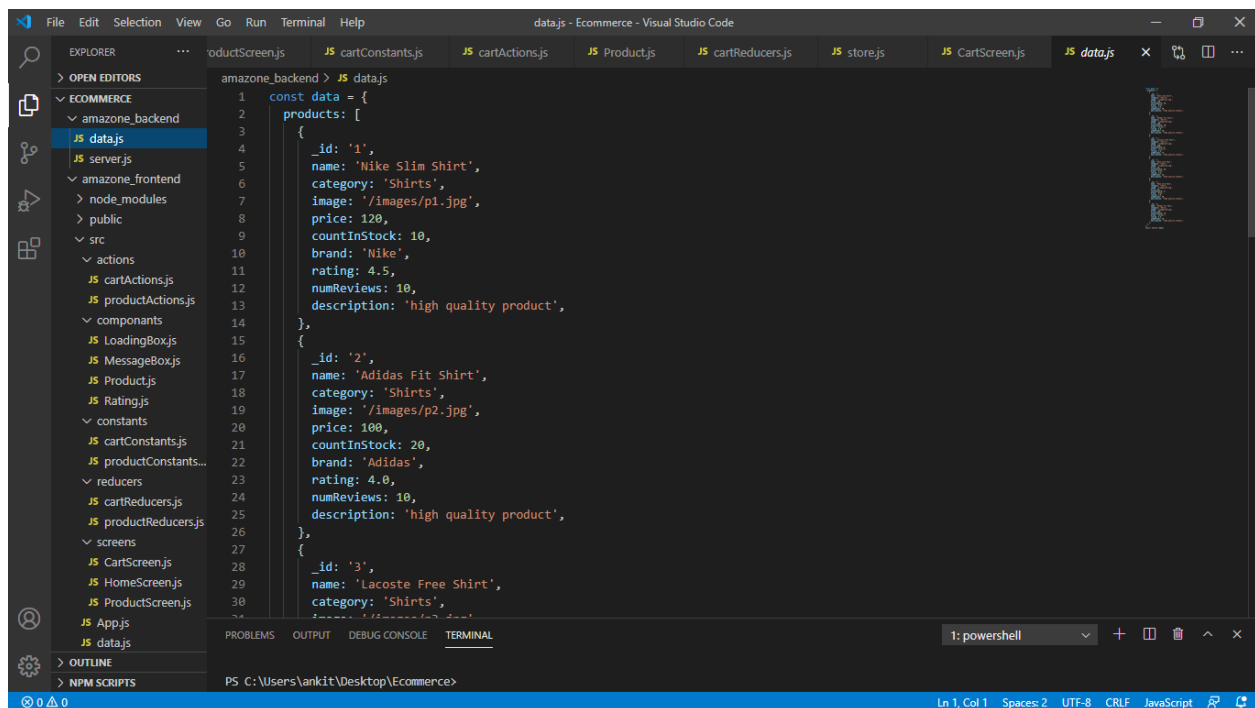
amazon_backend > JS server.js
1 import express from 'express';
2 import data from './data.js';
3
4 const app = express();
5
6 app.get('/api/products/:id', (req, res) => {
7   const product = data.products.find((x) => x._id === req.params.id);
8   if (product) {
9     res.send(product);
10  } else {
11    res.status(404).send({ message: 'Product Not Found' });
12  }
13 });
14
15 app.get('/api/products', (req, res) => {
16   res.send(data.products);
17 });
18
19 app.get('/', (req, res) => {
20   res.send('Server is ready');
21 });
22
23 const port = process.env.PORT || 5000;
24 app.listen(port, () => {
25   console.log(`Serve at http://localhost:${port}`);
26 });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

PS C:\Users\ankit\Desktop\Ecommerce>

Ln 25, Col 4 Spaces: 2 UTF-8 CRLF JavaScript



```
data.js - Visual Studio Code
File Edit Selection View Go Run Terminal Help

amazon_backend > JS data.js
1 const data = {
2   products: [
3     {
4       _id: '1',
5       name: 'Nike Slim Shirt',
6       category: 'Shirts',
7       image: '/images/p1.jpg',
8       price: 120,
9       countInStock: 10,
10      brand: 'Nike',
11      rating: 4.5,
12      numReviews: 10,
13      description: 'high quality product',
14    },
15    {
16      _id: '2',
17      name: 'Adidas Fit Shirt',
18      category: 'Shirts',
19      image: '/images/p2.jpg',
20      price: 100,
21      countInStock: 20,
22      brand: 'Adidas',
23      rating: 4.0,
24      numReviews: 10,
25      description: 'high quality product',
26    },
27    {
28      _id: '3',
29      name: 'Lacoste Free Shirt',
30      category: 'Shirts',
31      image: '/images/p3.jpg',
32      price: 80,
33      countInStock: 5,
34      brand: 'Lacoste',
35      rating: 3.8,
36      numReviews: 5,
37      description: 'high quality product',
38    }
39  ]
40 };
41 export default data;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

PS C:\Users\ankit\Desktop\Ecommerce>

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript

```

1 import bcrypt from 'bcryptjs';
2
3 const data = {
4   users: [
5     {
6       name: 'Ankit',
7       email: 'admin@example.com',
8       password: bcrypt.hashSync('1234', 8),
9       isAdmin: true,
10     },
11     {
12       name: 'Ms.Neha',
13       email: 'user@example.com',
14       password: bcrypt.hashSync('1234', 8),
15       isAdmin: false,
16     },
17   ],
18   products: [
19     {
20       name: 'Nike Slim Shirt',
21       category: 'Shirts',
22       image: '/images/p1.jpg',
23       price: 120,
24       countInStock: 10,
25       brand: 'Nike',
26       rating: 4.5,
27       numReviews: 10,
28       description: 'high quality product',
29     },
30     {
31       name: 'Adidas Fit Shirt',
32       category: 'Shirts',
33       image: '/images/p2.jpg',
34       price: 100,
35       countInStock: 20,

```

## Screenshots

Here are some screenshots of the project.

ankit89811 / Ecommerce-website

Unwatch 1 Star 0 Fork 1

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

ankit89811 updated screenshots 604a8ed yesterday 22 commits

File/Folder	Commit	Time
amazon_backend	committed	yesterday
amazon_frontend	committed	yesterday
template	first commit	2 days ago
.eslintrc.js	Changes	2 days ago
.gitignore	committed	yesterday
Amazon (adv. web dev project).pdf	Add files via upload	2 days ago
package-lock.json	committed	yesterday
package.json	committed	yesterday
updated screenshot file .pdf	updated screenshots	yesterday

Help people interested in this repository understand your project by adding a README

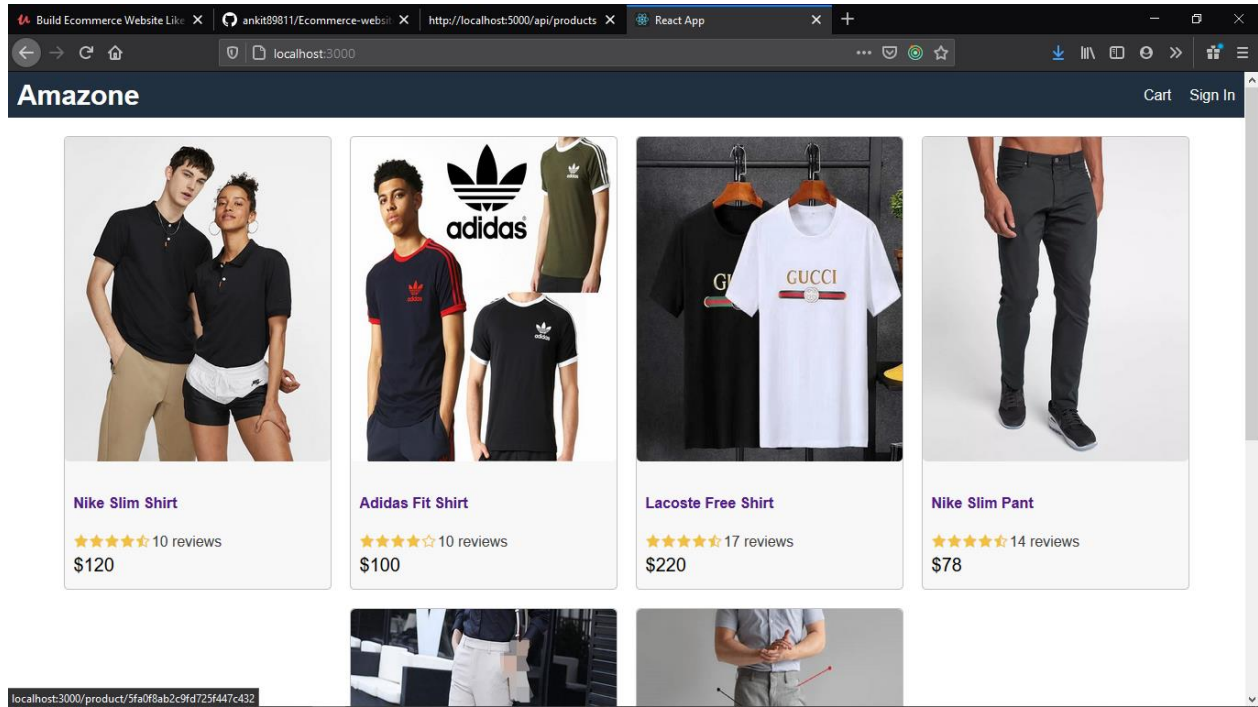
**About**  
No description, website, or topics provided.

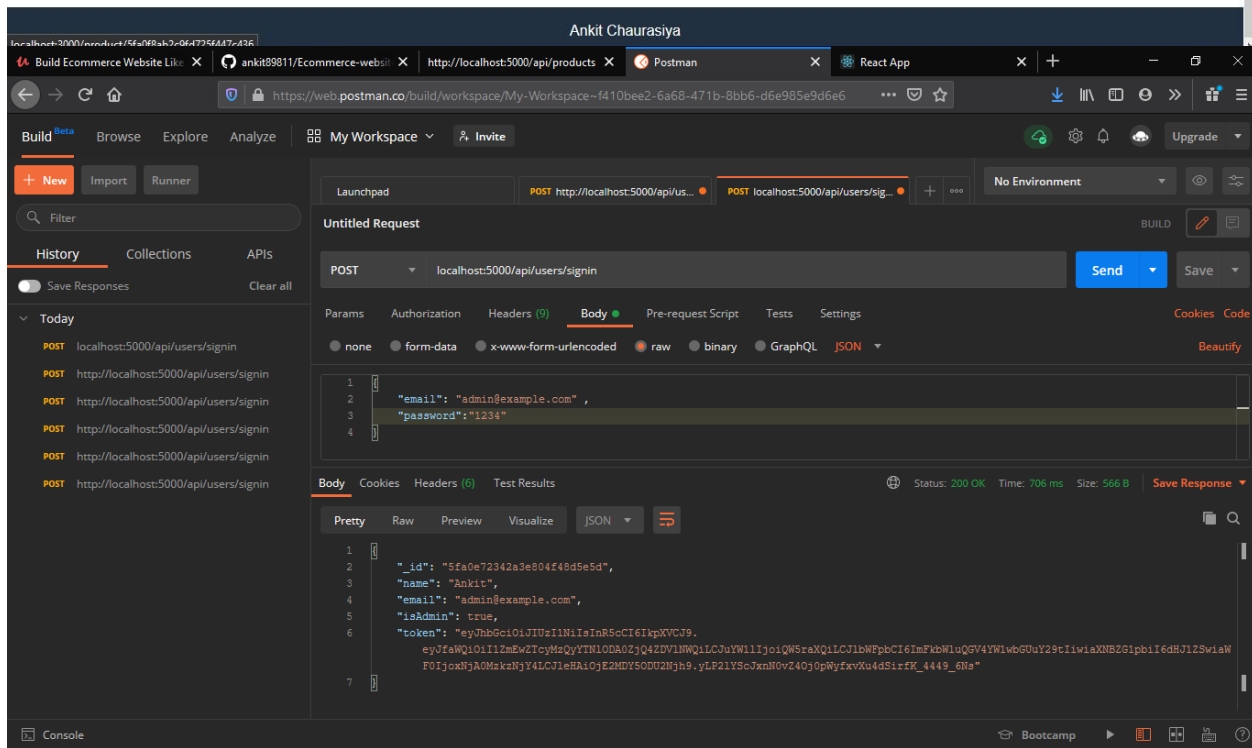
**Releases**  
No releases published  
[Create a new release](#)

**Packages**  
No packages published  
[Publish your first package](#)

**Languages**

Language	Percentage
JavaScript	70.0%
HTML	18.6%





Build Ecommerce Webs...

amazona/SignInScreen.j...

ankit89811/Ecommerce...

http://localhost:5000/api/pr...

Postman

React App

localhost:3000/signin

Amazone

Cart Sign In

Sign In

Email address

Enter email

Password

Enter password

Sign In

New customer? [Create your account](#)

Ankit Chaurasiya

Build Ecommerce Webs...

amazona/SignInScreen.j...

ankit89811/Ecommerce...

http://localhost:5000/api/pr...

Postman

React App

localhost:3000/cart

Amazone

Cart Sign In

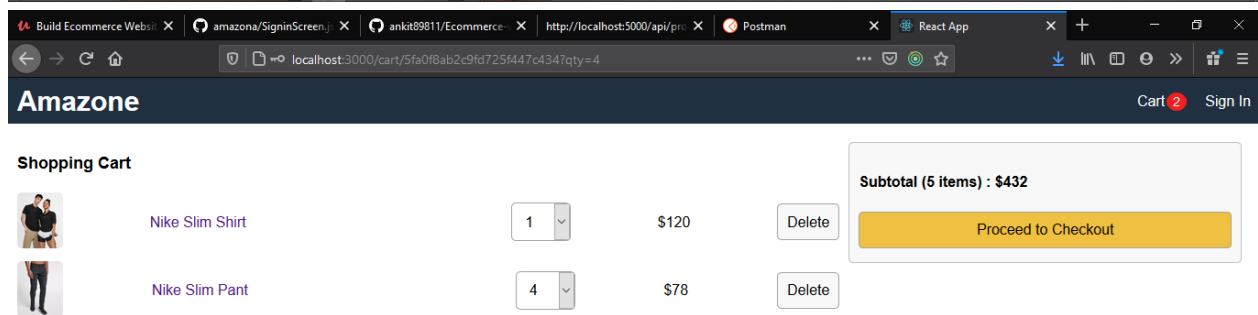
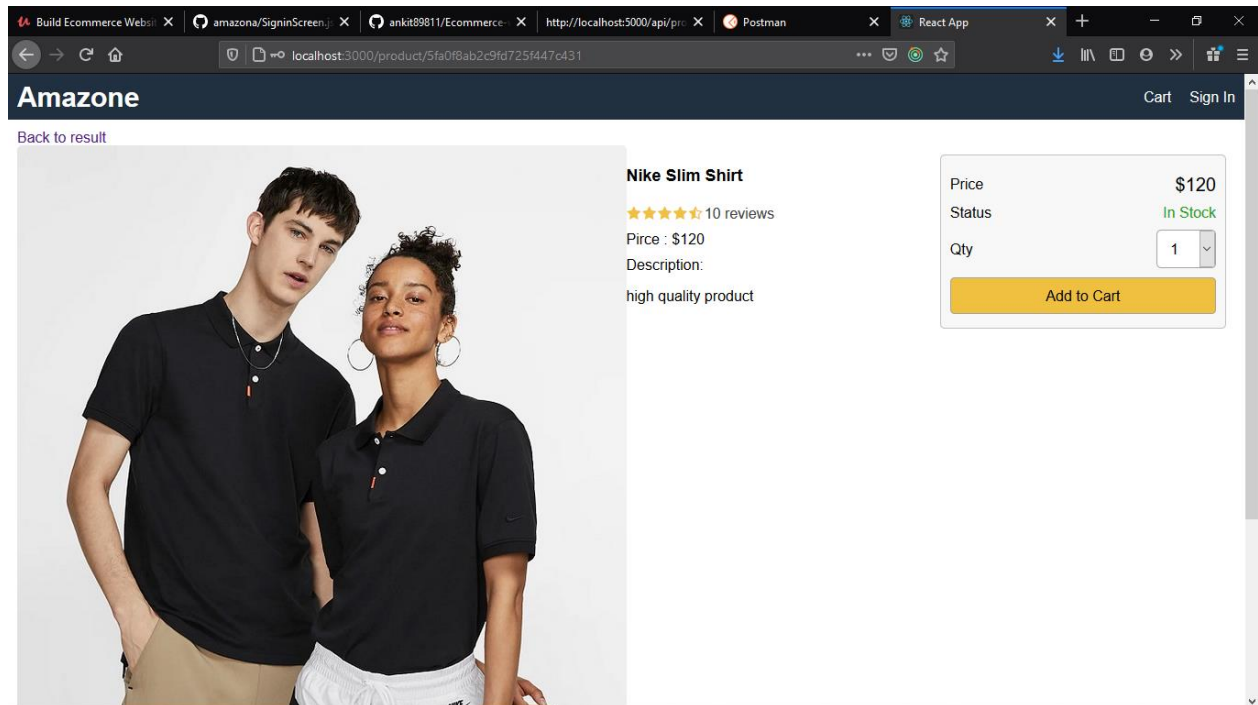
Shopping Cart

Cart is empty. Go Shopping

Subtotal (0 items) : \$0

Proceed to Checkout





Build Ecommerce Webs...
amazona/SignInScreen.j...
ankit89811/Ecommerce...
http://localhost:5000/api/pr...
Postman
React App

localhost:5000/api/products

```
[
  {
    _id: "5fa0f8ab2c9fd725f447c431",
    name: "Nike Slim Shirt",
    category: "Shirts",
    image: "/images/p1.jpg",
    price: 120,
    countInStock: 10,
    brand: "Nike",
    rating: 4.5,
    numReviews: 10,
    description: "high quality product",
    __v: 0,
    createdAt: "2020-11-03T06:28:59.953Z",
    updatedAt: "2020-11-03T06:28:59.953Z"
  },
  {
    _id: "5fa0f8ab2c9fd725f447c432",
    name: "Adidas Fit Shirt",
    category: "Shirts",
    image: "/images/p2.jpg",
    price: 100,
    countInStock: 20,
    brand: "Adidas",
    rating: 4,
    numReviews: 10,
    description: "high quality product",
    __v: 0,
    createdAt: "2020-11-03T06:29:00.006Z",
    updatedAt: "2020-11-03T06:29:00.006Z"
  },
  {
    _id: "5fa0f8ab2c9fd725f447c433",
    name: "Lacoste Free Shirt",
    category: "Shirts",
    image: "/images/p3.jpg",
    price: 220,
    countInStock: 0,
    brand: "Lacoste",
    rating: 4.6,
    numReviews: 17,
    description: "high quality product",
    __v: 0,
  }
]
```

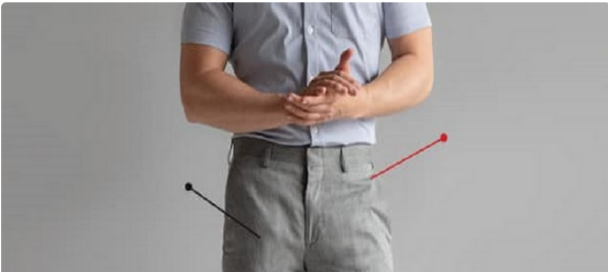
Build Ecommerce Webs...
amazona/SignInScreen.j...
ankit89811/Ecommerce...
http://localhost:5000/api/pr...
Postman
React App

localhost:3000/product/5fa0f8ab2c9fd725f447c436

# Amazone

Cart 1
Sign In

[Back to result](#)



## Adidas Fit Pant

★★★★★ 15 reviews

Price : \$139

Description:

high quality product

Price
\$139

Status
In Stock

Qty

Add to Cart

Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
Storage
Accessibility
Application
Redux

Filter URLs

Status	Method	Domain	File	Initiator	Type	Transferred	Size	Headers	Cookies	Request	Response	Timings	Stack Trace
200	GET	localhost:3000	5fa0f8ab2c9fd725f447c432	0.chunk.js:701 (xhr)	json	534 B	302 B	dispatchXhrRequest xhrAdapter dispatchRequest (Async: promise callback)		request	xhr.js:177 xhr.js:13 dispatchRequest.js:52		
304	GET	localhost:3000	products	0.chunk.js:701 (xhr)	json	cached	1.77 KB						
304	GET	localhost:3000	5fa0f8ab2c9fd725f447c434	0.chunk.js:701 (xhr)	json	cached	298 B				Axios.js:161 Axios.js:176 bind.js:9		
304	GET	localhost:3000	products	0.chunk.js:701 (xhr)	json	cached	1.77 KB				productActions.js:26 index.js:8		
304	GET	localhost:3000	5fa0f8ab2c9fd725f447c431	0.chunk.js:701 (xhr)	json	cached	301 B				http://localhost:3000/:1:28546		
304	GET	localhost:3000	products	0.chunk.js:701 (xhr)	json	cached	1.77 KB				ProductScreen.js:17 react-dom.development.js:22487 react-dom.development.js:3945 react-dom.development.js:3994 react-dom.development.js:4086 react-dom.development.js:23574 scheduler.development.js:646 react-dom.development.js:11372		
200	GET	localhost:3000	5fa0f8ab2c9fd725f447c436	0.chunk.js:701 (xhr)	json	534 B	302 B	ProductScreen/ invokePassiveEffectCreate callCallback invokeGuardedCallbackDev invokeGuardedCallback flushPassiveEffectsImpl unstable_runWithPriority runWithPriority					

7 requests
6.49 KB / 1.04 KB transferred
Finish: 24.38 s

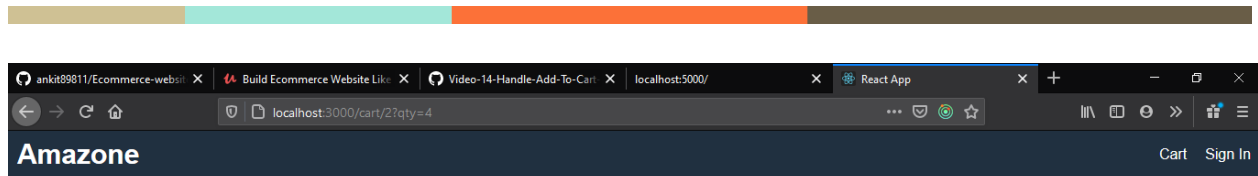
The screenshot displays a web application named "Amazon" running on localhost:3000. The application features a header with a "Cart 1" icon and a "Sign In" link. The main content area shows a grid of product images, including a couple in black shirts, an Adidas shirt, a Gucci shirt, and a pair of pants. Below the images, there are two product cards: "Nike Slim Shirt" for \$120 and "Adidas Fit Shirt" for \$100, both with 10 reviews. The background shows a VS Code editor with the project structure and a terminal window.

The VS Code editor shows the following project structure:

- EXPLORER
  - amazon\_frontend > src > ProductScreens.js
  - amazon\_backend
    - models
      - productModels.js
      - userModels.js
    - routers
      - productRouter.js
      - userRouter.js
    - data.js
    - server.js
    - utils.js
    - amazon\_frontend...
      - node\_modules
      - public
      - src
        - actions
          - cartActions.js
          - productActions.js
        - components
          - LoadingBox.js
          - MessageBox.js
          - Product.js
          - Rating.js
        - constants
          - cartConstants.js
    - OUTLINE
    - TIMELINE
    - NPM SCRIPTS

The terminal window shows the following output:

```
[nodeemon] 2.0.6
[nodeemon] to restart at
[nodeemon] watching path
[nodeemon] watching exte
[nodeemon] starting no
(node:11388) Experiment
Serve at http://localh
```



### Cart Screen

ADD TO CART : ProductID: 2 Qty: 4

