

## Website Screenshots

[https://github.com/phamtuyethan/SE\\_project](https://github.com/phamtuyethan/SE_project)

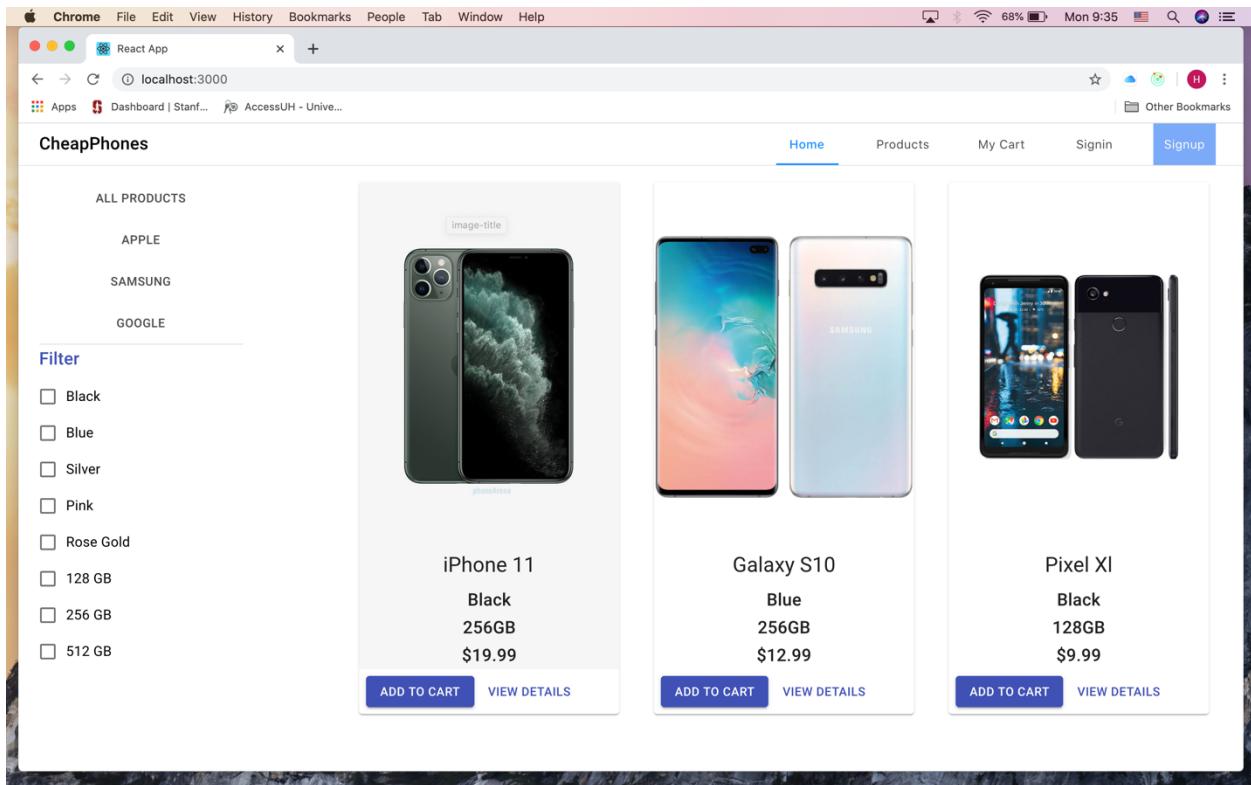


Figure 1 Home page

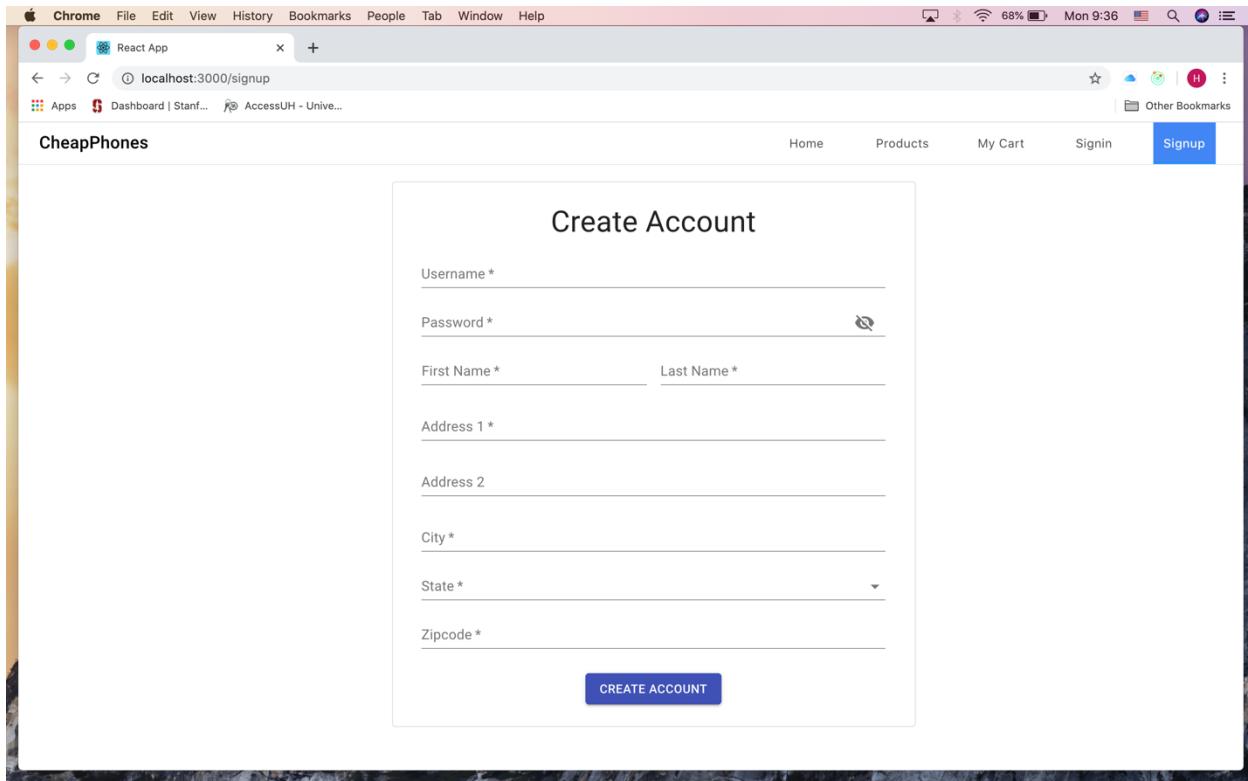


Figure 2 Sign up

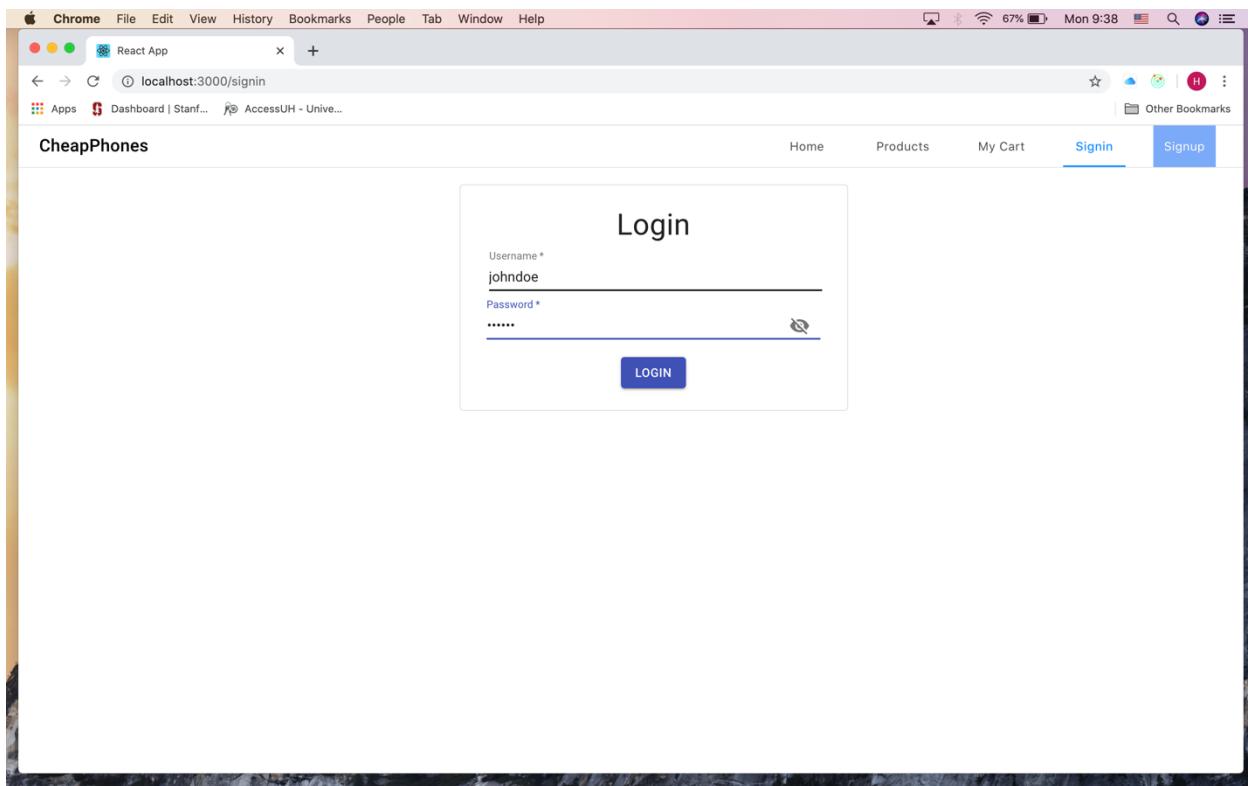


Figure 3 Sign in

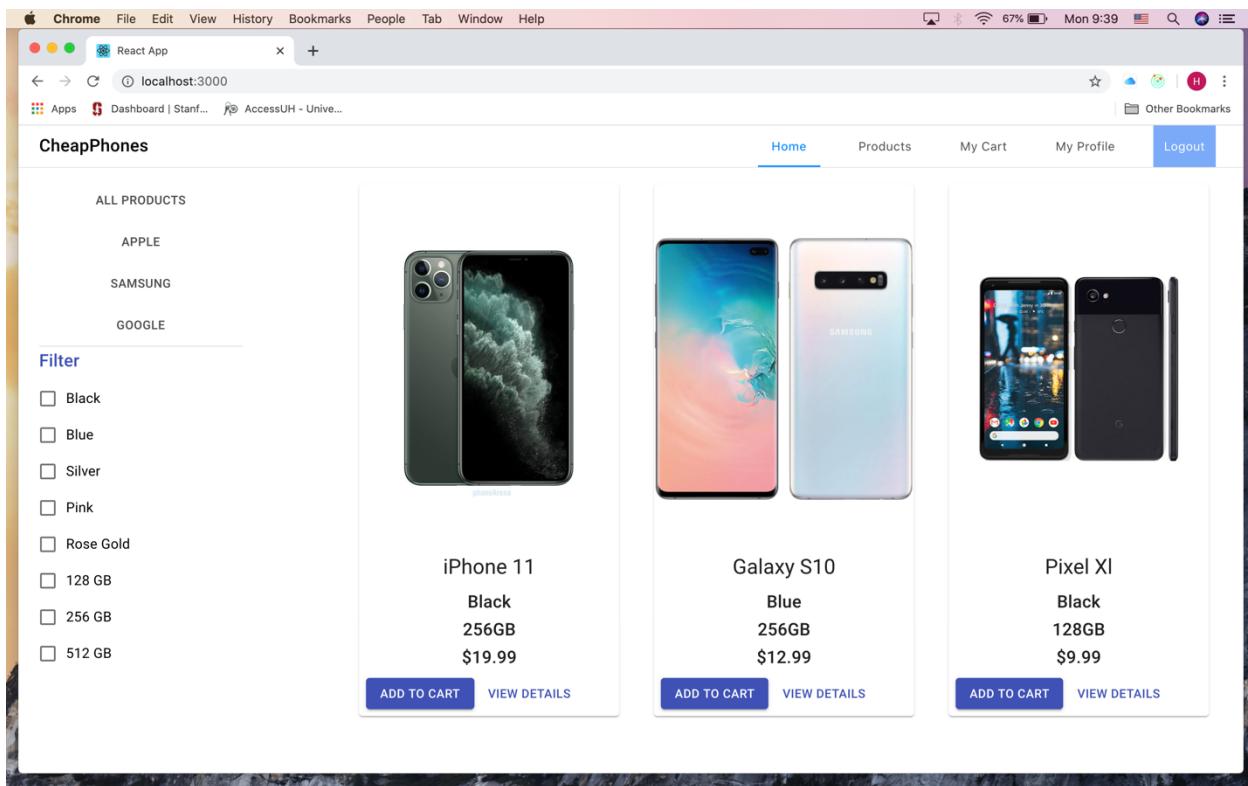


Figure 4 Home page (signed in version)

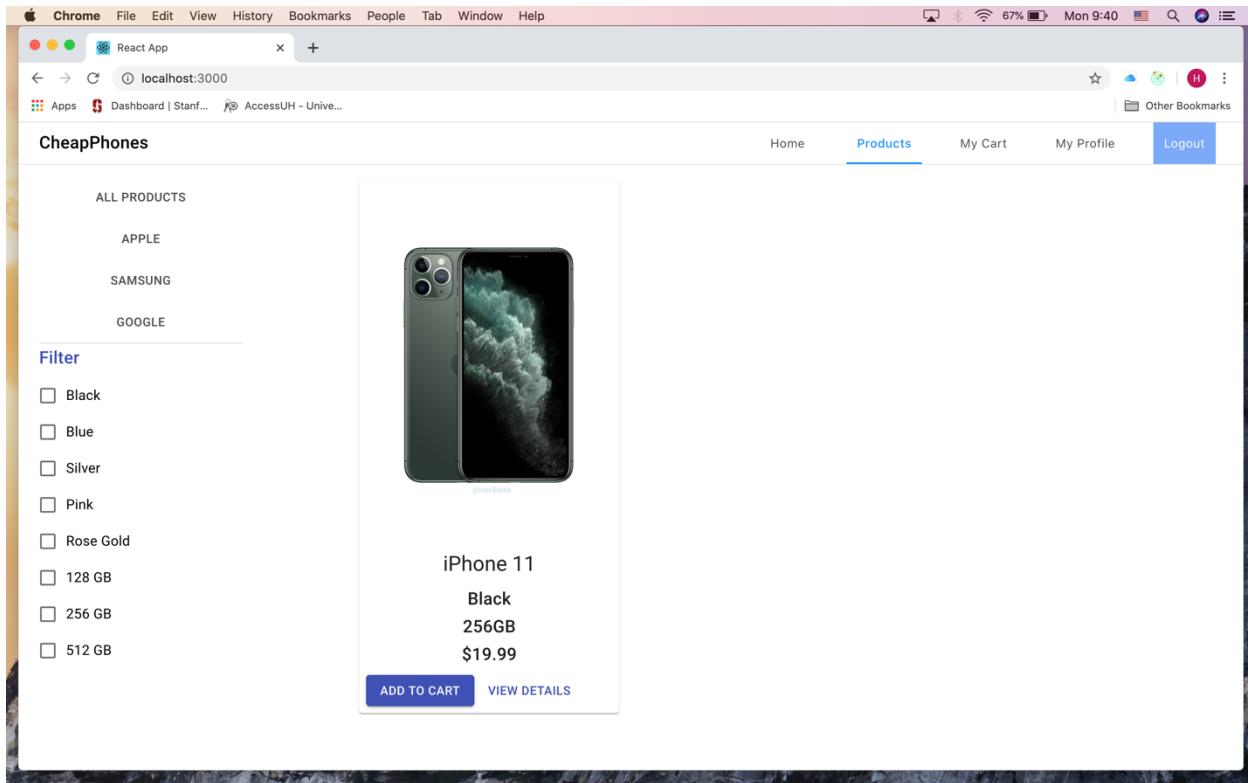


Figure 5 Products - Apple

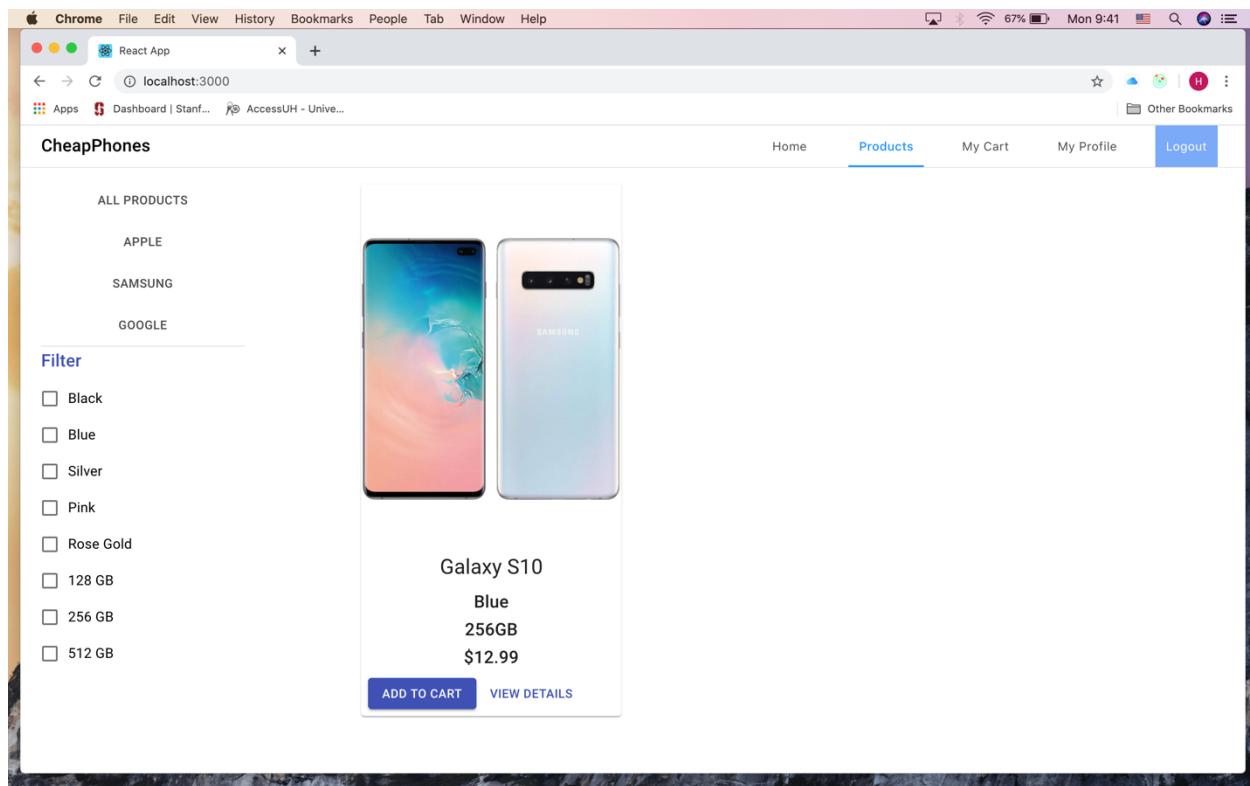


Figure 6 Products- Samsung

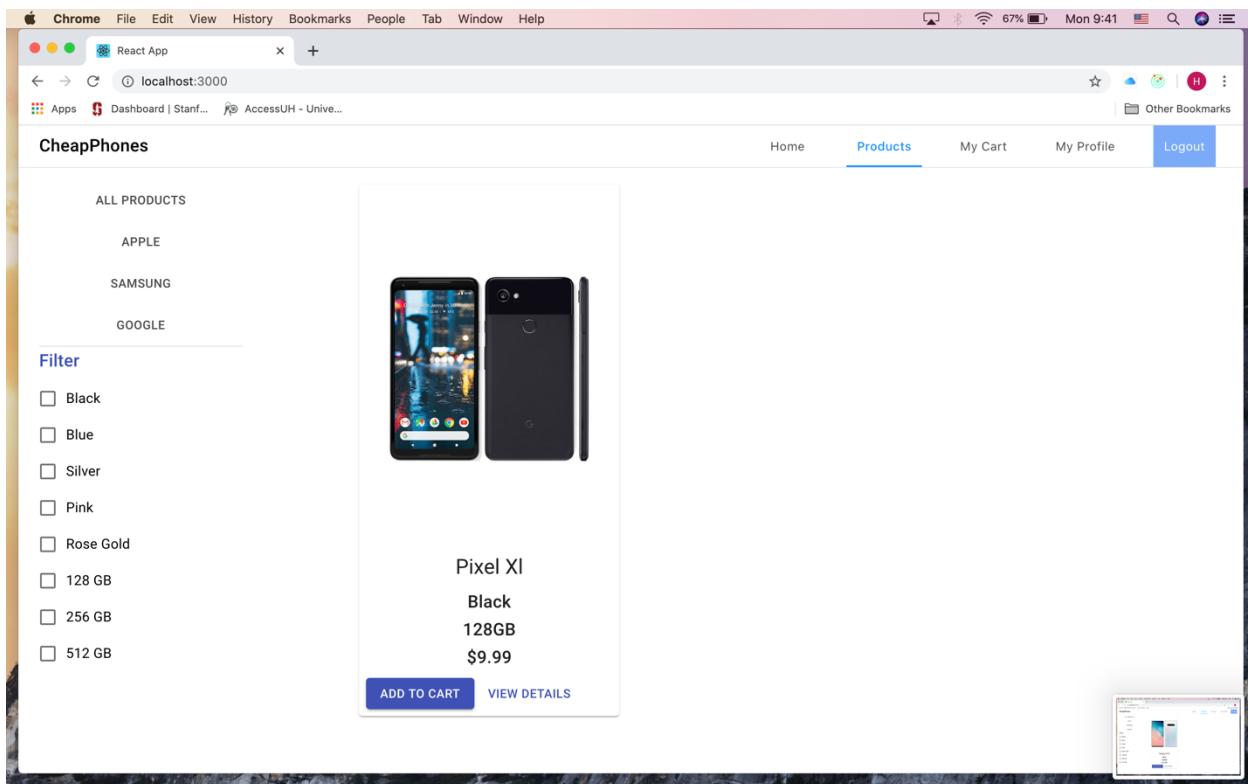


Figure 7 Products – Google

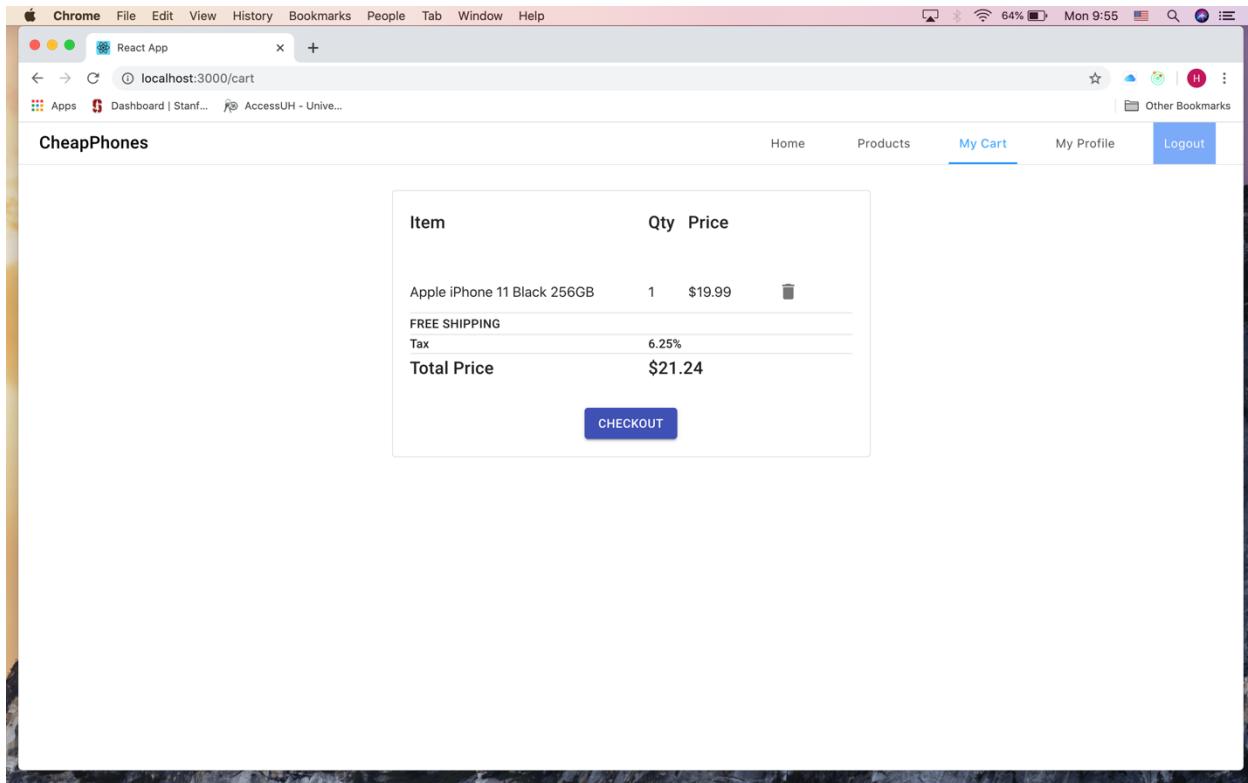


Figure 8 Cart

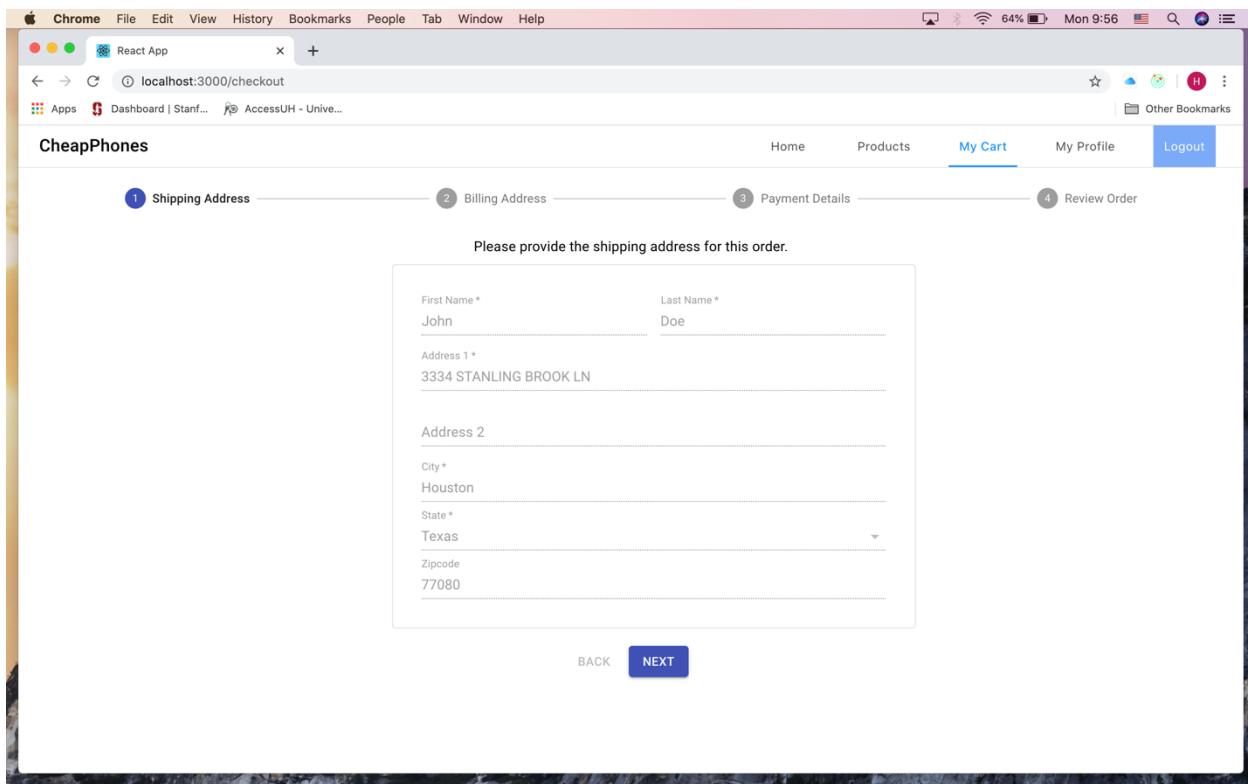


Figure 9 Checkout – Shipping

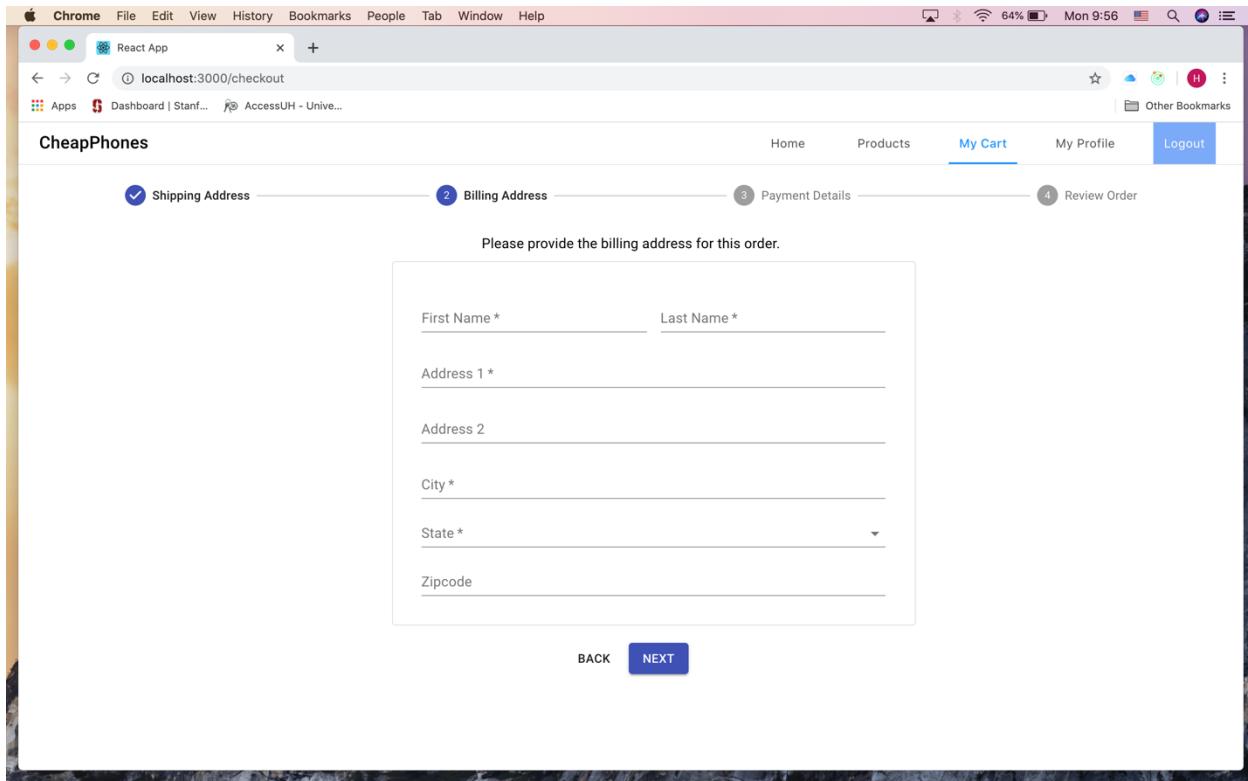


Figure 10 Checkout – Billing

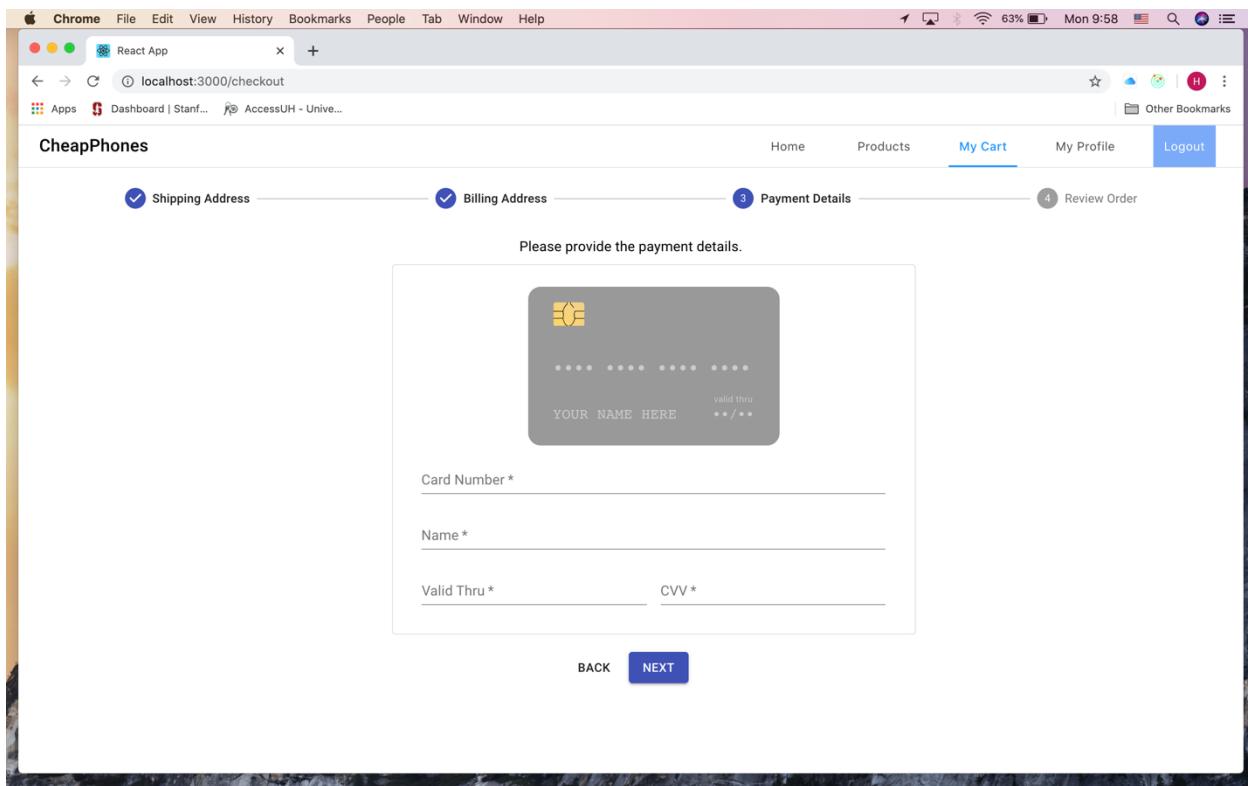


Figure 11 Checkout - Card Info

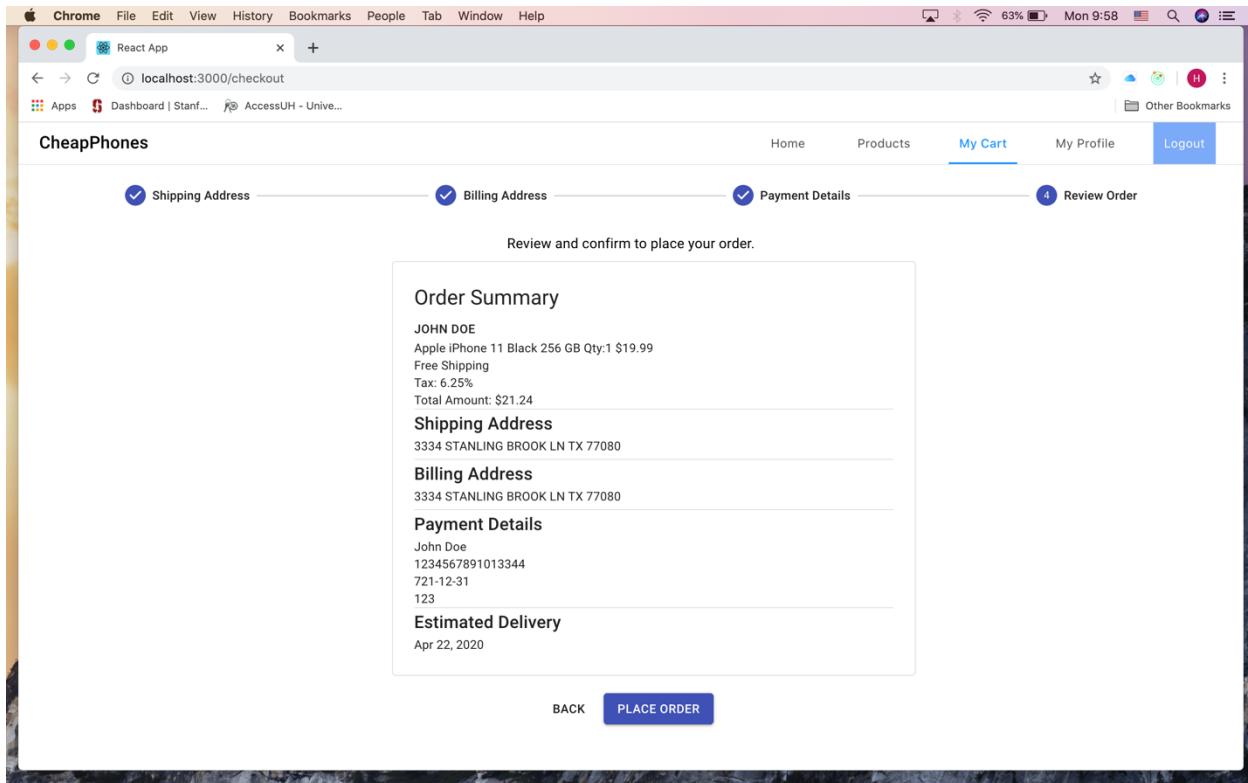


Figure 12 Checkout - Review order

The screenshot shows a web browser window for the URL `localhost:3000/checkout`. The page is titled "CheapPhones" and features a navigation bar with links for Home, Products, My Cart (which is highlighted in blue), My Profile, and Logout. Below the navigation, there are four status indicators: "Shipping Address" (checkmark), "Billing Address" (checkmark), "Payment Details" (checkmark), and "Review Order" (blue button with a counter "4"). A central box displays the "ORDER SUCCESSFUL" message. Inside this box, the "Order Summary" section lists the purchase details: FIRSTNAME LASTNAME, Apple iPhone 11 Black 256 GB Qty:1 \$19.99, Free Shipping, Tax: 6.25%, and Total Amount: \$21.24. Below the summary are sections for "Shipping Address" (800 W CAMPBELL RD TX 75080) and "Billing Address" (800 W CAMPBELL RD TX 75080). The "Payment Details" section shows a placeholder for John Doe with the number 4242424242424242. Under "Estimated Delivery", it shows Apr 22, 2020. At the bottom of the page are "BACK" and "CONTINUE SHOPPING" buttons.

Figure 13 Order Summary – Successful order

## Unit Testing

OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS 1: node + ⌂ ⌄ ⌁ ⌂

```
authentication
  Signup
    ✓ should sign new user up
  login
connected to the sever
User created!
  ✓ should login a user
Show User profile information
  ✓ should show user profile information
create order

{
  message: 'Profile fetched successfully.',
  user: {
    _id: '5e9dfb6b373be88327da72a0',
    Name: 'Lebron',
    Password: '$2a$12$kdGmm/eWK/rwet0ZZ9mBeeyKwiGyq7IhLH00NgMyheIchtFs6L.0S',
    Firstname: 'Lebron',
    Lastname: 'James',
    Address1: '12345 Hollywood Blvd',
    Address2: '',
    City: 'Richardson',
    State: 'TX',
    Zipcode: 12345,
    __v: 0
  }
}
  ✓ should create dummy order
fetch all products
(node:33575) DeprecationWarning: Mongoose: `findOneAndUpdate()` and `findOneAndDelete()` without the `useFindAndModify` option set to false are deprecated. See: https://mongoosejs.com/docs/deprecations.html#findandmodify

Order added successfully
  ✓ should fetch all products
fetch single product
  ✓ should fetch a single product
add item in user cart
  ✓ should add item in user cart
calculate total price of user cart

{
  message: 'Products fetched Successfully',
  products: [
    {
      _id: '5e8c77044a8f9e1135197852',
      Manufacturer: 'Apple',
      Model: 'iPhone 11',
      Price: 1.99,
      Color: 'Black',
      Storage: '256',
      ImageURL: '/Apple/1.jpg',
      __v: 0
    },
    {
      _id: '5e8c77044a8f9e1135197854',
      Manufacturer: 'Samsung',
      Model: 'Galaxy S10',
      Price: 12.99,
      __v: 0
    }
  ]
}
```

```
        {
          Price: 12.99,
          Color: 'Blue',
          Storage: '256',
          ImageURL: '/Samsung/1.jpg',
          __v: 0
        },
        {
          _id: '5e8c77044a8f9e1135197853',
          Manufacturer: 'Google',
          Model: 'Pixel XL',
          Price: 9.99,
          Color: 'Black',
          Storage: '128',
          ImageURL: '/Google/1.jpg',
          __v: 0
        },
        {
          _id: '5e8c77044a8f9e1135197855',
          Manufacturer: 'Samsung',
          Model: 'Galaxy S10',
          Price: 123.99,
          Color: 'Blue',
          Storage: '256',
          ImageURL: '/Samsung/1.jpg',
          __v: 0
        }
      ]
    }

  {
    message: 'Product found successfully',
    product: {
      _id: '5e8c77044a8f9e1135197855',
      Manufacturer: 'Samsung',
      Model: 'Galaxy S10',
      Price: 123.99,
      Color: 'Blue',
      Storage: '256',
      ImageURL: '/Samsung/1.jpg',
      __v: 0
    }
  }
}

Item added in cart successfully
  ✓ calculate total price of user cart
  fetch user cart
{ message: 'Price fetched successfully', totalAmount: 131.74 }

  ✓ should fetch user cart

{
  message: 'Cart fetched Successfully',
  cart: { _id: '5e9dfb6e373be88327da72a2', items: [ [Object] ], __v: 0 }
}

  ✓

  ✓ should fetch user cart

{
  message: 'Cart fetched Successfully',
  cart: { _id: '5e9dfb6e373be88327da72a2', items: [ [Object] ], __v: 0 }
}

  ✓

10 passing (7s)

User deleted!
  Cart deleted!
  Dummy Order deleted!
```