PEMROGRAMAN BERBASIS FRAMEWORK

UTS

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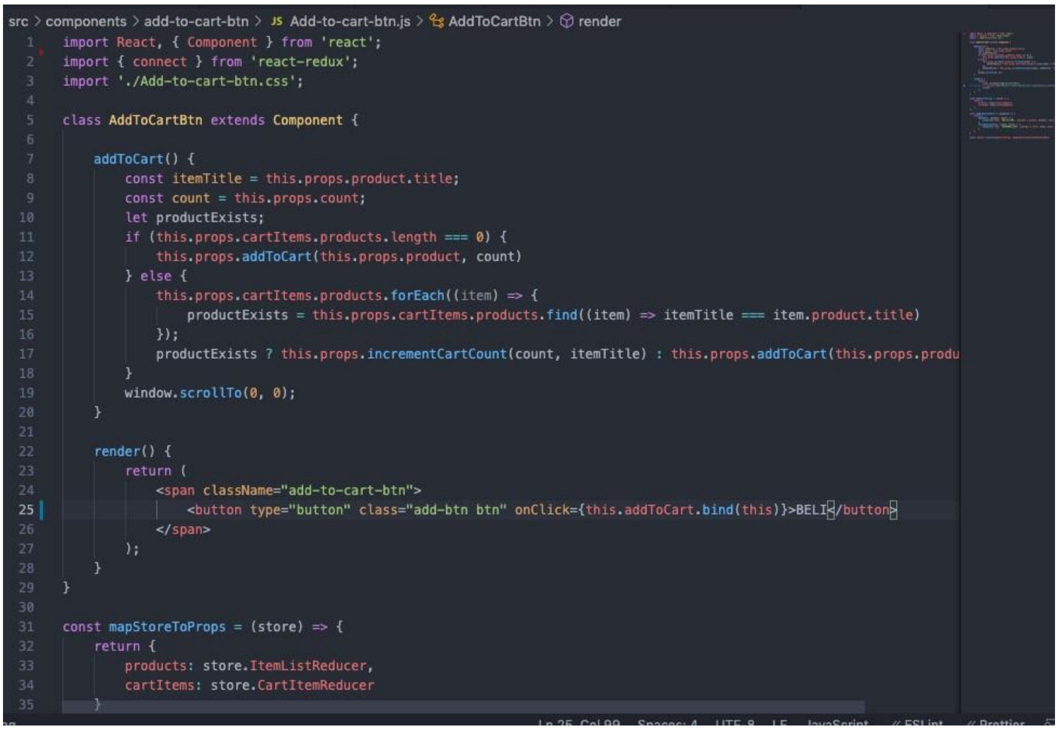
PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
MARET 2021

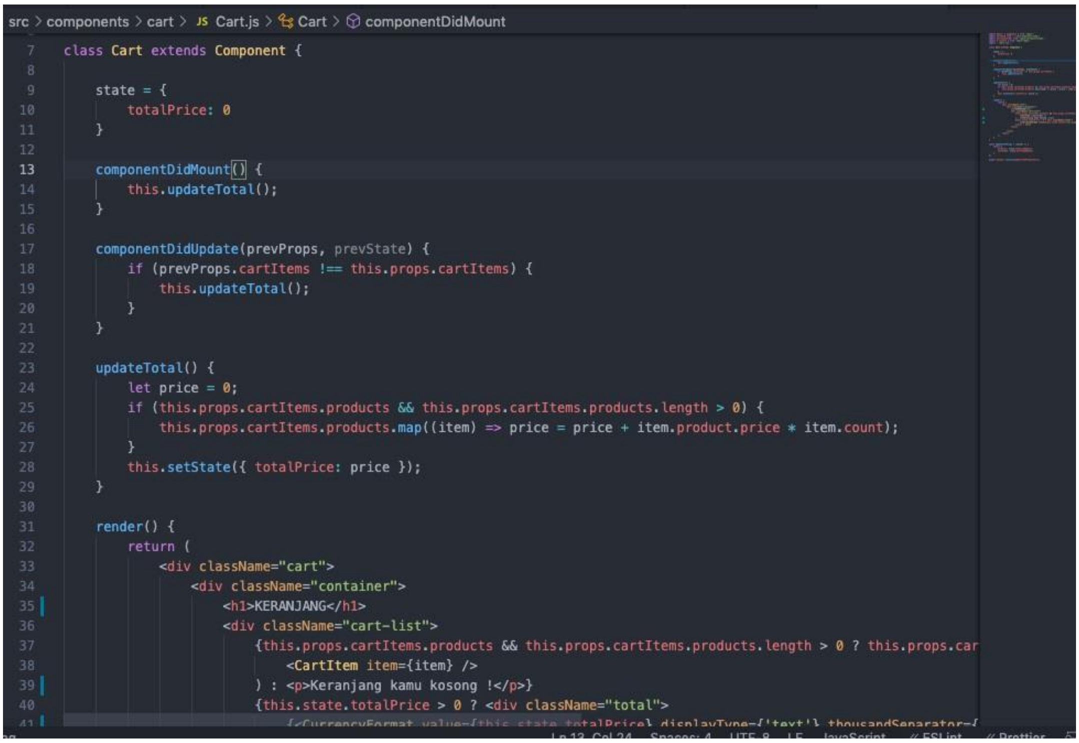
Langkah	Keterangan
1	Class AddTocartBtn



src > components > add-to-cart-btn > JS Add-to-cart-btn.js > AddToCartBtn > render

```
import React, { Component } from 'react';
import { connect } from 'react-redux';
import './Add-to-cart-btn.css';

class AddToCartBtn extends Component {

    addToCart() {
        const itemTitle = this.props.product.title;
        const count = this.props.count;
        let productExists;
        if (this.props.cartItems.products.length === 0) {
            this.props.addToCart(this.props.product, count)
        } else {
            this.props.cartItems.products.forEach((item) => {
                productExists = this.props.cartItems.products.find((item) => itemTitle === item.product.title)
            });
            productExists ? this.props.incrementCartCount(count, itemTitle) : this.props.addToCart(this.props.produ
        }
        window.scrollTo(0, 0);
    }

    render() {
        return (
            <span className="add-to-cart-btn">
                <button type="button" class="add-btn btn" onClick={this.addToCart.bind(this)}>BELI</button>
            </span>
        );
    }
}

const mapStoreToProps = (store) => {
    return {
        products: store.ItemListReducer,
        cartItems: store.CartItemReducer
    }
```

Langkah	Keterangan
2	Class Cart

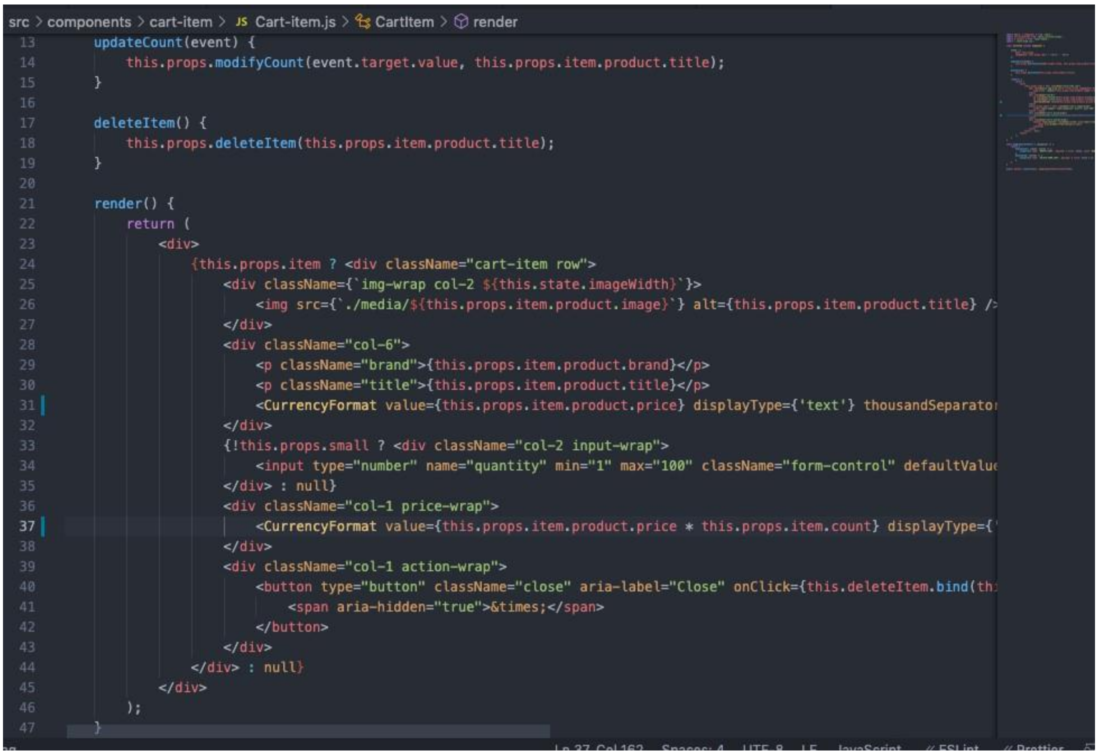


src > components > cart > JS Cart.js > Cart > componentDidMount

```
class Cart extends Component {

    state = {
        totalPrice: 0
    }

    componentDidMount() {
        this.updateTotal();
    }

    componentDidUpdate(prevProps, prevState) {
        if (prevProps.cartItems !== this.props.cartItems) {
            this.updateTotal();
        }
    }

    updateTotal() {
        let price = 0;
        if (this.props.cartItems.products && this.props.cartItems.products.length > 0) {
            this.props.cartItems.products.map((item) => price = price + item.product.price * item.count);
        }
        this.setState({ totalPrice: price });
    }

    render() {
        return (
            <div className="cart">
                <div className="container">
                    <h1>KERANJANG</h1>
                    <div className="cart-list">
                        {this.props.cartItems.products && this.props.cartItems.products.length > 0 ? this.props.car
                            <CartItem item={item} />
                        ) : <p>Keranjang kamu kosong !</p>}
                        {this.state.totalPrice > 0 ? <div className="total">
                            {<CurrencyFormat value={this.state.totalPrice} displayType={'text'} thousandSeparator={
```

Langkah	Keterangan
	Cart Item

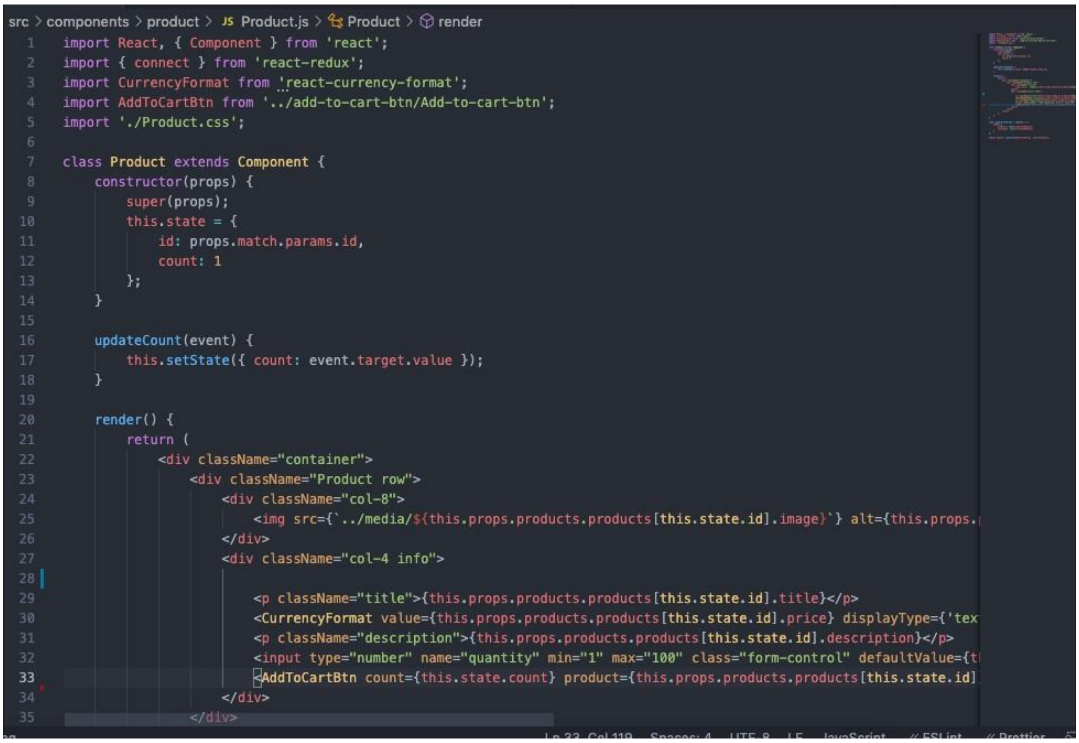
3



src > components > cart-item > Cart-item.js > CartItem > render
Ln 37, Col 162 Spaces: 4 UTF-8 LF JavaScript ✓ ESLint ✓ Prettier

```
    updateCount(event) {
        this.props.modifyCount(event.target.value, this.props.item.product.title);
    }

    deleteItem() {
        this.props.deleteItem(this.props.item.product.title);
    }

    render() {
        return (
            <div>
                {this.props.item ? <div className="cart-item row">
                    <div className={`img-wrap col-2 ${this.state.imageWidth}`}>
                        <img src={`./media/${this.props.item.product.image}`} alt={this.props.item.product.title} />
                    </div>
                    <div className="col-6">
                        <p className="brand">{this.props.item.product.brand}</p>
                        <p className="title">{this.props.item.product.title}</p>
                        <CurrencyFormat value={this.props.item.product.price} displayType={'text'} thousandSeparator
                    </div>
                    {!this.props.small ? <div className="col-2 input-wrap">
                        <input type="number" name="quantity" min="1" max="100" className="form-control" defaultValue
                    </div> : null}
                    <div className="col-1 price-wrap">
                        <CurrencyFormat value={this.props.item.product.price * this.props.item.count} displayType={'
                    </div>
                    <div className="col-1 action-wrap">
                        <button type="button" className="close" aria-label="Close" onClick={this.deleteItem.bind(thi
                            <span aria-hidden="true">&times;</span>
                        </button>
                    </div>
                </div> : null}
            </div>
        );
    }
```

4 Class Product

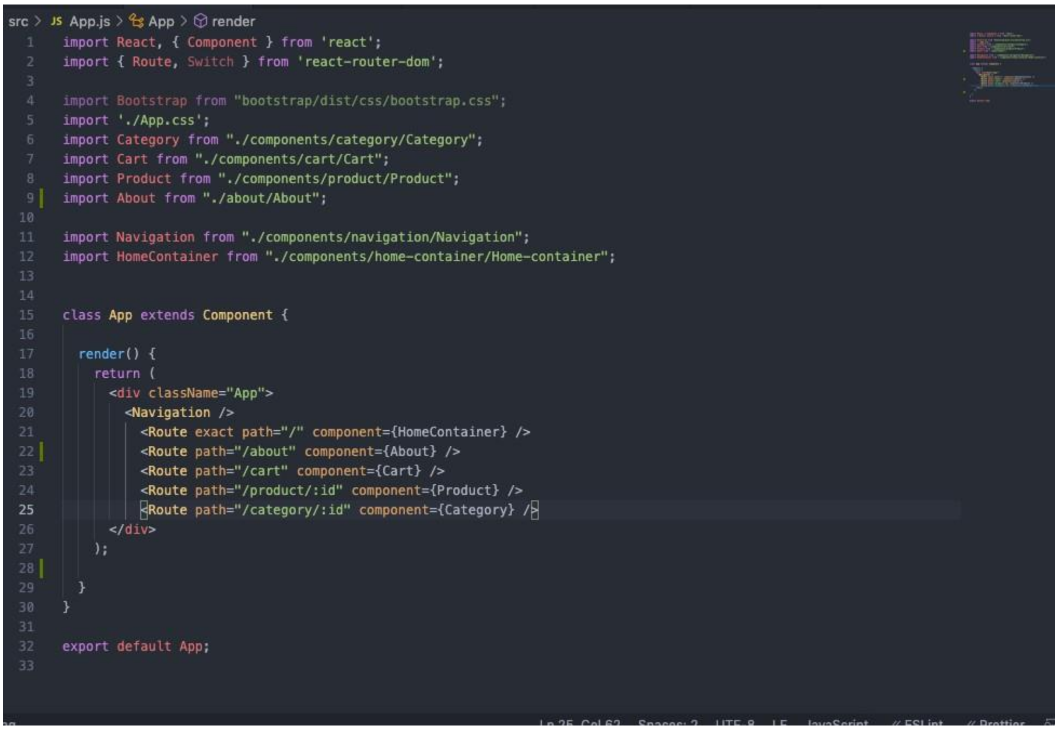


src > components > product > Product.js > Product > render
Ln 33, Col 119 Spaces: 4 UTF-8 LF JavaScript ✓ ESLint ✓ Prettier

```
import React, { Component } from 'react';
import { connect } from 'react-redux';
import CurrencyFormat from 'react-currency-format';
import AddToCartBtn from '../add-to-cart-btn/Add-to-cart-btn';
import './Product.css';

class Product extends Component {
    constructor(props) {
        super(props);
        this.state = {
            id: props.match.params.id,
            count: 1
        };
    }

    updateCount(event) {
        this.setState({ count: event.target.value });
    }

    render() {
        return (
            <div className="container">
                <div className="Product row">
                    <div className="col-8">
                        <img src={`../media/${this.props.products.products[this.state.id].image}`} alt={this.props.
                    </div>
                    <div className="col-4 info">

                        <p className="title">{this.props.products.products[this.state.id].title}</p>
                        <CurrencyFormat value={this.props.products.products[this.state.id].price} displayType={'tex
                        <p className="description">{this.props.products.products[this.state.id].description}</p>
                        <input type="number" name="quantity" min="1" max="100" class="form-control" defaultValue={t
                        <AddToCartBtn count={this.state.count} product={this.props.products.products[this.state.id]
                    </div>
                </div>
```

Class app

5

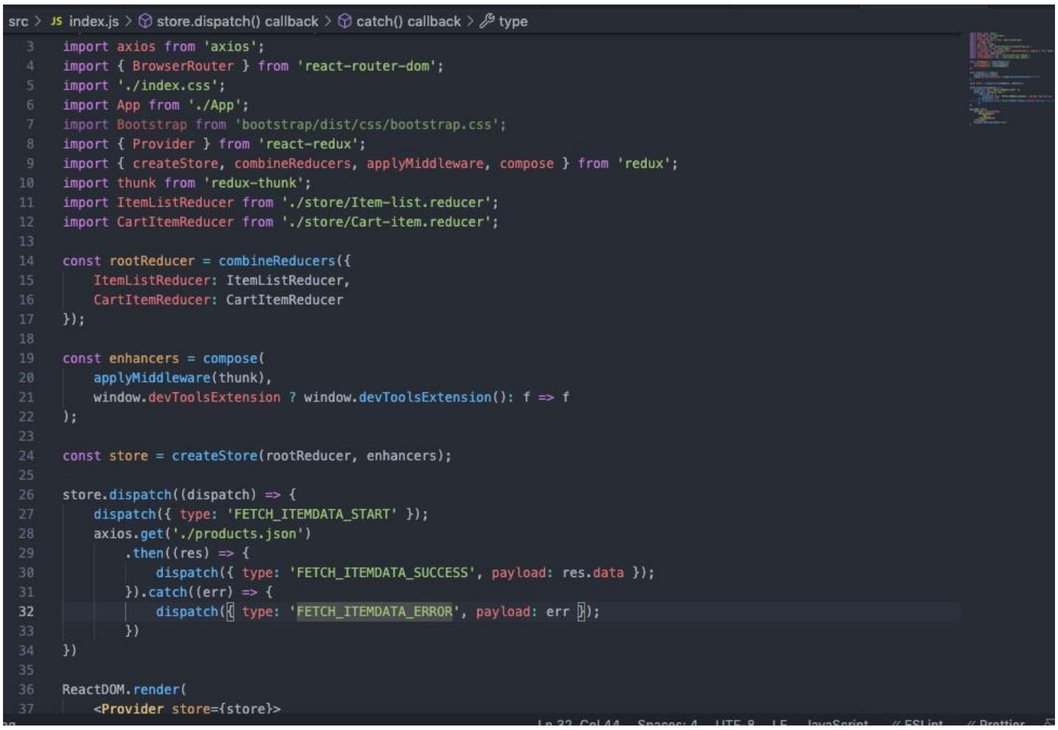


src > JS App.js > App > render

```
import React, { Component } from 'react';
import { Route, Switch } from 'react-router-dom';

import Bootstrap from "bootstrap/dist/css/bootstrap.css";
import './App.css';
import Category from "./components/category/Category";
import Cart from "./components/cart/Cart";
import Product from "./components/product/Product";
import About from "./about/About";

import Navigation from "./components/navigation/Navigation";
import HomeContainer from "./components/home-container/Home-container";


class App extends Component {

  render() {
    return (
      <div className="App">
        <Navigation />
          <Route exact path="/" component={HomeContainer} />
          <Route path="/about" component={About} />
          <Route path="/cart" component={Cart} />
          <Route path="/product/:id" component={Product} />
          <Route path="/category/:id" component={Category} />
      </div>
    );

  }
}

export default App;
```

Ln 25, Col 62   Spaces: 2   UTF-8   LF   JavaScript   ✓ ESLint   ✓ Prettier

6 Class index.js

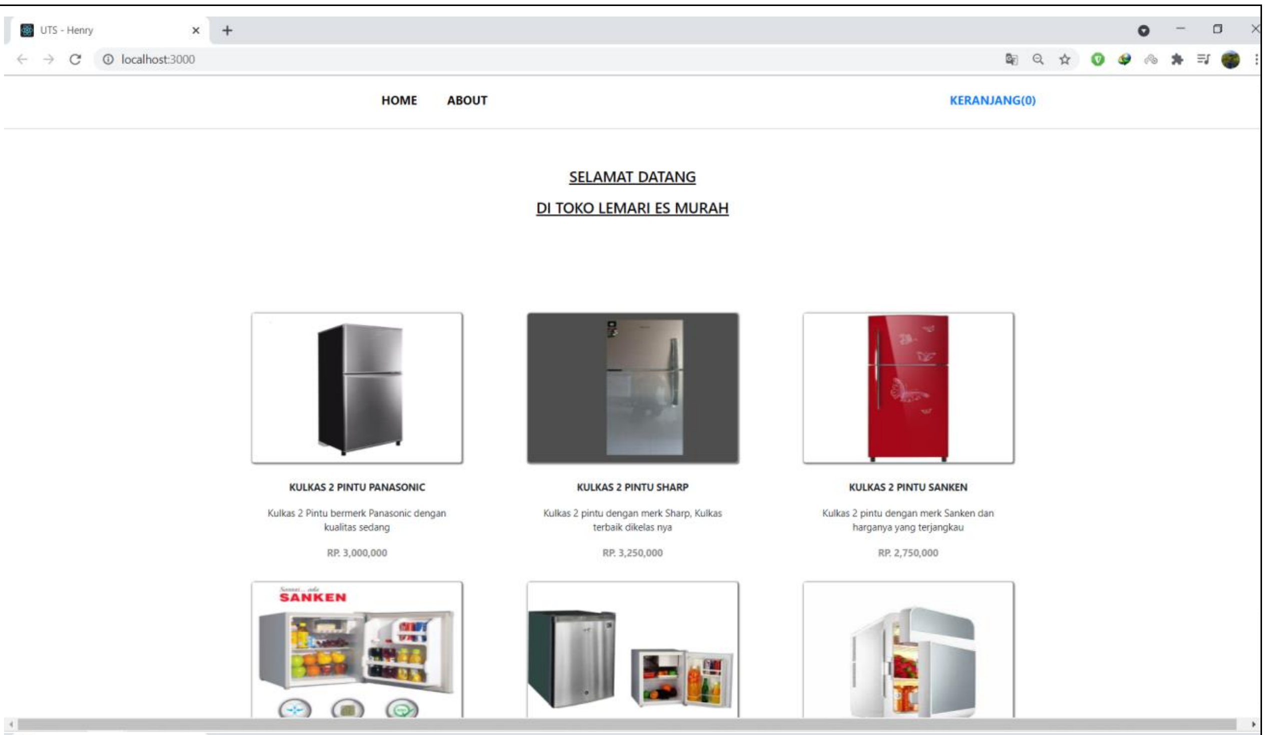


src > JS index.js > store.dispatch() callback > catch() callback > type

```
import axios from 'axios';
import { BrowserRouter } from 'react-router-dom';
import './index.css';
import App from './App';
import Bootstrap from 'bootstrap/dist/css/bootstrap.css';
import { Provider } from 'react-redux';
import { createStore, combineReducers, applyMiddleware, compose } from 'redux';
import thunk from 'redux-thunk';
import ItemListReducer from './store/Item-list.reducer';
import CartItemReducer from './store/Cart-item.reducer';

const rootReducer = combineReducers({
    ItemListReducer: ItemListReducer,
    CartItemReducer: CartItemReducer
});

const enhancers = compose(
    applyMiddleware(thunk),
    window.devToolsExtension ? window.devToolsExtension(): f => f
);

const store = createStore(rootReducer, enhancers);

store.dispatch((dispatch) => {
    dispatch({ type: 'FETCH_ITEMDATA_START' });
    axios.get('./products.json')
        .then((res) => {
            dispatch({ type: 'FETCH_ITEMDATA_SUCCESS', payload: res.data });
        }).catch((err) => {
            dispatch({ type: 'FETCH_ITEMDATA_ERROR', payload: err });
        })
})

ReactDOM.render(
    <Provider store={store}>
```

Ln 32, Col 44   Spaces: 4   UTF-8   LF   JavaScript   ✓ ESLint   ✓ Prettier

7



HOME ABOUT KERANJANG(0)

SELAMAT DATANG

DI TOKO LEMARI ES MURAH

KULKAS 2 PINTU PANASONIC

Kulkas 2 Pintu bermerk Panasonic dengan kualitas sedang

RP. 3,000,000

KULKAS 2 PINTU SHARP

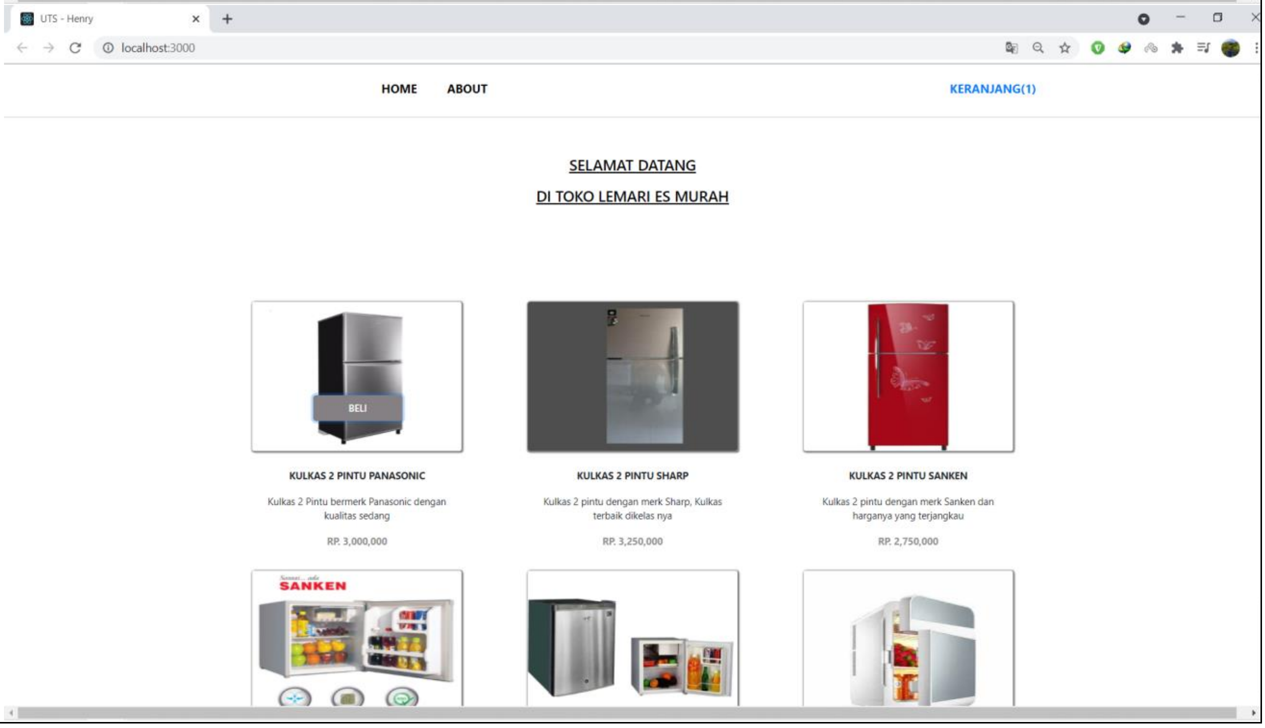
Kulkas 2 pintu dengan merk Sharp, Kulkas terbaik dikelas nya

RP. 3,250,000

KULKAS 2 PINTU SANKEN

Kulkas 2 pintu dengan merk Sanken dan harganya yang terjangkau

RP. 2,750,000



HOME ABOUT KERANJANG(1)

SELAMAT DATANG

DI TOKO LEMARI ES MURAH

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Kulkas 2 Pintu bermerk Panasonic dengan kualitas sedang

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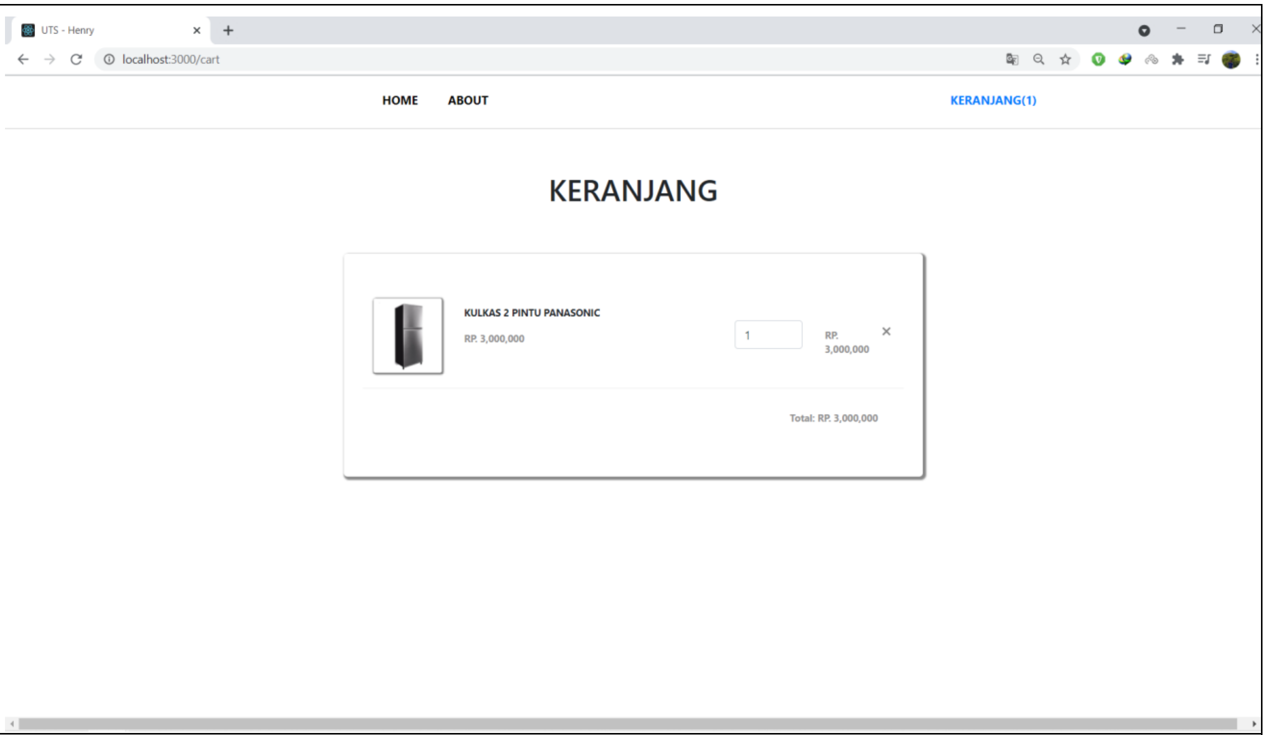
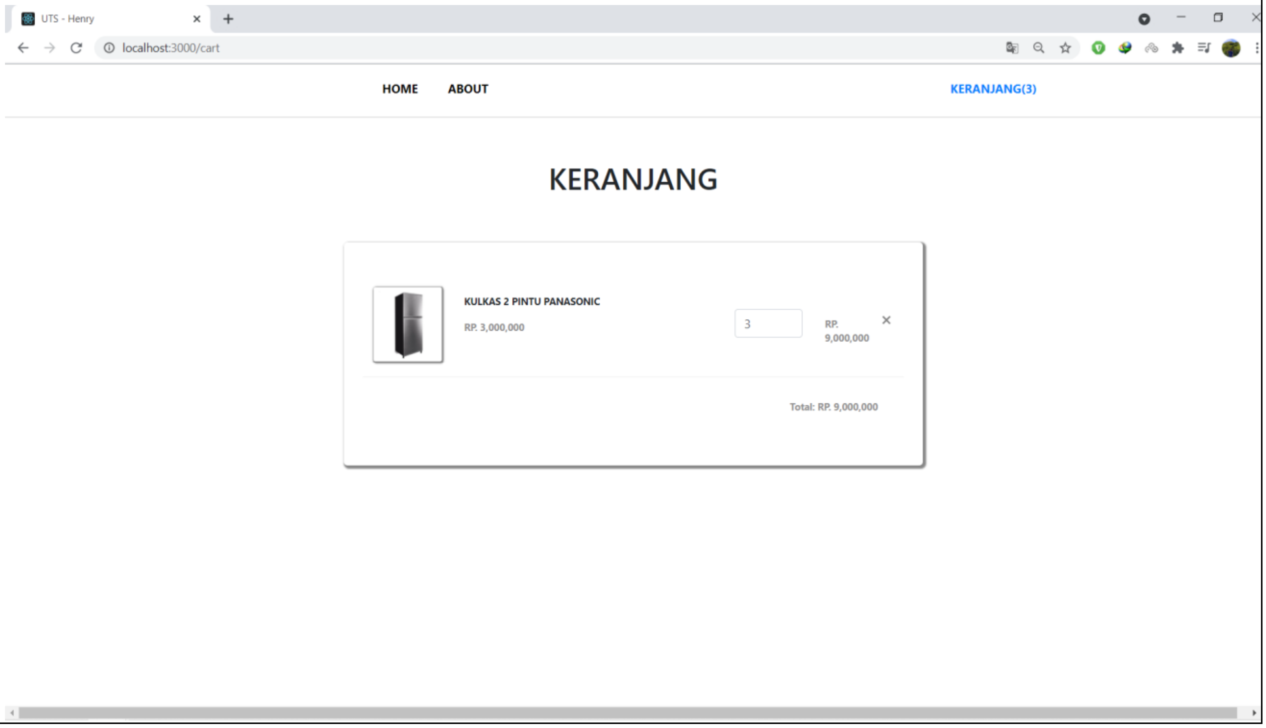
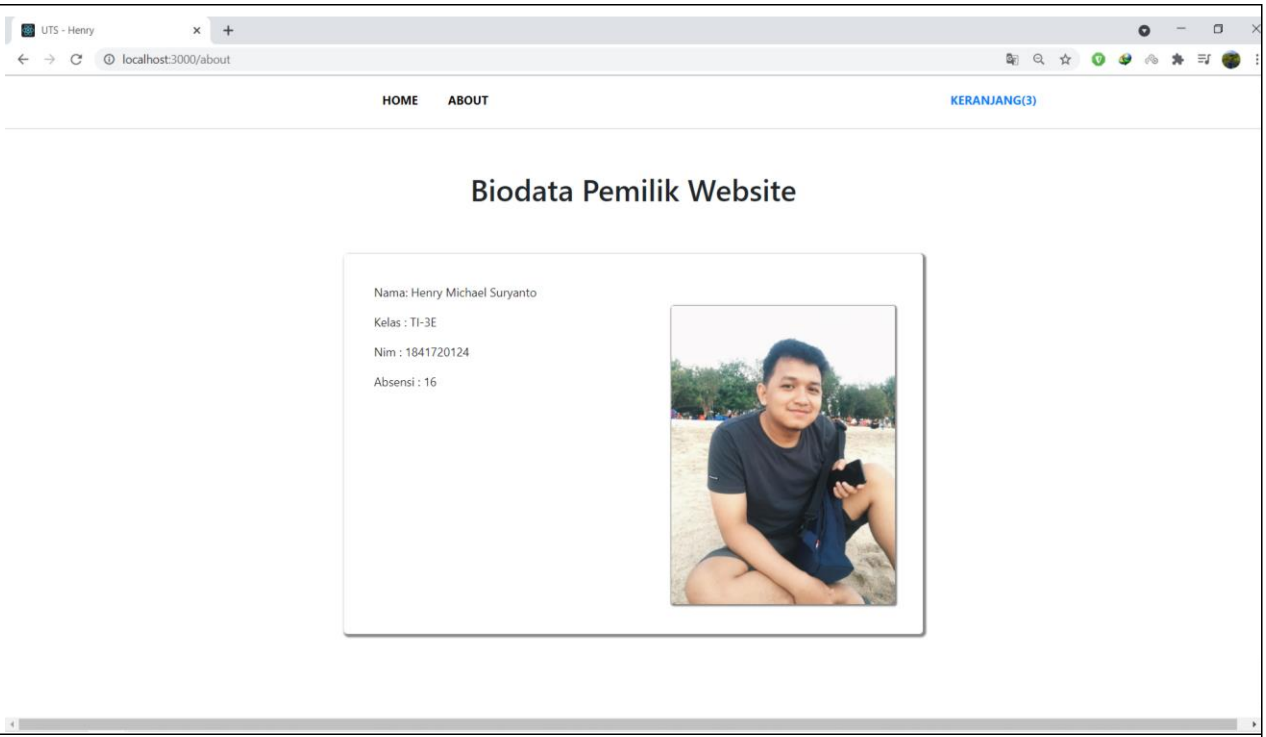
	 UTS - Henry localhost:3000/cart HOME ABOUT KERANJANG(1) KERANJANG KULKAS 2 PINTU PANASONIC RP. 3,000,000 1 RP. 3,000,000 Total: RP. 3,000,000
8	 UTS - Henry localhost:3000/cart HOME ABOUT KERANJANG(3) KERANJANG KULKAS 2 PINTU PANASONIC RP. 3,000,000 3 RP. 9,000,000 Total: RP. 9,000,000

	 UTS - Henry localhost:3000/about HOME ABOUT KERANJANG(3) Biodata Pemilik Website Nama: Henry Michael Suryanto Kelas : TI-3E Nim : 1841720124 Absensi : 16
9	Link Youtube : https://youtu.be/d-IeKS1abtw
	Link Github : https://github.com/henrymic0408/PBF_UTS