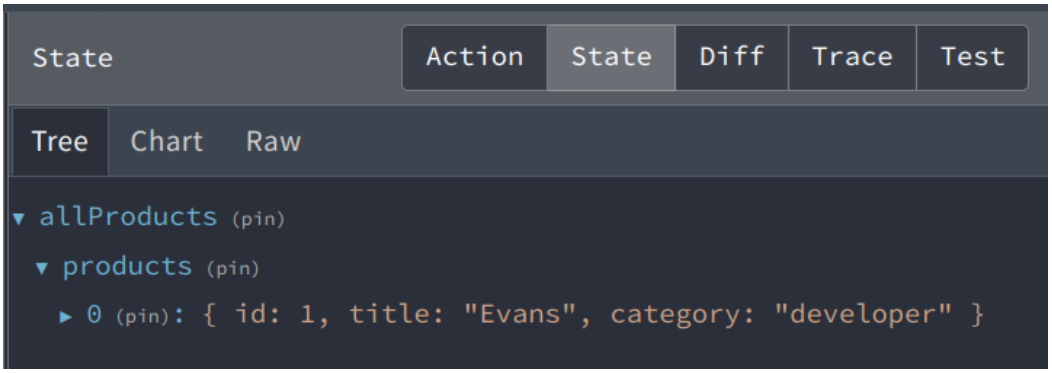
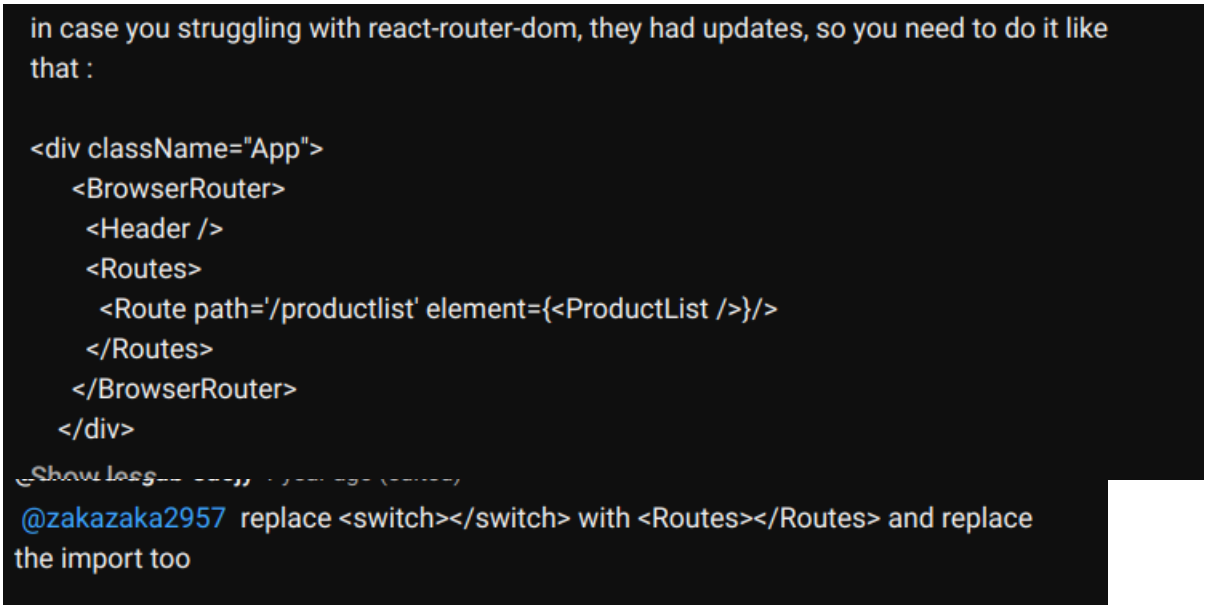
=> reducer always takes initial state and action (state,action)

=> now we will link our store with our react app

-- now you can see that our store state in redux tab



-- and our store contains only one product for now
?? and if want to access the state < item > in any component how we can do that ?
->



=> to access the redux store we use useSelector hook

-- provided by the redux

```
const ProductListing = () => {

    const products = useSelector((state) => state);
    console.log(products);
  return (
    <div className='ui grid container'>
        <h1> ProductListing </h1>
```

--

@rakibulhasanasif2120 1 year ago

In 33:38 min, Don't get confused guys. just change,
This line,
const products = useSelector((state) => state);
to
const products = useSelector((state) => state.allProducts.products);
Thank me later. Maybe somehow that part was cut.

Show less

```
▼ Object i
  ▼ allProducts:
    ▼ products: Array(1)
      ▶ 0: {id: 1, title: 'Evans', category:
        length: 1
      ▶ [[Prototype]]: Array(0)
    ▶ [[Prototype]]: Object
  ▶ [[Prototype]]: Object
```

-- and product is coming from our redux,
-- and now we can use this product to display on our app

```jsx
const ProductComponent = () => {
  const products = useSelector((state) => state.allProducts.products);
  const {id,title} = products[0];

  return (
    <div className='four column wide'>
      {/* <h1> ProductComponent </h1> */}
      <div className='ui link cards'>
        <div className='card'>
          <div className='image'></div>
          <div className='content'>
            <div className='header'>{title}</div>
          </div>
        </div>
      </div>
    </div>
  )
}

export default ProductComponent;
```

FuckShop

Evans

-- and we will be using the fake api store for getting the products / dummy data
-> first we need to setup the axios

Get all products

```
fetch('https://fakestoreapi.com/products')
        .then(res=>res.json())
        .then(json=>console.log(json))
```

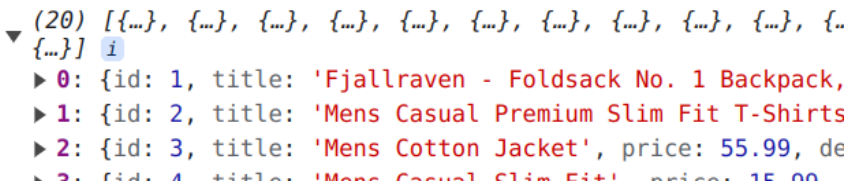
: axios to make http calls :
-> so we will be make request at this end point
-> so first we will be importing in the productList component
-> and as we know we call our fetch function inside the useEffect hook

```
const ProductListing = () => {

    const products = useSelector((state) => state);
    // console.log(products);
    const fetchProducts = async () => {
      const response = await axios.get("https://fakestoreapi.com/products")
      .catch((err) => {
        console.log('Err', err);
      });
      console.log(response);
    };

    useEffect(() => {
      fetchProducts();
    }, [])
```

-> and here you can see that we are getting the result

-> so our api is working and now we have to display these things on the app

=> since we can see that all the products are in the data part so we can do
=> response.data



=> since we are getting this data from the server so we need to store this data in our redux store

? how to add server response to the redux store ?
=> let' see

=> so we need to dispatch an action and it is setProduct :
=> so our actions have setProduct

```
export const setProducts = (products) => {
    return {
        type : Actiontypes.SET_PRODUCTS,
        payload : products,
    };
};
```

-- which takes the products

=> to dispatch we have a redux hook called useDispatch

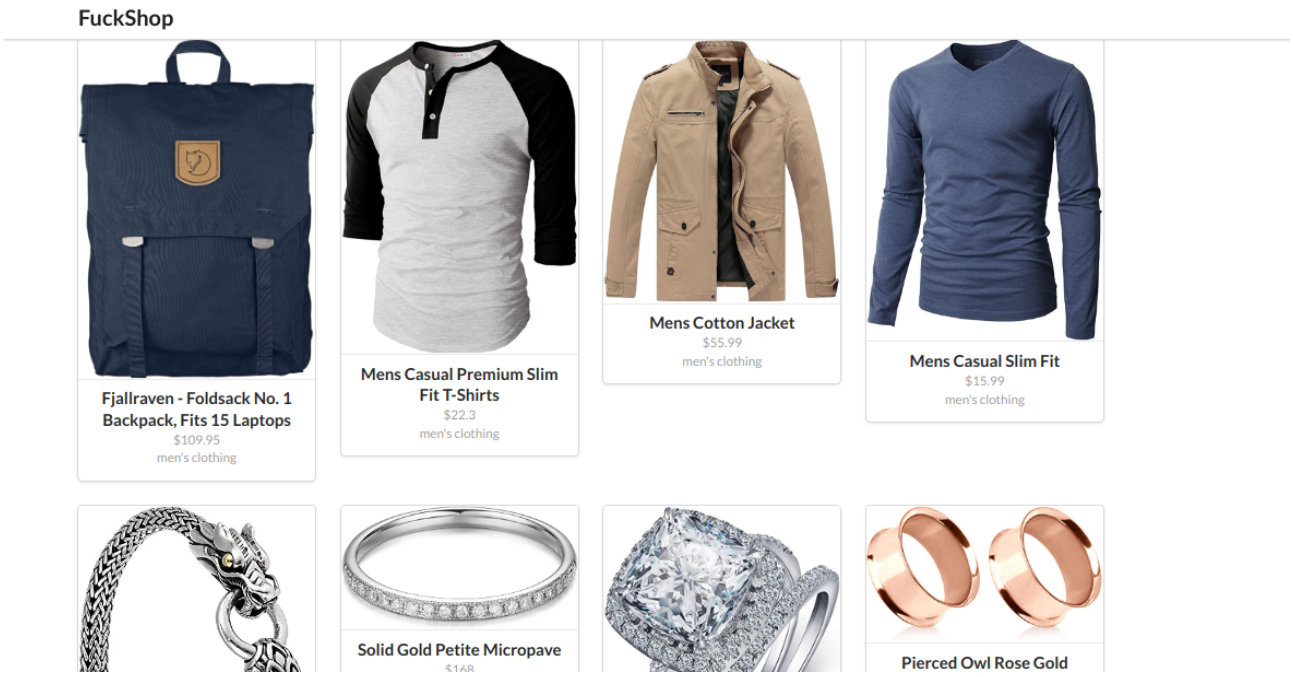
```
const products = useSelector((state)
const dispatch = useDispatch();
});
// console.log(response.data);
dispatch(setProducts(response.data));
```

=> and it returns this object and it will be taken by reducer

```
export const productReducer = (state = initialState, {type, payload}) => {
    switch(type) {
        case Actiontypes.SET_PRODUCTS :
            return state;

        default :
            return state;
    }
}
```

-- and here it accepts the type and payload
-- since we are getting the array so we need to map

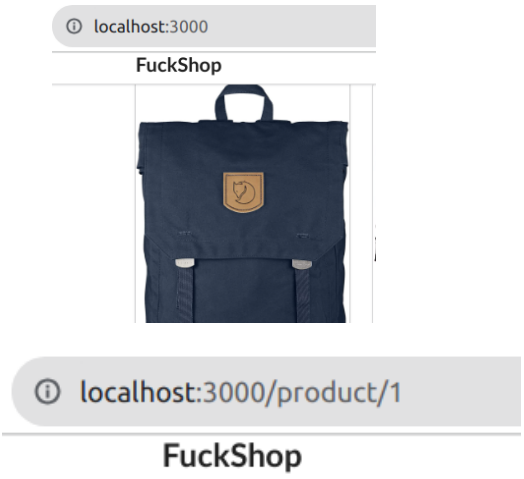
```
const ProductComponent = () => {
  const products = useSelector((state) => state.allProducts.products);
  const renderList =products.map((product) => {
    const {id, title, image, price, category} = product;
    return (
      <div className='four column wide' key={id}>
        {/* <h1> ProductComponent </h1> */}
        <div className='ui link cards'>
          <div className='card'>
            <div className='image'>
              <img src={image} alt={title} />
            </div>
            <div className='content'>
              <div className='header'>{title}</div>
              <div className='meta price'>${price}</div>
              <div className='meta'>{category}</div>
            </div>
          </div>
        </div>
      </div>
    );
  })
```



- now you can see that we are getting the products and now

=> we should go on each individual product when i click on them :
=> so we will using Link which helps us to navigate to product details

=> so we need to wrap our component inside the Link tag
=> and as you can see that we are click we are going on product page /address



=> and since we need this product parameter : product id and again use the fake api store , to make a call and use api for the single product

Get a single product

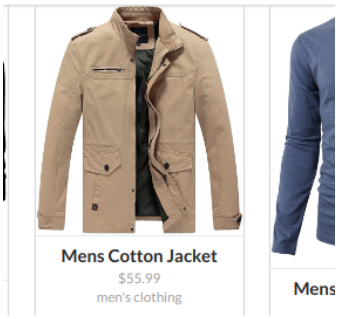
```
fetch('https://fakestoreapi.com/products/1')
        .then(res=>res.json())
        .then(json=>console.log(json))
```

-- and at product details again we will be using axios to make the api calls
=> and we need to get the param values so we need to use useParams
-- useparams helps to get the parameter value

```
import React, {useEffect} from 'react'
import axios from 'axios'
import { useParams } from 'react-router-dom'
```

```
const ProductDetail = () => {
  const {productId} = useParams();
  console.log(productId);
```

-- and now you can see that when we are clicking on the item we are getting the product Id



Products ProductListing.js:25
▶ {allProducts: {…}}
3 ProductDetail.js:8
3 ProductDetail.is:8

-- and using this id we can make an api call : and display the details of the product :
-- and to access the selectedProduct we need to use selector as previous
=> and we need reducer for this so we will be creating the reducer

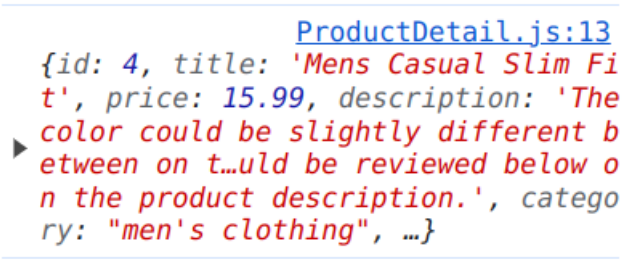
```
const product = useSelector((state) => state.product)
```

--

```
export const selectedProductReducer = (state={}, {type, payload}) => {
    switch(type) {
        case Actiontypes.SELECTED_PRODUCT:
            return{...state, ...payload};

        default:
            state;
    }
}
```

-- so now we have reducer and let's go to product dtails and before that we need to add this reducer to the combined reducer
=> let' see the product :

=> now you can see that when we are clicking on that we are getting the product details



-- and now we need to display the data < via writing the jsx >

=> so finally it's working and
** there is a problem whenever i am clicking on the product first it displays the old one and then new one : so we need to remove the product from the selected when it get destroyed :

=> and we have our action type remove selected product :

```
export const Actiontypes = {
  SET_PRODUCTS: "SET_PRODUCTS",
  SELECTED_PRODUCT: "SELECTED_PRODUCT",
  REMOVE_SELECTED_PRODUCT: "REMOVE_SELECTED_PRODUCT",
};
```

=> let's create the action :

```
};
export const removeSelectedProduct = (product) => {
    return {
        type : Actiontypes.SELECTED_PRODUCT,
        // payload : product,
        // we didnot get anything
    };
};
```

-- and now go to the reducer and add the condition for the reducer

```
case Actiontypes.SELECTED_PRODUCT:
    return{...state, ...payload};

case Actiontypes.REMOVE_SELECTED_PRODUCT:
    return{};
```

=>added one more condition so when remove selected then return empty :
=> and now we can go to the details and dispatch the action

```
useEffect(() => {
  if (productId && productId !== "") fetchProductDetail();
  return () => {
    dispatch(removeSelectedProduct)
  }
```