Import {Provider} from react-redux

<Provider store ={appStore}>

<BrowserRouter>

<App/>

</BrowserRouter>

</Provider>,document.getElementById("root"));

Need to Connect our Component to State

Redux state to be connected with required component

React-redux library – “Connect Function(function,function,component)” – function within a Function

We need to inject state to Connect function, react allows it.

Using dependency Injection.

State🡪 action 🡪 dispatcher

Connect(Function – State, Function – Action for Dispatcher)

How do we get the data from Productlist Component

The state & dispatcher is now available as acomponent

//export default connect(ProductList) -- CHANGED AS BELOW

export default connect(mapStateToProps)(ProductList)

To Map the Props to the state & dispatcher

Use **mapStatetoProps** function

function mapStateToProps(state) {

console.log("MAP STATE TO PROPS");

return { products: state }

}

// The Function will return the Component ProductList as a object

//export default connect(ProductList) -- CHANGED AS BELOW

export default connect(mapStateToProps)(ProductList)

ProductLists.js

import React, { Component } from "react";

import { connect } from "react-redux";

export class ProductList extends Component {

render() {

console.log(this.props.products);

return (<div>

<h3>List of Products</h3>

<table className="table table-bordered">

<thead>

<tr>

<th>Name</th>

<th>Price</th>

<th>Action</th>

</tr>

</thead>

<tbody>

</tbody>

</table>

</div>)

}

}

function mapStateToProps(state) {

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}

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function mapStateToProps(state) {

console.log("MAP STATE TO PROPS");

return { products: state }

//property - Products

//vvalue - state

}

// The Function will return the Component ProductList as a object

//export default connect(ProductList) -- CHANGED AS BELOW

export default connect(mapStateToProps)(ProductList)

//ProductList is now a props this.props.products

ProductList.js

import React, { Component } from "react";

import { connect } from "react-redux";

export class ProductList extends Component {

render() {

//console.log(this.props.products);

let output = null;

if (this.props.products.length > 0) {

output = this.props.products.map((product) => {

return <tr key={product.id}>

<td>{product.name}</td>

<td>{product.name}</td>

<td><button className="btn btn-primary" >Add to Cart</button></td>

</tr>

})

}

else

{

output = <tr><td colSpan="3"> No Products </td></tr>

}

return (<div>

<h3>List of Products</h3>

<table className="table table-bordered">

<thead>

<tr>

<th>Name</th>

<th>Price</th>

<th>Action</th>

</tr>

</thead>

<tbody>

{output}

</tbody>

</table>

</div>)

}

}

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console.log("MAP STATE TO PROPS");

return { products: state }

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//ProductList is now a props this.props.products

Index.js

//Steps for Component Based on Class

import App from './components/App';

import ReactDOM from "react-dom"

import React from "react"

import '../node\_modules/bootstrap/dist/css/bootstrap.css';

import {BrowserRouter} from "react-router-dom";

//import BrowserRouter from 'react-router-dom/BrowserRouter';

import {createStore} from "redux";

import {Provider} from "react-redux";

let productsData = [

{ "id" :1 , "name" : "Bravia", "price": 75000},

{ "id" :2 , "name" : "Galaxy", "price": 50000},

{ "id" :3 , "name" : "Bose", "price": 40000}]

let productsReducer= (state=productsData, action) => {

switch(action.type){

case "ADD\_TO\_CART":

console.log("In Cart Addition" + productsData);

return state;

default:

return state;

}

}

let appStore=createStore(productsReducer)

console.log("From Index Js ")

console.log(appStore.getState())

ReactDOM.render(

<Provider store ={appStore}>

<BrowserRouter>

<App/>

</BrowserRouter>

</Provider>,document.getElementById("root"));

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