REDUX

Working with redux

* Npm init -y
* npm install redux
* import in node Const redux = require(‘redux’);
* 4. We need to setup all 4 basic things
  + Reducer
  + Store
  + Subscriber
  + Actions
* **Node redux-demo.js** command to run **node server**

REDUX START

const redux = require('redux');

const INITIAL\_VALUE = {

    counter:0

}

const reducer = (store = INITIAL\_VALUE,action) => {

    let newStore = store;

    if(action.type === 'INCREMENT'){

        newStore = {counter: newStore.counter+1}

    }else if(action.type === 'DECREMENT'){

        newStore = {counter: newStore.counter-1}

    }else if(action.type === 'ADDITION'){

        newStore = {counter: newStore.counter + action.payload.number}

    }

     return newStore

}

const store = redux.createStore(reducer);

const subscriber = () => {

    const state = store.getState(); // get current state

    console.log(state);

}

store.subscribe(subscriber);

store.dispatch({type:'INCREMENT'});

store.dispatch({type:'DECREMENT'});

store.dispatch({type:'INCREMENT'});

store.dispatch({type:'ADDITION',payload:{number:8}});

REACT WITH REDUX

1. Npm install redux
2. Npm install react-redux
3. CREATE store FOLDER WITH index.js file
4. Creating the store using

Import {createStore} from redux

1. Providing the store with react

Provider from react-redux

<Provider store={store}><App/></Provider>

1. Using the store

UseSelector hook gets a slice of the store

Const counter = useSelector(state => state.counter);

Subscription is already setup and only will re-execute

When only your slice is changed. Subscription is

Automatically cleared also.

1. Dispatch Actions using useDispatch hook