Welcome to "Be a Redux Reaper" Mission

23-2 What Will You Learn?

23-6 Inner workings of redux.

Store

Redux

State

Short note :

Reducer => How to do

Action => What to do

Store => What to store

Docs: <https://redux.js.org/tutorials/essentials/part-1-overview-concepts>

23-7 Set Up a Redux Store.

23-8 Creating your first slice.

Item logo image for Redux DevTools

# Redux DevTools

- extension added

Inspect > Redux >

If @@INIT

Connected

else

Not Connect

Redux-dev tools -> right-side “Action” –>“ state”should be selected

counterSlice.ts:

import { createSlice } from "@reduxjs/toolkit";

const initialState = {

    count: 0,

};

const counterSlice = createSlice({

    name: "counter",

    initialState,

    reducers: {},

});

export default counterSlice.reducer ;

23-9 Write Actions in Redux.

import { createSlice } from "@reduxjs/toolkit";

const initialState = {

    count: 0,

};

const counterSlice = createSlice({

    name: "counter",

    initialState,

    reducers: {

        increment: (state)=>{

            state.count = state.count + 1;

        },

        decrement: (state)=>{

            state.count = state.count - 1;

        },

    },

});

export const {increment, decrement} = counterSlice.actions ;

export default counterSlice.reducer ;

App.tsx :

import { useDispatch } from "react-redux";

import { decrement, increment } from "./redux/features/counter/counterSlice";

function App() {

  const dispatch = useDispatch();

  const handleIncrement = () => {

    dispatch(increment());

  };

  const handleDecrement = () => {

    dispatch(decrement());

  };

  return (

    <div>

      <h1>Counter with Redux</h1>

      <button onClick={handleIncrement}>Increment</button>

      <div>0</div>

      <button onClick={handleDecrement}>Decrement</button>

    </div>

  );

}

export default App

23-10 Use State and Fix TypeScript Errors.

hook.ts :

import { useDispatch, useSelector } from "react-redux";

import { AppDispatch, RootState } from "./store";

export const useAppSelector = useSelector.withTypes<RootState>();

export const useAppDispatch = useDispatch.withTypes<AppDispatch>();

23-11 Add Data with Action Payloads.

App.tsx:

import { useDispatch } from "react-redux";

import { decrement, increment } from "./redux/features/counter/counterSlice";

import { useAppSelector } from "./redux/hook";

function App() {

  const dispatch = useDispatch();

  const {count} = useAppSelector((state) => state.counter);

  const handleIncrement = (amount:number) => {

    dispatch(increment(amount));

  };

  const handleDecrement = () => {

    dispatch(decrement());

  };

  return (

    <div>

      <h1>Counter with Redux</h1>

      <button onClick={()=> dispatch(increment(5))}>Increment by 5</button>

      <button onClick={()=> dispatch(increment(1))}>Increment by 1</button>

      <div>{count}</div>

      <button onClick={handleDecrement}>Decrement</button>

    </div>

  );

}

export default App