

Code source :

store.js

```
import postReducer from './postsSlice'
import usersReducer from './usersSlice'
import { configureStore } from '@reduxjs/toolkit';

export const store=configureStore({
  reducer:{

    posts:postReducer,
    users:usersReducer
  }
})
```

postsSlice.js

```
import { createSlice } from "@reduxjs/toolkit";
const initialState=[
  {
    id:1,
    title:"React Course",
    content:"Awsome course",
    reactions:{
      like:0,
      dislike:0,
      wow:0
    }
  },
  {
    id:2,
    title:"How to learn python language",
    content:"we have enjoyed with you",
    reactions:{
      like:0,
      dislike:0,
      wow:54
    }
  }
]
const postsSlice=createSlice({
  name:"posts",
  initialState,
  reducers:{
    addPost:(state,action)=>{

      state.push(action.payload)
    },
  },
})
```

```
addReaction:(state,action)=>{
  const post=state.find((item)=>item.id==action.payload.id)
```

```
  post.reactions[action.payload.reaction]++
}
})
export const {addPost,addReaction}=postsSlice.actions
export default postsSlice.reducer
```

usersSlice.js

```
import { createSlice } from "@reduxjs/toolkit";
const initialState=[
  {id:1,name:"Soumia"},
  {id:2,name:"Fouad"},
  {id:3,name:"Mohammed"},
]
const usersSlice=createSlice({
  name:"users",
  initialState,
  reducers:{

  }
})
export default usersSlice.reducer
```

App.js

```
import React from "react";
import { useSelector } from "react-redux";
import '../Styles/posts.css'
import Post from "../Post"
import AddPostForm from "../AddPostForm";
export default function App(){
  const posts=useSelector((state)=>state.posts)
  return (<div className="container">
    <h1>Posts List</h1>
    <AddPostForm />
    <section>
      {posts.map((item)=>{
        <Post key={item.id} post={item}/>
      })}
    </section>
  </div>)
}
```

Post.js

```
import React from "react"
import Reactions from "../Reactions"
export default function Post(props){
  const {title,content,author,date}=props.post

  return (
    <article>
      <h3> {title}</h3>
      <p>{content}</p>
      <small>Posted by {author} at {date}</small>
      <Reactions post={props.post}/>
    </article>
  )
}
```

AddFormPost.js

```
import React, { useState } from "react";
import { nanoid } from '@reduxjs/toolkit'
import { useDispatch, useSelector } from "react-redux";
import { addPost } from "../features/postsSlice";
import produce from "immer";
export default function AddPostForm(){
  const dispatch=useDispatch()
  const users=useSelector((state)=>state.users)
  const [post,setPost]=useState({title:"",content:"",author:""})
  const handleClick=(e)=>{
    e.preventDefault();
    const newpost=produce(post,draft=>{
      draft.reactions={ like:0,dislike:0,wow:0}
      draft.id=nanoid();
      draft.author=post.author
      draft.date=new Date().toLocaleTimeString()
    })

    dispatch(addPost(newpost))
    setPost({title:"",content:"",author:""})
  }
  const handleChange=(e)=>{
    const newpost=produce(post,draft=>{
      draft[e.target.name]=e.target.value
    })
  }
}
```

```
  })
  setPost(newpost)
}
```

```
  return <div className="addPost">
    <h2>Add Post</h2>
    <form onSubmit={handleClick}>
      <div className="form-group">
        <label htmlFor="title" className="form-label">Title : </label>
        <input type="text" value={post.title} name="title"
onChange={handleChange} className="form-control"/>
      </div>
      <div className="form-group">
        <label htmlFor="author" className="form-label">Author : </label>
        <select name="author" value={post.author} onChange={handleChange}
className="form-select">
          <option value="" key="0"></option>
          {
            users.map((item)=><option key={item.id} value={item.name}>
              {item.name}
            </option>)
          }
        </select>
      </div>
      <div className="form-group">
        <label htmlFor="content" className="form-label">Content
: </label>
        <textarea type="text" value={post.content} name="content"
onChange={handleChange} className="form-control"/>
      </div>
      <button disabled={!post.title && post.content && post.author}>
className="btn btn-secondary btn-lg mt-2 col-md-12">Add Post</button>
    </form>
  </div>
}
```

Reactions.js

```
import produce from "immer";
import React, { useEffect, useState } from "react";

import { useDispatch, useSelector } from "react-redux";
import { addReaction } from "../features/postsSlice"

export default function Reactions(props)
{const dispatch=useDispatch()
}
```

```
const handleClick=(e)=>{
  e.preventDefault()
```

```
  const obj={reaction:e.target.name,id:props.post.id}
  dispatch(addReaction(obj))
}
```

```
return <div>
```

```
  <button className='btn' style={{color:"white"}} name="like"
onClick={handleClick} > Like
  </button>
  <small>{props.post.reactions.like}</small>
  <button className='btn' style={{color:"white"}} name="dislike"
onClick={handleClick} > Dislike
  </button>
  <small>{props.post.reactions.dislike}</small>
  <button className='btn' style={{color:"white"}} name="wow"
onClick={handleClick} >Wow
  </button>
  <small>{props.post.reactions.wow}</small>
</div>
}
```

Index.js

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import {Provider} from 'react-redux'
import 'bootstrap/dist/css/bootstrap.css'
import {store} from '../components/Posts/features/store'
import App from '../components/Posts/components/App'
```

```
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <Provider store={store}>
    <App/>
  </Provider>
);
```