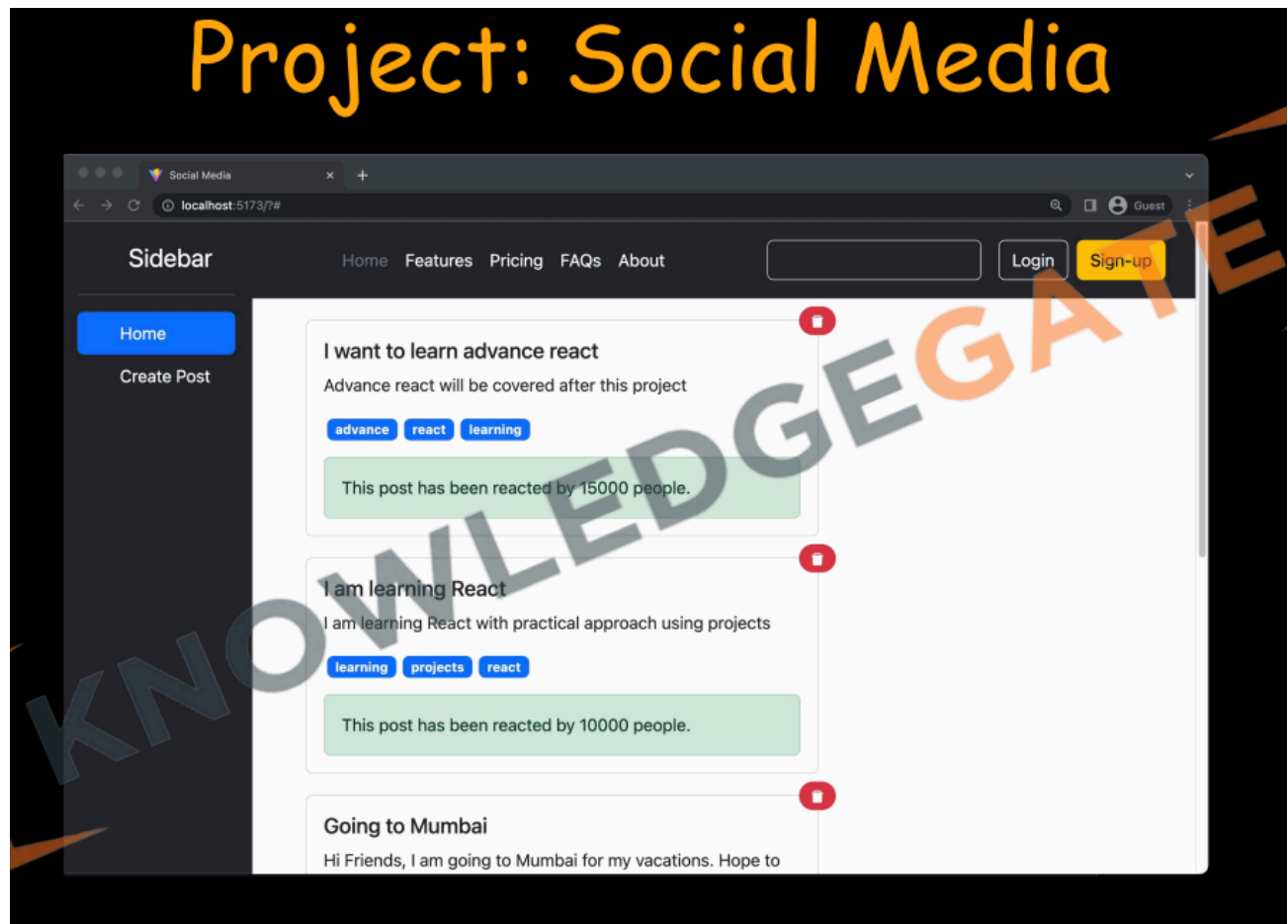# Project 1 : Social Media App

Step 1: Header bna do

Step 2: Footer bna do

Step 3: Sidebar bna do

    3.1: Jb home aur Create Post wale list pe click ho to wo respectively blue ho jaye

    3.2: Jb home pe click ho to sara post wala page dikhe aur Create post pe click ho to ek form jaisa page dikhe

Step 4: Jb form wale page pe koi details enter kre aur submit kre to sara details kahi save ho Jaye.

Step 5: Ush details ke basis pe ek naya post create ho jaye

Step 6. Delete Icon pe click kre to wo post delete ho jaye

App.jsx

```jsx
import "bootstrap/dist/css/bootstrap.min.css";
import "./App.css";
import Header from "./components/Header";
import Footer from "./components/Footer";
import Sidebar from "./components/Sidebar";
import CreatePost from "./components/CreatePost";
import PostList from "./components/PostList";
import { useState } from "react";
import PostListProvider from "./store/post-list-store";

function App() {
  const [selectedTab, setSelectedTab] = useState("Home");//yahan hai value

  return (
    <PostListProvider>
      <div className="app-container">
        <Sidebar
          selectedTab={selectedTab}
          setSelectedTab={setSelectedTab} ></Sidebar>
//pass kiye value kyunki ish basis pe ye color change karega(3.1)
        <div className="content">
          <Header></Header> //(1)
          {selectedTab === "Home" ? (
            <PostList></PostList>
          ) : (
            <CreatePost></CreatePost>
          )} //value basis pe rendering change karega(3.2)
          <Footer></Footer> //(2)
        </div>
      </div>
    </PostListProvider>
  );
}

export default App;
```

Header.jsx

```jsx
const Header = () => {
  return (
<header className="p-3 text-bg-dark">...Tip do kahin se
</header>
  );
};
export default Header;
```

Footer.jsx

```jsx
const Footer = () => {
  return (
<div className="container">...Tip do kahin se
</div>
  );
};
export default Footer;
```

Sidebar.jsx

```jsx
const Sidebar = ({ selectedTab, setSelectedTab }) => {  //2 input receive kiya
  return (                     //selectedTab currentValue h
    <div                  // setSelectedTab ek method h value set krne ka
      className="d-flex flex-column flex-shrink-0 p-3 text-bg-dark
      sidebar"
      style={{ width: "180px" }}
    >
  <a ...  </a>
  <hr />
{/* Sidebar ka heading aur hr uske niche */}
<ul className="nav nav-pills flex-column mb-auto">
<li
        className="nav-item"
        onClick={() => {
        setSelectedTab("Home");
        }}
      > //jaise ispe koi click kare ye value: home set kr de
        <a
          href="#"
          className={`nav-link text-white ${
            selectedTab === "Home" && "active"
          }`} //selectedTab agar home hai to active class lg jaye
```

```jsx
              aria-current="page"
            >
              <svg className="bi pe-none me-2" width="16" height="16">
                <use xlinkHref="#home"></use>
              </svg>
              Home
            </a>
          </li>
{/* Ye pahla list h Home wala  */}
<li
          onClick={() => {
            setSelectedTab("Create Post");
          }}
        > //jaise ispe koi click kare ye value: Create Post set kr de
          <a
            href="#"
            className={`nav-link text-white ${
              selectedTab === "Create Post" && "active"
            }`} //selectedTab agar Create Post hai to active class lg jaye
          >
              <svg className="bi pe-none me-2" width="16" height="16">
                <use xlinkHref="#speedometer2"></use>
              </svg>
              Create Post
          </a>
        </li>
      </ul>
      <hr />
{/* Ye dusra list h Create Post wala  */}

<div className="dropdown"> ...Tip do
</div>
    </div>
  );
};
export default Sidebar;
```

```jsx
PostList.jsx
import { useContext } from "react";
import Post from "./Post"; //nameconflict ke liye as use kiye hain
import { PostList as PostListData } from "../store/post-list-store";
const PostList = () => {
  const { postList } = useContext(PostListData);
  return (     //PostList me se postList pakad kr lao, context file se
    <>
      {postList.map((post) => (
        <Post key={post.id} post={post} />
      ))} //postList me se ek ek post nikalo aur as a prop return kr do child ko
    </> ); }; export default PostList;


Post.jsx   (ek post create karne ka kaam ye karta hai)
import { useContext } from "react";
import { AiFillDelete } from "react-icons/ai"; //react icon laye
import { PostList } from "../store/post-list-store";
const Post = ({ post }) => { //PostList ka post receive kiye
  const { deletePost } = useContext(PostList);
  return ( //PostList me se deletePost pakad kr lao, context file se
    <div className="card post-card" style={{ width: "30rem" }}>
      <div className="card-body">
        <h5 className="card-title">
          {post.title} //title set karne ke liye
          <span
            className=" btn position-absolute top-0 start-100
translate-middle badge rounded-pill bg-danger"
            onClick={() => deletePost(post.id)}
          > <AiFillDelete /> </span>
        </h5> //jaise hi koi icon pe click kre ye deletePost method ko call kre
        <p className="card-text">{post.body}</p>//body set karne ke liye
        {post.tags.map((tag) => (
          <span key={tag} className="badge text-bg-primary hashtag">
            {tag}
          </span>
        ))} //multiple tags ko ek ek karke span me convert karne ke liye
        <div className="alert alert-success reactions" role="alert">
          This post has been reacted by {post.reactions} people.
        </div> </div> </div> );//reactions set karne ke liye
};export default Post;
```

```jsx
CreatePost.jsx
import { useContext, useRef } from "react";
import { PostList } from "../store/post-list-store";
const CreatePost = () => {//PostList me se addPost pakad kr lao, context file se
  const { addPost } = useContext(PostList);
  const userIdElement = useRef();
  const postTitleElement = useRef();
  const postBodyElement = useRef();
  const reactionsElement = useRef();
  const tagsElement = useRef(); //use ref call krke value nikal liye
  const handleSubmit = (event) => {
    event.preventDefault();
    const userId = userIdElement.current.value;
    const postTitle = postTitleElement.current.value;
    const postBody = postBodyElement.current.value;
    const reactions = reactionsElement.current.value;
    const tags = tagsElement.current.value.split(" "); //exact value save kiye

    userIdElement.current.value = "";
    postTitleElement.current.value = "";
    postBodyElement.current.value = "";
    reactionsElement.current.value = "";
    tagsElement.current.value = "";

    addPost(userId, postTitle, postBody, reactions, tags);
  }; addPost ko call krke ye sara value pass kr dega
  return (
    <form className="create-post" onSubmit={handleSubmit}>
      <div className="mb-3"> //onSubmit pe ish method pe call kr do
        <label htmlFor="userId" className="form-label">
          Enter your User Id here
        </label>
        <input
          type="text"
          ref={userIdElement} //sbme ref daal rhe taki value nikal paye
          className="form-control"
          id="userId"
          placeholder="Your User Id"
        />
      </div>
```

```jsx
<div className="mb-3">
  <label htmlFor="title" className="form-label">
    Post Title
  </label>
  <input
    type="text"
    ref={postTitleElement}//sbme ref daal rhe taki value nikal paye
    className="form-control"
    id="title"
    placeholder="How are you feeling today..."
  />
</div>

<div className="mb-3">
  <label htmlFor="body" className="form-label">
    Post Content
  </label>
  <textarea
    type="text"
    ref={postBodyElement}//sbme ref daal rhe taki value nikal paye
    rows="4"
    className="form-control"
    id="body"
    placeholder="Tell us more about it"
  />
</div>

<div className="mb-3">
  <label htmlFor="reactions" className="form-label">
    Number of reactions
  </label>
  <input
    type="text"
    ref={reactionsElement}//sbme ref daal rhe taki value nikal paye
    className="form-control"
    id="reactions"
    placeholder="How many people reacted to this post"
  />
</div>
```

```jsx
        <div className="mb-3">
          <label htmlFor="tags" className="form-label">
            Enter your hashtags here
          </label>
          <input
            type="text"
            className="form-control"
            id="tags"
            ref={tagsElement}//sbme ref daal rhe taki value nikal paye
            placeholder="Please enter tags using space"
          />
        </div>

        <button type="submit" className="btn btn-primary">
          Post
        </button>
      </form>
  );
};
export default CreatePost;
```

App.css

```css
.app-container { display: flex; }
.content { width: 100%; }
.sidebar { min-height: 800px; }
.post-card { margin: 20px 50px; }
.hashtag { margin: 0px 3px; }
.reactions { margin: 15px 0 0 0; }
.create-post {
  width: 80%;
  margin-top: 50px;
  margin-left: 10%;
}
```

post-list-store.jsx

```jsx
import { createContext, useReducer } from "react";

export const PostList = createContext({
  postList: [],
  addPost: () => {},
  deletePost: () => {},
}); //createContext ka initial value h

const postListReducer = (currPostList, action) => {
  let newPostList = currPostList;
  if (action.type === "DELETE_POST") {
    newPostList = currPostList.filter(
      (post) => post.id !== action.payload.postId
    );
  } else if (action.type === "ADD_POST") {
    newPostList = [action.payload, ...currPostList];
  }
  return newPostList;
}; //Ye pure function btaye gye inst. Ke according kaam kr dega

const PostListProvider = ({ children }) => {
  const [postList, dispatchPostList] = useReducer(
    postListReducer,
    DEFAULT_POST_LIST
  ); //reducer bnaye jisme DEFAULT_VALUE aur ek pure function pass kiye

  const addPost = (userId, postTitle, postBody, reactions, tags) => {
    dispatchPostList({
      type: "ADD_POST",
      payload: {
        id: Date.now(),
        title: postTitle,
        body: postBody,
        reactions: reactions,
        userId: userId,
        tags: tags,
      },
    });
  }; //ye method pure function ko kya karna hai ye btayega
```

```
const deletePost = (postId) => {
    dispatchPostList({
        type: "DELETE_POST",
        payload: {
            postId,
        },
    });
};//ye method pure function ko kya karna hai ye btayega

  return (
    <PostList.Provider value={{ postList, addPost, deletePost }}>
      {children}
    </PostList.Provider>
  );
}; //apne sare children ko ye tino value provide krayega

const DEFAULT_POST_LIST = [
  {
    id: "1",
    title: "Going to Mumbai",
    body: "Hi Friends, I am going to Mumbai for my vacations. Hope to
enjoy a lot. Peace out.",
    reactions: 2,
    userId: "user-9",
    tags: ["vacation", "Mumbai", "Enjoying"],
  },
  {
    id: "2",
    title: "Paas ho gye bhai",
    body: "4 saal ki masti k baad bhi ho gaye hain paas. Hard to
believe.",
    reactions: 15,
    userId: "user-12",
    tags: ["Graduating", "Unbelievable"],
  },
];

export default PostListProvider;
```

Project 2 : Myntra Functional Clone (From code)