Titles

Project Name – YouTube Clone

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Introduction

This YouTube Clone project is a full-stack video streaming web application built using the MERN stack (MongoDB, Express.js, React.js, Node.js) and styled with Tailwind CSS. It replicates the core features of YouTube, enabling users to:

- Sign up and log in securely using JWT-based authentication.
- Create their own channel (only one per user).
- Upload videos with metadata such as title, description, thumbnail, category, and URL.
- View and interact with videos through likes, dislikes, and comments.
- Browse content using search and category filters.
- Manage their own uploaded videos (edit/delete).

The goal of this project is to understand how real-world, production-grade fullstack applications are built and structured — involving both frontend and backend integration, RESTful API design, authentication, CRUD operations, and responsive UI/UX practices.

This project is ideal for developers who want hands-on experience building a complete media-sharing platform with user interaction, protected routes, and modern UI responsiveness.

Organized File Structure

Creating a well-organized file structure is crucial for readability, maintainability, and collaboration in any web project. My project is already structured well, and here's a breakdown of each component:

Description of Files:

backend/ - Node.js, Express, MongoDB (API Layer) server.js

- Entry point for the backend server.
- Sets up Express, connects to MongoDB, and mounts routes.
- Runs on a port (e.g., 5000).

Controllers/ – Route handlers

- authController.js
 - o Handles user registration and login.
 - o Returns JWT on login.
- channelController.js
 - o Handles channel creation, fetching channel by ID/user.
 - o Manages one-channel-per-user rule.
- · videoController.js
 - Handles uploading, updating, deleting, liking/disliking, and retrieving videos.
- commentController.js
 - Handles posting, editing, deleting, and fetching comments for a video.

Models/ - Mongoose schemas

- User.js
 - o Schema for user (email, username, password).
- Channel.js
 - o Schema for user's channel.
 - References user and videos.
- Video.js

- Schema for videos.
- o Includes title, category, thumbnail, likes/dislikes, views, channelld, uploader.
- Comment.js
 - Schema for user comments.
 - References video and user.

Routes/ - Express routes

- · authRoutes.js
 - o POST /Api/auth/register
 - POST /Api/auth/login
 - o GET /api/auth/me
- channelRoutes.js
 - o POST /Api/channels create new channel
 - GET /Api/channels/:channelId
 - GET /Api/channels/user/:userId
- videoRoutes.js
 - o POST /Api/videos upload
 - GET /Api/videos list all
 - GET /api/videos/:videoId details
 - PUT /Api/videos/:videoId edit
 - DELETE /Api/videos/:videoId delete
 - POST /Api/videos/:videoId/like
 - POST /Api/videos/:videoId/dislike
- commentRoutes.js
 - POST /Api/comments/:videoId
 - o GET /Api/comments/:videoId
 - o PUT /Api/comments/:commentId
 - o DELETE /Api/comments/:commentId

Middleware/

- authMiddleware.js o
 - Verifies JWT in request headers.
 - Sets req.user if valid.

frontend/ - React + Tailwind CSS (UI Layer) src/

main.jsx

- Entry point for the React app.
- Wraps app in context providers.

App.jsx

- · Main layout.
- Renders Header, Sidebar, and route-based pages.

pages/

- Home.jsx
 - o Lists all videos. o Filters by category.
 - o Fetches videos from context.
- VideoPlayer.jsx
 - o Displays a selected video using iframe.
 - o Handles likes, dislikes, and comment functionality.
- Channel.jsx
 - o Allows user to create channel.
 - o Lists their uploaded videos.
 - o Option to edit or delete.
- UploadVideo.jsx
 - Uploads new video with details like thumbnail, title, category.
 - o Validates and POSTs data.
- EditVideo.jsx
 - Edit existing uploaded video.
- Login.jsx
 - o User login form.
 - o Stores JWT token.
- Register.jsx
 - User registration form.

components/

- Header.jsx
 - o Logo, search bar, sign-in/sign-out button.
 - o Responsive toggle for sidebar.
- Sidebar.jsx
 - o Navigation links: Home, My Channel, Explore.
 - Responsive: hidden on small screen, togglable on medium+ screens.
- VideoCard.jsx
 - Reusable card component to display video thumbnail, title, and metadata.

context/

- AuthContext.jsx
 - Stores user info and JWT.
 - Handles login, logout.
 - Used across protected routes and components.
- VideoContext.jsx
 - Central video store.
 - o Provides all videos and filtered results.
 - Search handler logic for header and home.

api/

- axios.js
 - o Axios instance with base URL (http://localhost:5000/api)
 - o Simplifies importing axios in components.

routes/

- ProtectedRoute.jsx
 - Wraps around routes that require authentication.
 - Redirects unauthenticated users to login.

Creativity and Presentation

This project was developed with both functionality and user experience in mind. The goal was to build a YouTube-like video-sharing platform with a clean UI, responsive layout, and interactive features. Below is an overview of the technologies used to build and style the application.

Backend:

- Node.js JavaScript runtime for building server-side logic.
- Express.js Web framework for creating RESTful APIs.
- MongoDB NoSQL database used for storing users, videos, comments, and channels.
- Mongoose ODM for MongoDB, helps with schema and database operations.
- JWT (JSON Web Token) Used for user authentication and authorization.
- Bcrypt.js For password hashing.
- CORS & doteny Cross-origin access and environment variable configuration.

Frontend:

- React.js Frontend JavaScript library for building the UI.
- React Router Handles navigation between pages (Home, Video, Channel, etc.).
- Axios For making HTTP requests to the backend.
- Tailwind CSS Utility-first CSS framework for fast and responsive styling.
- React Icons For icons used in the UI (e.g., like/dislike, menu, account).
- Vite Development server and bundler for fast React project bootstrapping.

API and Data Flow:

- RESTful APIs built using Express and consumed using Axios on the client side.
- Protected routes ensure that certain pages (like uploading or editing videos) are only accessible to logged-in users.

Other Tools:

- MongoDB Compass For managing and viewing the database.
- **Postman** API testing and development.

Code

Server.js

```
import express from "express"; import mongoose from
"mongoose"; import dotenv from "dotenv"; import cors from "cors";
import authRoutes from "./Routes/authRoutes.js"; import
commentRoutes from "./Routes/commentRoutes.js"; import
channelRoutes from "./Routes/channelRoutes.js"; import
videoRoutes from "./Routes/videoRoutes.js";

//Load environment variable dotenv.config();

const app = express(); const PORT =
process.env.PORT || 5000;

//Middleware app.use(express.json()); app.use(cors());

//API Routes app.use("/api/auth", authRoutes);
app.use("/api/comments", commentRoutes);
app.use("/api/channels", channelRoutes); app.use("/api/videos",
videoRoutes);
```

```
//Routes placeholder
// app.get("/", (req, res) => {
// res.send("Youtube Clone API is running");
/// });

// MongoDB Connection mongoose
.connect(process.env.MONGO_URI)
.then(() => { console.log("Connected to MongoDB");
app.listen(PORT, () => console.log(`Server running on http://localhost:
${PORT}`)
    );
})
.catch((err) => console.log("MongoDB connection error:", err));
```

Models/User.js

```
import mongoose from "mongoose";
const userSchema = new mongoose.Schema(
  username: {
                  type:
String,
required: true,
  }, email: {
                   type:
String,
          required:
        unique: true,
true,
  },
  password: {
                  type:
String,
required: true,
  avatar: {
              type:
String,
default: "",
```

```
},
channels: [
   {
    type: mongoose.Schema.Types.ObjectId,
ref: "Channel",
   },
  ],
 },
      timestamps:
 {
true,
 }
);
const User = mongoose.model("User", userSchema); export default
User;
                                                 Models/Video.js
import mongoose from "mongoose";
const videoSchema = new mongoose.Schema(
 { videoId: {
                   type:
String,
          required:
        unique: true,
true,
  }, title: {
                 type:
          required:
String,
true,
        trim: true,
  },
thumbnailUrl: {
type: String,
required: true,
  },
  description: {
                 type:
String,
          required: true,
  },
  videoUrl: {
                 type:
```

String,

```
required: true,
       channelId: {
type:
mongoose.Schema.Types.ObjectId,
   ref: "Channel",
                      required:
true,
       uploader: {
  },
type:
mongoose.Schema.Types.ObjectId,
   ref: "User",
                  required:
true,
  },
category: {
type: String,
default: "Other",
enum: [
     "Movies",
     "Music",
     "TV Show",
     "Gaming",
     "Education",
     "News",
     "Sports",
     "Travel",
     "Food",
     "Other",
   ], }, views:
     type: Number,
default:
0,
      likes:
[
    type: mongoose.Schema.Types.ObjectId,
    ref: "User",
   },
  ],
dislikes: [
```

```
type: mongoose.Schema.Types.ObjectId,
    ref: "User",
   },
  ],
  uploadDate:
type: Date,
              default:
Date.now,
  },
 },
 { timestamps: true }
);
const Video = mongoose.model("Video", videoSchema); export default
Video;
                                               Models/Comment.js
import mongoose from "mongoose";
const commentSchema = new mongoose.Schema(
   videoId: {
                  type:
mongoose.Schema.Types.ObjectId,
   ref: "Video",
                   required:
true,
      userId: {
                    type:
mongoose.Schema.Types.ObjectId,
   ref: "User",
                  required:
true,
  }, text: {
                type:
String,
          required:
true,
  },
  timestamp: {
type: Date,
default: Date.now,
  },
```

```
},
 {
     timestamps:
true,
);
const Comment = mongoose.model("Comment", commentSchema); export default
Comment;
                                               Models/Channel.js
import mongoose from "mongoose";
const channelSchema = new mongoose.Schema(
 {
  channelName: {
   type: String,
                   required:
true,
       owner: {
  },
type:
mongoose.Schema.Types.ObjectId,
   ref: "User",
                  required:
true,
  },
description: {
type: String,
required: true,
  },
  channelBanner: {
                      type:
          default:
String,
},
  subscribers: {
                   type:
Number,
default: 0,
  },
```

videos: [

{

```
type: mongoose.Schema.Types.ObjectId,
    ref: "Video",
   },
  ],
 },
      timestamps:
 {
true,
 }
);
const Channel = mongoose.model("Channel", channelSchema); export default
Channel;
                                          Middleware/authMiddleware.js
import jwt from "jsonwebtoken";
const authMiddleware = (req, res, next) => { const authHeader
= req.headers.authorization;
 if (!authHeader || !authHeader.startsWith("JWT")) { return
res
   .status(401)
   .json({ error: "Authorization header missing or malformed" });
 const token = authHeader.split(" ")[1];
try {
  const decoded = jwt.verify(token, "secretKey"); req.user
= decoded;
              next(); } catch (error) {
res.status(403).json({ error:
"Invalid or expired token" });
};
export default authMiddleware;
```

```
import User from "../Models/User.js";
import berypt from "beryptjs"; import jwt
from "jsonwebtoken";
//Register User export const registerUser = async
(req, res) => { try { const { username, email, password } =
req.body; const existingUser = await User.findOne({ email });
if (existingUser) {
                      return res.status(400).json({ error: "User
already exists" });
  }
  const hashedPassword = await bcrypt.hash(password, 10);
const newUser = new User({
                                     username,
                                                      email,
password: hashedPassword,
  });
  await newUser.save(); res.status(201).json({ message: "User
registered successfully" });
 } catch (error) { res.status(500).json({ error:
"Registration failed" });
};
//Login User export const loginUser = async (req.
res) \Rightarrow \{ try \{
                   const { email, password } =
req.body; const user = await User.findOne({
email });
                 return res.status(400).json({ error: "Invalid credentials"
  if (!user) {
});
  }
  const isMatch = await bcrypt.compare(password, user.password); if (!isMatch) {
                                                                                         return res.status(400).json({
error: "Invalid credentials" });
  }
  const token = jwt.sign({ id: user_id }, "secretKey", { expiresIn: "1h" });
   res.json({
                  token,
                             user:
      id: user. id,
                       username:
user.username,
                    email:
user.email,
                avatar: user.avatar,
    },
  });
```

```
} catch (error) { res.status(500).json({ error:
"Login failed" });
 }
};
                                                 Routes/authRoutes.js
import express from "express"; import { loginUser, registerUser } from
"../Controllers/authController.js"; import authMiddleware from
"../Middleware/authMiddleware.js"; import User from "../Models/User.js";
const router = express.Router();
//Register new user router.post("/register", registerUser);
//Login user and return JWT router.post("/login", loginUser);
// Get currently logged in user router.get("/me", authMiddleware,
async (req, res) => {
 try {    const user = await User.findById(req.user.id).select("-
password"); if (!user) return res.status(404).json({ error: "User not
found" }); res.json(user); } catch (err) { console.error("/me
error:", err); res.status(500).json({ error: "Failed to fetch user
info" });
 }
});
export default router;
                                                  Frontend Code:-
App.jsx
import { Route, BrowserRouter as Router, Routes } from "react-router-dom"; import
Header from "./components/Header"; import Home from "./pages/Home"; import
```

VideoPlayer from "./pages/VideoPlayer"; import Channel from

```
"./pages/Channel"; import Login from "./pages/Login"; import Register from
"./pages/Register"; import NotFound from "./pages/NotFound"; import { useEffect, useState
} from "react"; import Sidebar from "./components/Sidebar"; import
ProtectedRoute from "./routes/ProtectedRoute"; import UploadVideo from
"./pages/UploadVideo"; import EditVideo from "./pages/EditVideo";
function App() { const [isSidebarOpen, setIsSidebarOpen] = useState(true);
  useEffect(() => { const handleResize
=()=>\{
            if (window.innerWidth <
768) {
           setIsSidebarOpen(false);
   } else {
setIsSidebarOpen(true);
   }
  };
  handleResize(); // run once on mount
window.addEventListener("resize", handleResize); return () =>
window.removeEventListener("resize", handleResize);
 }, []);
 return (
  <Router>
   <Header toggleSidebar={() => setIsSidebarOpen((prev) => !prev)} />
   <div className="flex relative">
     <Sidebar isOpen={isSidebarOpen} />
     <div className="flex-1 transition-all duration-300">
      <Routes>
       <Route path="/" element={<Home />} />
       <Route
                       path="/video/:id"
element={
         <ProtectedRoute>
          <VideoPlayer />
         </ProtectedRoute>
        }
/>
```

```
<Route
path="/channel/:channelId"
                                  element={
         <ProtectedRoute>
          <Channel />
         </ProtectedRoute>
        }
/>
       <Route path="/login" element={<Login />} />
       <Route path="/register" element={<Register />} />
       <Route path="/upload" element={<UploadVideo />} />
       <Route path="/edit-video/:videoId" element={<EditVideo />} />
       <Route path="*" element={<NotFound />} />
      </Routes>
    </div>
   </div>
  </Router>
 );
export default App;
```

Header.jsx

```
import { HiMenu } from "react-icons/hi"; import { Link }
from "react-router-dom"; import { IoLogoYoutube } from
"react-icons/io"; import { FiSearch } from "reacticons/fi";
import { MdAccountCircle } from "reacticons/md";
import { useContext } from "react"; import { AuthContext
} from "../context/AuthContext"; import { useVideo }
from "../context/VideoContext";

function Header({ toggleSidebar }) { const { user, logout } =
    useContext(AuthContext); const { search, setSearch, handleSearch
} = useVideo();

return (
    <a href="https://www.news.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.contextigs.conte
```

```
<div className="flex item-center gap-4">
    <button onClick={toggleSidebar} className="text-2xl">
      <HiMenu/>
    </button>
                   <Link
                               to="/"
                                            className=" flex items-
center gap-1 text-xl font-bold text-shadow-lg"
     <IoLogoYoutube className="text-2xl text-red-600" />
     YouTube
    </Link>
   </div>
   {/* Search Bar */}
   <div className="hidden md:flex justify-center flex-1 mx-4">
                                  placeholder="Search..."
    <input
                 type="text"
value={search}
                     onChange={(e) => setSearch(e.target.value)}
className="w-1/2 border rounded-l-xl py-1 px-4"
    />
                  onClick={handleSearch}
                                                className="bg-gray-200
    <button
px-4 py-1 rounded-r-xl"
      <FiSearch />
    </button>
   </div>
   {/* Auth Section */}
   <div className="flex items-center gap-3">
     {!user ? (
             to="/login"
<Link
       className=" flex items-center gap-1 text-blue-500 text-sm font-semibold bg-gray-100 hover:bggray-300 px-3
py-1 rounded-md"
       <MdAccountCircle className="text-2xl" /> Sign In
      </Link>
    ):(
      <>
       <span className="flex items-center gap-1 text-sm font-medium text-gray-700 bg-zinc-300 py-1 px-4 rounded">
        <MdAccountCircle className="text-2xl" /> {user.username}
```

```
</span>
                                      onClick={logout}
                                                                className="text-sm font-semibold bg-red-500
                      <button
hover:bg-red-700 text-white px-3 py-1 rounded-md"
        Logout
       </button>
      </>
    )}
   </div>
  </header>
 );
export default Header;
                                                    Home.jsx
import { useEffect, useState } from "react"; import
VideoCard from "../components/VideoCard"; import {
useLocation } from "react-router-dom"; import { useVideo
} from "../context/VideoContext";
function Home() { const categories
=[
  "All",
  "Movies",
  "Music",
  "TV Show",
  "Gaming",
  "Education",
  "News",
  "Sports",
  "Travel",
```

```
const [activeCategory, setActiveCategory] = useState("All"); const { videos,
filteredVideos, setFilteredVideos } = useVideo();
```

"Food",
"Other",

];

```
const location = useLocation(); const searchParams = new
URLSearchParams(location.search); const search = searchParams.get("search")?.toLowerCase()
 useEffect(() => { let filtered
= [...videos];
  if (activeCategory !== "All") {
                                    filtered = filtered.filter(
                                                                 (video) =>
video.category?.toLowerCase() === activeCategory.toLowerCase()
   );
  }
                  filtered = filtered.filter((video)
  if (search) {
        video.title.toLowerCase().includes(search)
   );
  setFilteredVideos(filtered);
 }, [videos, activeCategory, search]);
 return (
  <div className="flex">
    <main className="flex-1 p-4 ml-0">
     {/* Category Filters */}
     <div className="flex justify-center flex-wrap gap-2 mb-4">
      \{categories.map((cat) => (
       <button
                        key={cat}
                                           onClick={() =>}
setActiveCategory(cat)}
                                className={`px-4 py-1
textsm rounded-full ${
                                activeCategory === cat
          ? "bg-zinc-900 text-white font-semibold"
          : "bg-gray-200 hover:bg-gray-300"
        }`}
        {cat}
       </button>
      ))}
```

```
</div>
     {/* Video Grid */}
     {filteredVideos.length === 0 ? (
     No videos found.
    ):(
     <div className="grid m-6 sm:m-0 gap-4 grid-cols-1 sm:grid-cols-2 md:grid-cols-2 lg:grid-cols-3">
{filteredVideos.map((video) => (
        <VideoCard key={video._id} video={video} />
       ))}
     </div>
    )}
   </main>
  </div>
 );
export default Home;
                                               UploadVideo.jsx
import { useContext, useState } from "react"; import {
useNavigate } from "react-router-dom"; import {
AuthContext } from "../context/AuthContext"; import axios
from "../api/axios";
function UploadVideo() { const { user } =
useContext(AuthContext); const navigate = useNavigate();
 const [formData, setFormData] = useState({
  title: "", description:
"", category: "",
videoUrl: "",
thumbnailUrl: "",
 });
 const [error, setError] = useState("");
```

```
const handleChange = (e) => {      setFormData((prev) => ({ ...prev,
[e.target.name]: e.target.value }));
 };
 const generateVideoId = () => {
"vid_" + Date.now().toString(36);
 };
 const handleSubmit = async (e) => {
  e.preventDefault();
  const token = localStorage.getItem("token"); const channelId = localStorage.getItem("channelId");
// stored after login/channel creation console.log("Uploading to channelId:", channelId); if
(!channelId) {
                 setError("No channel found. Please create a channel
first.");
   return;
  }
  const payload = { videoId:
generateVideoId(),
                     title: formData.title,
description: formData.description,
                                    thumbnailUrl:
formData.thumbnailUrl,
                           videoUrl:
formData.videoUrl,
                      channelId,
                                     category:
formData.category | "Other",
       try {
                await
axios.post("/videos", payload, {
headers: {
     Authorization: 'JWT ${token}',
    },
   });
   navigate("/channel/my");
  } catch (err) {
                   setError(err.response?.data?.error ||
"Upload failed");
  console.log("Uploading:", payload);
 };
 if (!user) return Please login first.;
```

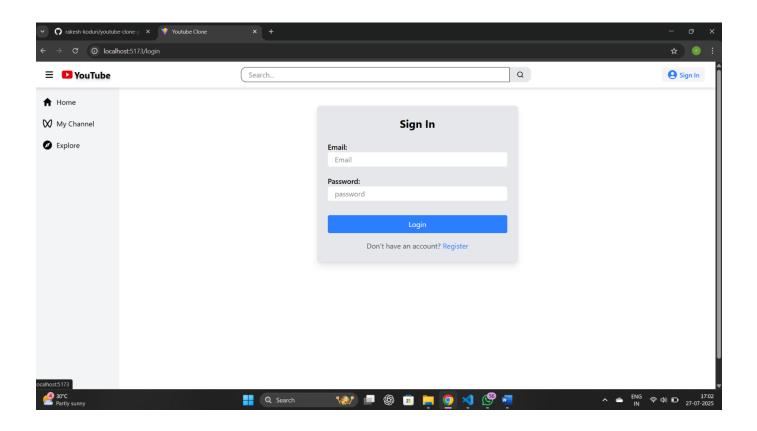
```
return (
  <div className="max-w-2xl mx-auto mt-10 p-6 bg-white rounded shadow">
   <h2 className="text-2xl font-bold mb-6">Upload New Video</h2>
   {error && {error}}
   <form onSubmit={handleSubmit} className="space-y-4">
                name="title"
    <input
placeholder="Video Title"
                             value={formData.title}
onChange={handleChange}
     required
                  className="w-full border p-2
rounded"
    />
                  name="description"
    <textarea
placeholder="Video Description"
value={formData.description}
                                 onChange={handleChange}
     required
                  className="w-full border p-2
rounded"
    />
    {/* Category Dropdown */}
    <select
                name="category"
value={formData.category}
                              onChange={handleChange}
     required
                  className="w-full border p-2 rounded bg-white"
>
     <option value="">Select a Category</option>
     <option value="Movies">Movies</option>
     <option value="Music">Music</option>
     <option value="TV Show">TV Show</option>
     <option value="Gaming">Gaming</option>
     <option value="Education">Education</option>
     <option value="News">News</option>
     <option value="Sports">Sports</option>
     <option value="Travel">Travel</option>
     <option value="Food">Food</option>
     <option value="Other">Other</option>
    </select>
                 <input
name="videoUrl"
                     placeholder="Video
```

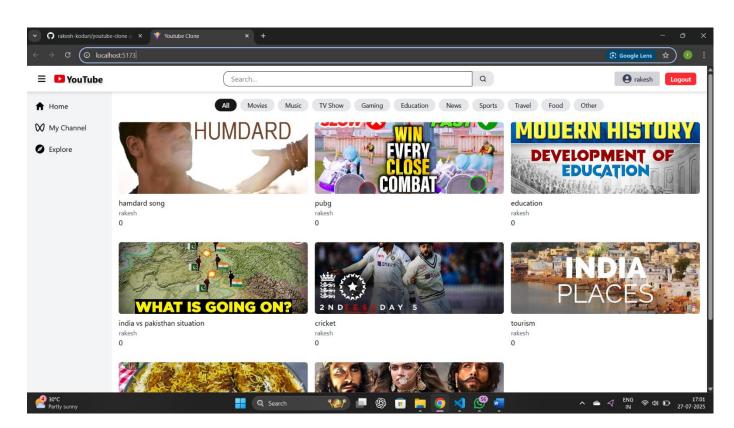
```
URL"
            value={formData.videoUrl}
onChange={handleChange}
     required
                    className="w-full border p-2
rounded"
    />
                 name="thumbnailUrl"
    <input
placeholder="Thumbnail URL"
value = \{formData.thumbnailUrl\}
                                     onChange={handleChange}
                    className="w-full border p-2
     required
rounded"
    />
                  type="submit"
                                      className="w-full bg-blue-600 text-white py-2 rounded
    <button
hover:bg-blue-800"
      Upload Video
    </button>
   </form>
  </div>
 );
export default UploadVideo;
                                                   Sidebar.jsx
import { Link } from "react-router-dom"; import { IoMdHome
} from "react-icons/io"; import { MdExplore } from "react-
icons/md"; import { RiWechatChannelsLine } from "react-
icons/ri";
function Sidebar({ isOpen }) { return ( <aside</pre>
                                                  className={`
                                                                     bg-gray-100 min-hscreen
top-[55px] z-50 overflow-hidden transition-all duration-300
                                                             fixed md:static
    ${isOpen?"w-48":"w-0"}
    ${isOpen && window.innerWidth < 768? "left-0 absolute shadow-lg": ""}
   `}
                      className={`flex flexcol
            <nav
gap-4 p-4 ${
                  isOpen? "opacity-100"
```

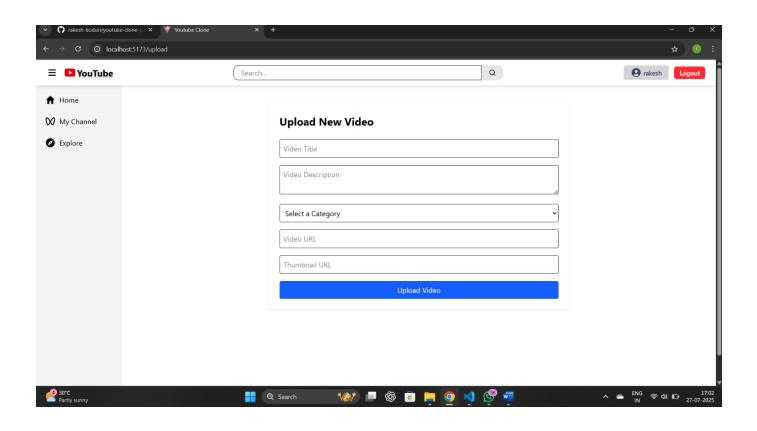
```
: "opacity-0"
    } transition-opacity duration-300`}
         <Link
                      to="/"
                                  className="hover:bg-gray-300 p-1
rounded flex items-center gap-2"
     <IoMdHome className="text-2x1" /> Home
    </Link>
                 <Link
                             to="/channel/my"
                                                    className="hover:bggray-300
p-1 rounded flex items-center gap-2"
     <RiWechatChannelsLine className="text-2xl" /> My Channel
    </Link>
    <Link className="hover:bg-gray-300 p-1 rounded flex items-center gap-2">
     <MdExplore className="text-2xl" /> Explore
    </Link>
   </nav>
  </aside>
 );
}
```

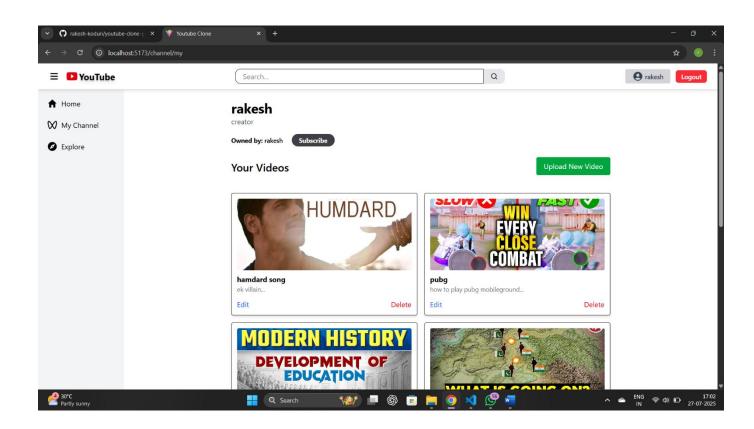
export default Sidebar;

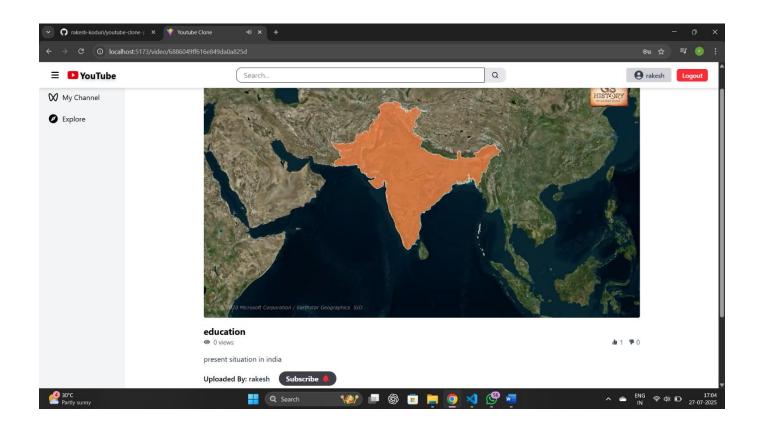
Screenshot:-











GitHub Link:- https://github.com/rakesh-koduri/youtube-clone-project