VidPost/

│

├── index.html

│ <!DOCTYPE html>

│ <html lang="en">

│ <head>

│ <meta charset="UTF-8">

│ <meta name="viewport" content="width=device-width, initial-scale=1.0">

│ <title>VidPost</title>

│ <link rel="stylesheet" href="styles.css">

│ </head>

│ <body>

│ <div id="root"></div>

│ <script src="script.js"></script>

│ </body>

│ </html>

│

├── styles.css

│ body {

│ font-family: Arial, sans-serif;

│ margin: 0;

│ padding: 0;

│ }

│

│ #root {

│ max-width: 800px;

│ margin: 40px auto;

│ padding: 20px;

│ background-color: #f9f9f9;

│ border: 1px solid #ddd;

│ border-radius: 10px;

│ box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

│ }

│

├── script.js

│ import React, { useState, useEffect } from 'react';

│ import ReactDOM from 'react-dom';

│

│ function App() {

│ const [videos, setVideos] = useState([]);

│ const [categories, setCategories] = useState([]);

│ const [searchTerm, setSearchTerm] = useState('');

│

│ useEffect(() => {

│ fetch('/api/videos')

│ .then(response => response.json())

│ .then(data => setVideos(data));

│

│ fetch('/api/categories')

│ .then(response => response.json())

│ .then(data => setCategories(data));

│ }, []);

│

│ const handleSearch = (event) => {

│ setSearchTerm(event.target.value);

│ };

│

│ const filteredVideos = videos.filter((video) => {

│ return video.title.toLowerCase().includes(searchTerm.toLowerCase());

│ });

│

│ return (

│ <div>

│ <h1>VidPost</h1>

│ <input

│ type="search"

│ value={searchTerm}

│ onChange={handleSearch}

│ placeholder="Search videos"

│ />

│ <ul>

│ {filteredVideos.map((video) => (

│ <li key={video.url}>

│ <h2>{video.title}</h2>

│ <p>{video.description}</p>

│ <video width="320" height="240" controls>

│ <source src={video.url} type="video/mp4" />

│ Your browser does not support the video tag.

│ </video>

│ </li>

│ ))}

│ </ul>

│ </div>

│ );

│ }

│

│ ReactDOM.render(<App />, document.getElementById('root'));

│

├── server.js

│ const express = require('express');

│ const app = express();

│ const mongoose = require('mongoose');

│

│ mongoose.connect('mongodb://localhost/vidpost', { useNewUrlParser: true, useUnifiedTopology: true });

│

│ const videoSchema = new mongoose.Schema({

│ title: String,

│ description: String,

│ url: String,

│ category: String

│ });

│

│ const Video = mongoose.model('Video', videoSchema);

│

│ app.get('/api/videos', (req, res) => {

│ Video.find().then((videos) => res.json(videos));

│ });

│

│ app.get('/api/categories', (req, res) => {

│ Video.distinct('category').then((categories) => res.json(categories));

│ });

│

│ app.post('/api/upload', (req, res) => {

│ const video = new Video(req.body);

│ video.save().then(() => res.json({ message: 'Video uploaded successfully' }));

│ });

│

│ app.listen(3000, () => {

│ console.log('Server started on port 3000');

│ });

│

├── models/

│ ├── Video.js

│ │ const mongoose = require('mongoose');

│ │

│ │ const videoSchema = new mongoose.Schema({

│ │ title: String,

│ │ description: String,

│ │ url: String,

│ │ category: String

│ │ });

│ │

│ │ module.exports = mongoose.model('Video', videoSchema);

│ │

│ └── Category.js

│ const mongoose = require('mongoose');

│ const categorySchema = new mongoose.Schema({

│ name: String

│ });

│

│ module.exports = mongoose.model('Category', categorySchema);