

2. Frontend — React Components (Tailwind)

Make sure Tailwind is installed in your React project (Vite or CRA). Use `npm i -D tailwindcss postcss autoprefixer` and init per Tailwind docs.

2.1 src/pages/Profile.jsx

```
// src/pages/Profile.jsx (Tailwind modern UI) import React, { useEffect, useState,
useContext } from 'react'; import axios from 'axios'; import { AuthContext } from
'../context/AuthContext';
```

```
import { useParams } from 'react-router-dom';
```

```
Export default function Profile() { const { user: me, token } =
```

```
useContext(AuthContext); const { id } = useParams(); const [profile, setProfile] =
```

```
useState(null); const [posts, setPosts] = useState([]); const [loading, setLoading] =
useState(true); const isMe = !id || (me && me.id === id);
```

```
useEffect(() => {
```

```
const load = async () => {
```

```
  try {
```

```
    axios.get(`/api/blogs/search?q=${encodeURIComponent(q)}&tag=${encodeURIComponent
```

```
    tag}${encodeURIComponent(tag)}&limit=12`);    setResults(res.data.blogs);    setMeta({ total:
    res.data.total, page: res.data.page });
```

```
  } catch (err) { console.error(err); }
```

```
};
```

```
Return (
```

```
<div className="max-w-4xl mx-auto p-6">
```

```
<form onSubmit={search} className="flex gap-2">
```

```
  <input value={q} onChange={e => setQ(e.target.value)} placeholder="Search title or
  content..." className="flex-1 p-2 border rounded" />
```

```
  <input value={tag} onChange={e => setTag(e.target.value)} placeholder="Tag
```

```
  (optional)" className="w-48 p-2 border rounded" />
```

```
<button className="bg-blue-600 text-white px-4 rounded">Search</button>
```

```
</form>
```

```
<div className="mt-6 grid grid-cols-1 md:grid-cols-2 gap-4">
```

```
{results.map(b => (
```

```
<div key={b._id} className="border p-4 rounded hover:shadow">
```

```
<Link to={` /post/${b._id}`} className="text-lg fontsemibold">{b.title}</Link>
```

```
<p className="text-gray-600 text-sm mt-2 line-clamp-
```

```
3">{b.content}</p>
```

```
<div className="mt-3 text-xs text-gray-500 flex justify-between">
```

```
<span>{b.authorId?.name}</span>
```

```
<span>{b.tags?.join(', ')}</span>
```

```
</div>
```

```
</div>
```

```
)))
```

```
</div>
```

```
{meta && <div className="mt-4 text-sm text-gray-500">Total:
```

```
{meta.total}</div>}
```

```
</div>
```

```
);
```

```
}
```

2.3 src/components/DemoWalkthrough.jsx

```
// src/components/DemoWalkthrough.jsx import React from 'react';
```

```
Export default function DemoWalkthrough() {
```

```
  Const steps = [
```

```
    { title: '1. Register / Login', desc: 'Create new account or login with existing credentials.' },
```

```
    { title: '2. Create Post', desc: 'Publish a blog with title, content and tags.' },
```

```
    { title: '3. Feed & Search', desc: 'Browse feed, search and filter by tags.' }, { title: '4. Comments & Likes', desc: 'Interact with posts via likes and nested comments.' },
```

```
    { title: '5. Profile', desc: 'View or update profile and view your posts.' },
```

```
    { title: '6. Deployment', desc: 'Visit live URL and verify API endpoints.' }
```

```
  ];
```

```
  Return (
```

```
    <div className="max-w-3xl mx-auto p-6">
```

```
      <h2 className="text-2xl font-bold mb-4">Demo Walkthrough</h2>
```

```
      <ol className="space-y-4">
```

```
{steps.map((s, i) => (  
  
  <li key={i} className="p-4 border-l-4 border-blue-500 bg-white rounded shadow-sm">  
  
    <h3 className="font-semibold">{s.title}</h3>  
  
    <p className="text-gray-600 mt-1">{s.desc}</p>  
  
  </li>  
  
  )}  
</ol>  
</div>  
);  
}
```