

# Project: Blog Management App

## Project Overview

The developer must build a full-fledged frontend blog management system with a mock backend powered by JSON Server. Users can view, create, edit, delete, and like blog posts, along with basic authentication and dark mode.

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## Project Features

### 1. User Authentication (Fake)

- Implement login/logout system (store user session in localStorage).
- Fake authentication where users log in with username & password.
- Only logged-in users can create, edit, delete blogs.

### 2. Blog Post Management

- Fetch blog posts from json-server using Axios.
- Create a new blog post (title, content, image URL, and author).
- Edit a blog post (only if the user is the author).
- Delete a blog post (only if the user is the author).
- Like a blog post (store likes in localStorage).

### 3. Blog Listing & Detail Page

- Show blog list with a thumbnail, title, author name, likes count, and date.
- Clicking a post opens the detailed blog page.
- Add a search bar to filter blogs by title.
- Implement pagination (5-10 posts per page).

### 4. Dark Mode Support

- Provide a dark mode toggle.
  - Store user theme preference in localStorage.
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## Technical Requirements

### Frontend

- ReactJS with Hooks (useState, useEffect, useContext).
  - React Router (react-router-dom) for navigation.
  - Axios for API communication.
  - React Context API (or Redux) for authentication & global state.
  - LocalStorage for authentication & likes persistence.
  - CSS Framework: TailwindCSS or SCSS or Bootstrap.
  - Responsive UI (mobile-first design).
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### 5. JSON Server (Mock Backend)

Set up a local JSON server to store blog data.

#### Install JSON Server

```
npm install json-server
```

Create db.json for mock data

```
{
  "users": [
    {
      "id": 1,
      "username": "admin",
      "password": "123456"
    }
  ],
  "posts": [
    {
      "id": 1,
      "title": "My First Blog",
      "content": "This is the content of my first blog post.",
      "author": "admin",
      "image": "https://via.placeholder.com/150",
      "likes": 5,
      "createdAt": "2024-02-25T10:30:00Z"
    }
  ]
}
```

Run JSON Server

```
json-server --watch db.json --port 5000
```