

React Blog System

A fully functional and visually appealing blog system built with **React.js**, styled using **custom CSS**, and powered by the **Dev.to API**. The app simulates real-world functionality such as authentication, interactions (likes & comments), and dynamic blog filtering — all without a backend.

🌟 Key Features – Detailed Explanation

1. User Login (Mock Authentication)

- Users "log in" by simply entering their name.
- Login information is stored in the browser's **localStorage**.
- Authenticated users can:
 - Like blog posts
 - Add comments
- Unauthenticated users are restricted from interacting and are prompted to log in.
- Logout button is available to clear the session.

2. Blog Listing

- Fetches and displays **30 latest articles** from the [Dev.to public API](<https://docs.dev.to/api/>).
- Each blog is presented as a **card** with title and author name.
- Clicking a blog navigates to its full detail page.
- Clean, responsive grid layout using **CSS Grid**.

3. Blog Search/Filter

- Real-time search input filters blog posts by title.
- As users type, the displayed list updates instantly.
- Case-insensitive and smooth UX.

4. Comments (Frontend Simulation)

- Logged-in users can add comments to any blog post.
- Comments are stored in component state (no backend).
- Comments appear below the blog content with a styled comment box.
- Non-logged-in users are prompted to log in before commenting.

5. Like Button

- Each blog post has a heart-shaped like button.
- Likes increase only when a logged-in user clicks.
- Non-logged-in users are asked to log in to like.
- Likes are also stored locally in session for demonstration.

6. Beautiful UI

- Custom CSS for all components (no Tailwind or Bootstrap).
- Features include:
 - Gradient backgrounds
 - Drop shadows
 - Card designs
 - Responsive layout
 - Hover animations
 - Clear typography

7. Fully Responsive

- Mobile, tablet, and desktop friendly.
- CSS Grid and Flexbox used for layout.
- Font sizes and spacing adapt well to screen size.

Tech Stack

Technology	Usage
React.js	Frontend framework
React Router	Page routing
Axios	Fetching Dev.to articles
localStorage	Storing user session data
HTML/CSS	UI styling and layout
Dev.to API	Blog data source

How to start

- 1) Clone the repo
- 2) Open the terminal
- 3) Write a command - `cd .\client\`
- 4) Write a command- `npm start`
- 5) your project will run