

Accordion Component

Difficulty: Easy

Category: Mock API, JSON Data Creation, State Management, UI Interaction

Problem Statement:

- You need to implement an **Accordion Component** that displays a list of FAQs where users can **expand or collapse** each item by clicking on it. Only **one item** should be open at a time.
- Your component should meet the following functionality:
 - ❖ Fetch FAQ data from an API or use a mock dataset.
 - ❖ Display **FAQ questions** in a list.
 - ❖ Clicking on a **question** should expand its answer.
 - ❖ Clicking on another question should **close the previous one** and open the new one.
 - ❖ If the open question is clicked again, it should **collapse**.
- ❖ Fetch or use mock FAQ data. **faqs.json** with the following structure:

```
1  {
2    "faqs": [
3      {
4        "id": 1,
5        "question": "What is React?",
6        "answer": "React is a JavaScript library for building user interfaces."
7      },
8      {
9        "id": 2,
10       "question": "What is JSX?",
11       "answer": "JSX is a syntax extension that allows writing HTML in JavaScript."
12     },
13   ]
14 }
```

Constraints:

- ❖ The JSON structure must be valid and properly formatted.
- ❖ The file should be named `faqs.json`.
- ❖ The `id` must be unique for each entry.
- ❖ The file should be easily consumable by a React app.
- ❖ Use `useState` to track the currently open FAQ ID.
- ❖ Use conditional rendering (`? :`) to show/hide the answer.
- ❖ Ensure only ONE question can be open at a time.
- ❖ Style with basic CSS for a clean UI.