

Reflection Question

Reflection: Why stack suits browser backtracking?

A stack is the perfect data structure for browser backtracking (the "back" button) because it naturally models the **Last-In, First-Out (LIFO)** principle. When you navigate to a new web page, the browser "pushes" the URL of that page onto a stack. When you click the "back" button, the browser "pops" the top URL from the stack and navigates to it, effectively undoing the last navigation action.

This is a **direct and intuitive** way to manage a history of visited pages in the correct reverse chronological order. The current page you're viewing is always at the top of the stack. To go back, you simply access the element that was immediately before it. This system is efficient and guarantees that the "back" button always takes you to the most recently visited page before the current one, which is exactly the behavior users expect.