

## How does the `useNavigate` hook differ from the `Link` component in React Router?

The `useNavigate` hook and the `Link` component both facilitate navigation in React Router, but they serve distinct purposes and are used in different scenarios:

1. `useNavigate` **Hook**:
  - It is a programmatic way to navigate between routes. You use it when navigation is triggered based on some logic, such as a button click, a form submission, or an API response.
  - Example use case: Navigating to a "Thank You" page after a successful form submission.
2. `Link` **Component**:
  - It is a declarative way to navigate between routes. You use it to create hyperlinks for static navigation, such as menus or links in the UI.
  - Example use case: Adding navigation links to a website header.

## Dynamic Form Fields in React

To implement dynamic form fields in React, where the number of fields changes based on user input, you can manage the form fields using the state.

*Steps:*

1. Use a state variable to hold the list of form fields.
2. Provide controls to add or remove fields dynamically.
3. Render the fields based on the state.