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***Test Task*: Create a Modal Dialog Component for a React.js App Using Bootstrap CSS**

**Objective**:

The goal of this task is to create a reusable React component that provides a modal dialog using Bootstrap CSS. This component should allow users to open and close the modal, and display content within it.

**Requirements**:

1. Research:

- Make research of possible solutions:

* Creating a functional React component
* Creating a function that creates React component
* Creating a JS function

2. UI Elements:

- The component should render a Bootstrap modal dialog.

- The modal should have a header, body, and footer section.

- The header should display the title and a close button.

- The body should display the `children` content.

- The footer should have a close button to close the modal.

3. Styling:

- Ensure the component is styled appropriately using Bootstrap CSS.

- The modal should have a backdrop and be centered on the screen.

- The close button should be intuitive and clearly indicate its function.

4. Functionality:

- Implement the functionality to open and close the modal.

- Ensure that the component works properly with modern browsers: Chrome, MS Edge, Firefox.

Deliverables:

1. The `ModalDialog` component implementation in a separate file (e.g., `ModalDialog.js`).

2. A sample usage of the `ModalDialog` component in an example app (e.g., `App.js`).

3. Any necessary styles or assets.

4. Use JavaScript, not TypeScript.

Submission:

Please submit your code as a ZIP file. Ensure that the code is well-documented and includes clear instructions on how to run the example app and tests.