Content for Challenge 6: Implement Comment System

Detailed Requirements for the Comment System

The comment system must allow users to view and add comments on each blog post. The system should be responsive and accessible, ensuring a seamless experience across devices.

- **Viewing Comments**:
    - Display a list of comments below each blog post.
    - Each comment must include:
        - Commenter's name
        - Date and time of the comment (formatted as "Month Day, Year, Hour:Minute")
        - Comment text
        - Optionally, commenter's avatar (if available)
    - Comments should be ordered chronologically, with the most recent at the bottom.

- **Adding Comments**:
    - Provide a form for users to add new comments.
    - The form must include:
        - A text input for the commenter's name (if the user is not logged in)
        - A textarea for the comment text
        - A submit button to post the comment
    - If the user is logged in, the name field should be pre-filled and disabled.
    - Upon submission, the new comment should be added to the list without reloading the page.

- **Responsiveness**:
    - On desktop screens (width > 768px):
        - Comments should be displayed in a vertical list with avatars aligned to the left.
        - The comment form should have labels and inputs arranged vertically.

    - On mobile screens (width ≤ 768px):
        - Comments should be stacked vertically with avatars centered or aligned to the left.
        - The comment form should have labels above the inputs for better readability.

- **Accessibility**:

    - Ensure all form fields have associated labels.
    - Use appropriate ARIA attributes for dynamic content updates (e.g., when a new comment is added).
    - Maintain a logical tab order for keyboard navigation.

Component Structure

The comment system should be implemented using the following React components:

- **Comment Component**:

    - Responsible for rendering a single comment.
    - **Props**:
        - `name`: String, commenter's name
        - `date`: String or Date, comment date
        - `text`: String, comment text
        - `avatar`: String, URL of commenter's avatar (optional)
    - Should format the date appropriately (e.g., "January 1, 2023, 12:00").

- **CommentList Component**:

    - Responsible for rendering the list of comments.
    - **Props**:
        - `comments`: Array of comment objects
    - Should map over the `comments` array and render a `Comment` component for each.

- **CommentForm Component**:

    - Responsible for rendering the form to add a new comment.
    - **Props**:
        - `onSubmit`: Function, to handle form submission
        - `isLoggedIn`: Boolean, indicates if the user is logged in
        - `userName`: String, pre-filled name if logged in
    - **State**:

        - `name`: String, commenter's name (if not logged in)
        - `text`: String, comment text
    - Should handle form validation (e.g., ensure fields are not empty) and submission.

UI/UX Designs for Desktop and Mobile Views

Desktop View (width > 768px)

- **Comment List**:

    - Each comment is displayed in a container with a light border or background to separate it from others.
    - Avatar (if present) is displayed on the left, sized approximately 50x50 pixels.
    - Commenter's name and date are displayed on the top right, with the name in bold and the date in a smaller, lighter font.
    - Comment text is displayed below the name and date, with appropriate padding.

- **Comment Form**:

    - Form fields are stacked vertically:
        - Label "Name" with input field (if not logged in)
        - Label "Comment" with textarea
        - Submit button aligned to the right
    - Inputs should have a light border and padding for better usability.
    - The form should be positioned below the comment list.

Mobile View (width ≤ 768px)

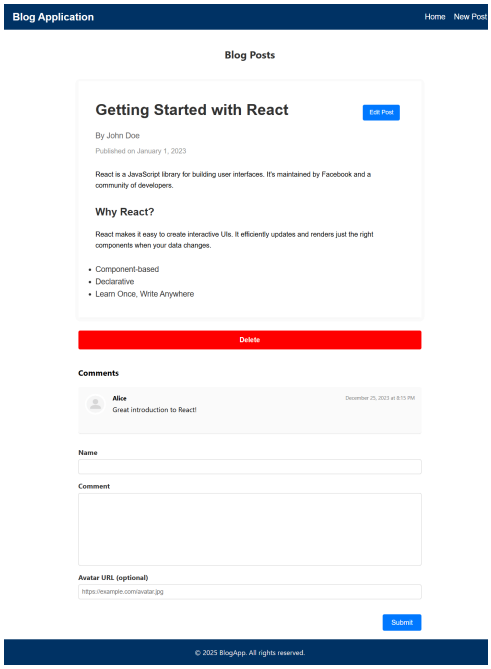
- **Comment List**:

    - Each comment is stacked vertically.
    - Avatar (if present) is centered or aligned to the left.
    - Commenter's name and date are displayed below the avatar.
    - Comment text is displayed below the name and date.

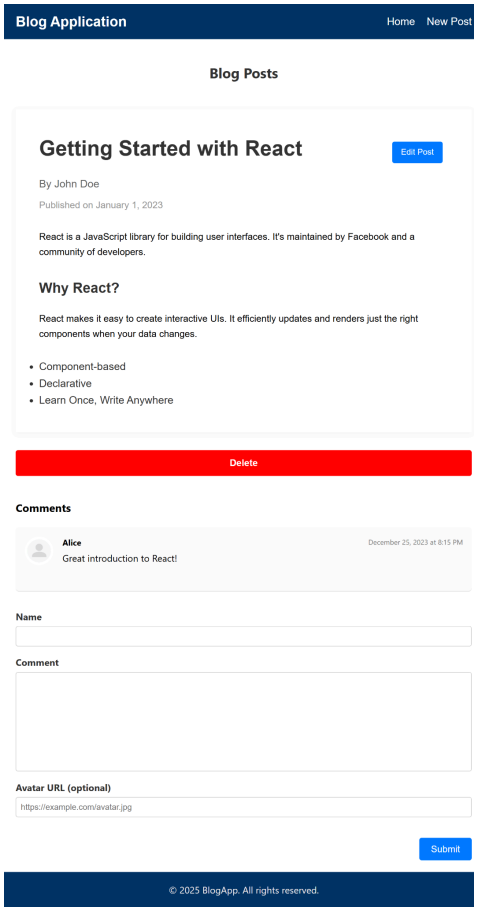
- **Comment Form**:

    - Form fields are stacked vertically:
        - Label "Name" above the input field (if not logged in)
        - Label "Comment" above the textarea
        - Submit button below the textarea, full width
    - Inputs and textarea should take the full width of the container for easy interaction on small screens.

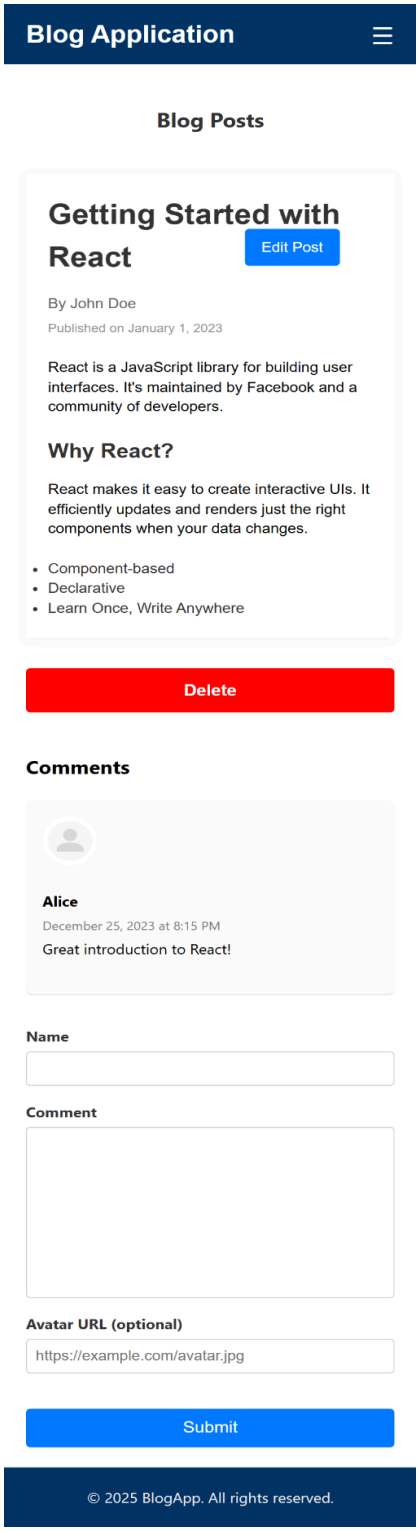
Desktop view:



Tablet view:



Mobile view:


Blog Application
Blog Posts
Getting Started with React
Edit Post
By John Doe
Published on January 1, 2023
React is a JavaScript library for building user interfaces. It's maintained by Facebook and a community of developers.
Why React?
React makes it easy to create interactive UIs. It efficiently updates and renders just the right components when your data changes.
Component-based
Declarative
Learn Once, Write Anywhere
Delete
Comments
Alice
December 25, 2023 at 8:15 PM
Great introduction to React!
Name
Comment
Avatar URL (optional)
https://example.com/avatar.jpg
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This content provides a comprehensive foundation for implementing the comment system feature. With the detailed requirements, component structure, and UI/UX designs, you can now proceed to develop the `Comment`, `CommentList`, and `CommentForm` components, ensuring they are responsive, accessible, and aligned with the specified designs.