Lab 4

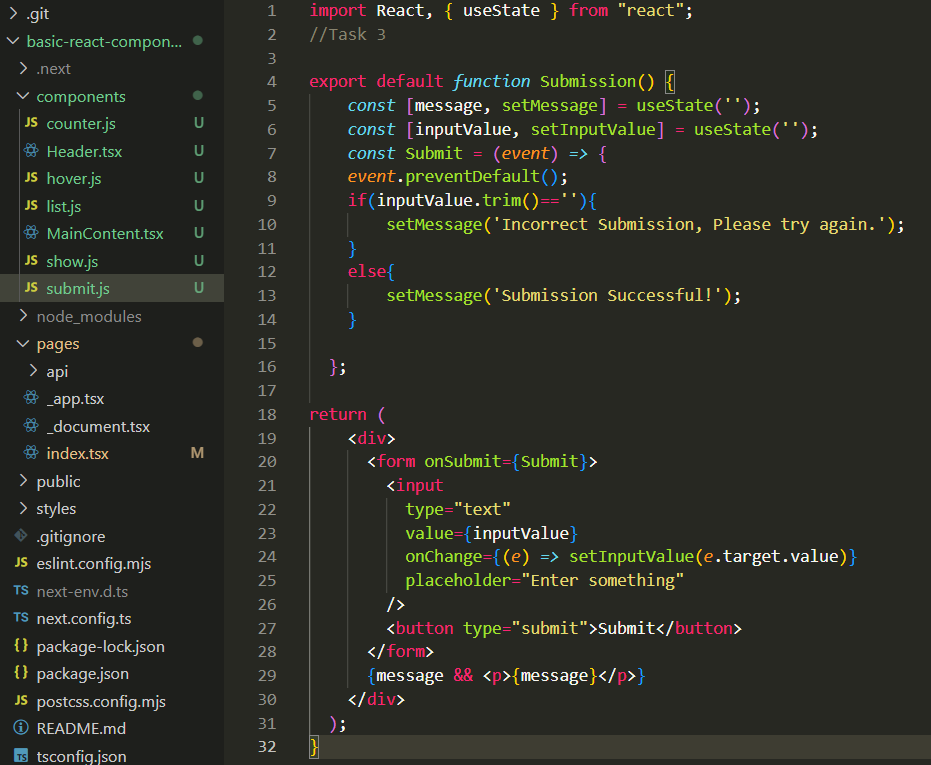
*STEP-BY-STEP INSTRUCTIONS*

2. IMPLEMENT BUTTON CLICK EVENT:  
Create a button that toggles the visibility of a specific component or text when clicked.  
The button should display 'Show' when the component is hidden and 'Hide' when the  
component is visible.

A screen shot of a computer program

AI-generated content may be incorrect.

3. HANDLING FORM SUBMISSION:  
Implement a form with an input field and a submit button. When submitted, prevent the  
default form submission behavior, validate the input, and display a message indicating  
success or failure. Show a validation message if the input is empty or invalid.



4. CONDITIONAL RENDERING BASED ON STATE:  
Render a list of items conditionally based on a selected filter (e.g., active or inactive  
items). Include two buttons ('Show Active' and 'Show Inactive') to toggle between the  
two lists.



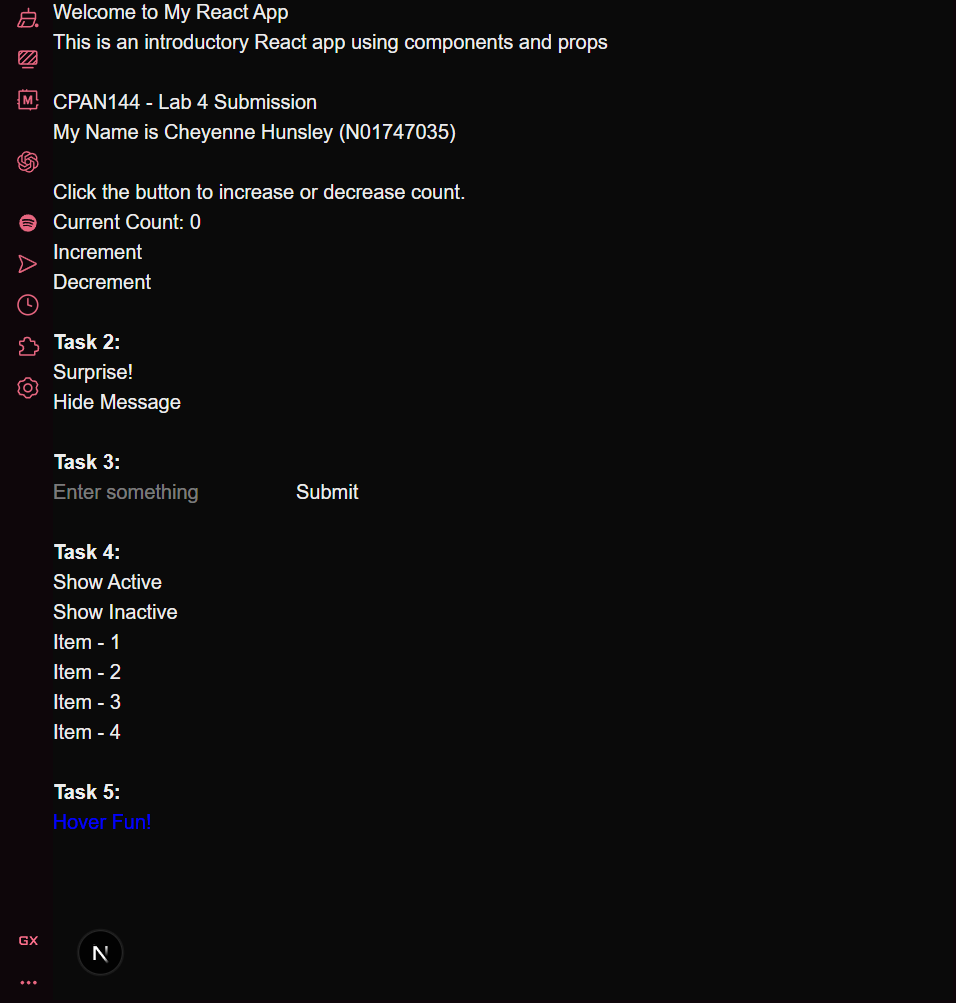
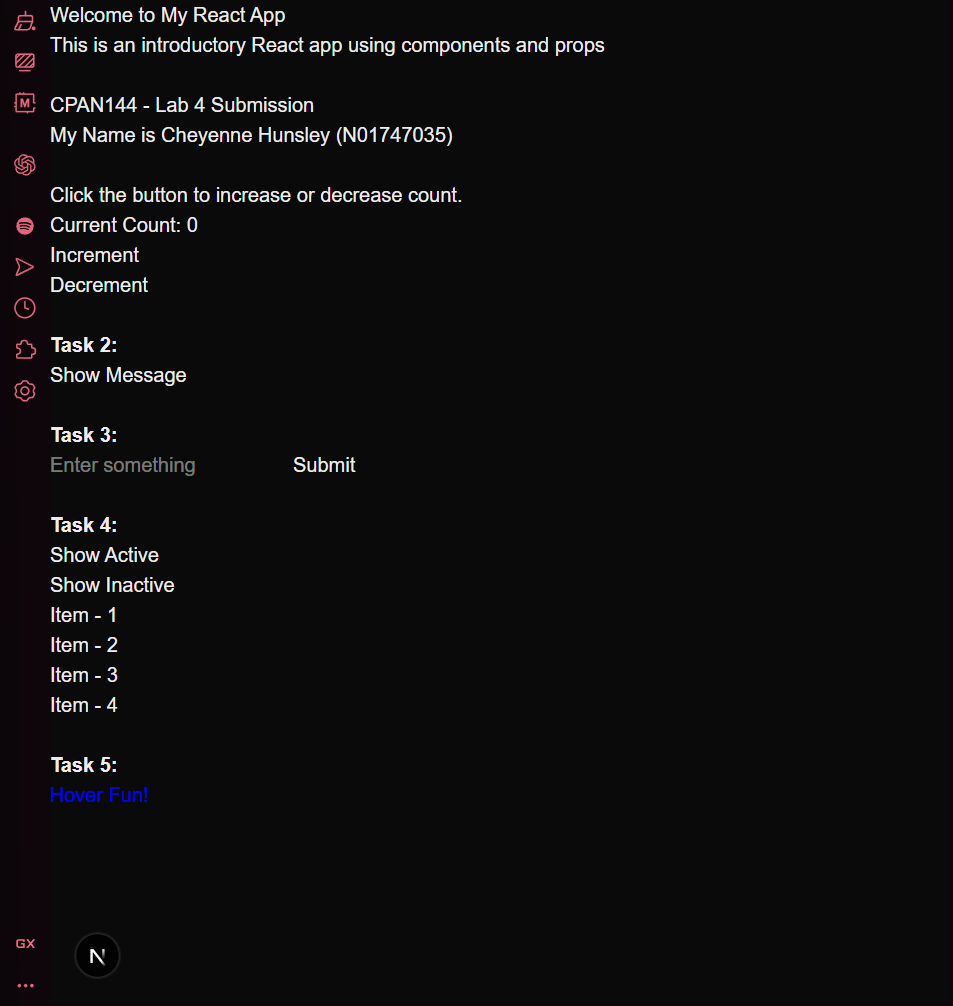
5. ADDING A HOVER INTERACTION:  
Create a simple hover interaction on a component, changing its style when hovered over.

A screen shot of a computer program

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*SUBMISSION* - Submit the following screenshots as part of your lab report:

1. Screenshots showing the button toggling component visibility.



1. Screenshots of form submission with both success and validation error messages.

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1. Screenshots of the list display based on the selected filter.

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1. Screenshots of the component with a hover effect.

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