# Develop ListOptions React Component

## Description:

Create a React component named ListOptions that allows the user to select an item from a list of options and clear the selection.

This task ensures the creation of a reusable ListOptions component that allows users to select an option from a dropdown and clear the selection when needed. The component's behavior is designed to handle user interactions and provide a seamless user experience.

## Acceptance Criteria:

1. Component Creation:
   1. Create a file named ListOptions.tsx within the components folder.
2. Props: The component should receive the following props:
   1. **options:**
      * Type: Array of objects { value: string, label: string }
      * Description: An array of options where each option is an object with value and label properties.
   2. **onChange:**
      * Type: Function
      * Description: A callback function to be called when selecting an option. It should receive the selected option as a parameter.
   3. **selectedOption:**
      * Type: Object { value: string, label: string } or null
      * Description: Represents the currently selected option. It can be null if no option is selected.
   4. **onClear:**
      * Type: Function
      * Description: A callback function to be called when the user removes the selection.
3. Dropdown UI:
   1. Display a dropdown/select input containing the provided options.
   2. Highlight the selected option in the dropdown.
4. Option Selection:
   1. Implement the ability to select an option from the dropdown.
   2. Call the onChange callback with the selected option.
5. Clear Selection:
   1. Include a button or icon to clear the current selection.
   2. Call the onClear callback when the user clicks to remove the selection.
6. Unit Testing:
   1. Write unit tests for the ListOptions component, covering scenarios such as selecting an option, clearing the selection, and validating UI changes.

## Definition of Done:

1. The ListOptions.tsx file is created within the components folder.
2. Dropdown UI is displayed with correct highlighting for the selected option.
3. The ability to select an option and clear the selection is implemented.
4. Unit tests for the ListOptions component pass successfully, covering various scenarios.