1. **Counter**

   Requirement:

   Make the text within the button display the number of times the button has been clicked.

   Score: *5*

   Duration: *5 Minute*

2. **JavaScript function**

   Requirement:

   1. find min age, show the name

   2. find max age, show the name

   3. sort by min age

   4. sort by max age

   Score: *10*

   Duration: *10 Minute*

3. **Tabs**

   Requirement

   1. Clicking on a tab makes it the active tab. Add a visual indication (e.g. using blue text color) for the active tab to differentiate it from the non-active tabs.
   2. At all times, only one panel's contents should be displayed — the one corresponding to the active tab's.

   Notes:

   1. The focus of this question is on functionality, not the styling. There's no need to write any custom CSS except for highlighting the active tab.
   2. You may modify the markup (e.g. adding ids, data attributes, replacing some tags, etc) and use client-side rendering instead.
   3. You may want to think about ways to improve the user experience of the application and implement them (you get bonus credit for doing that during interviews).

   Score: *15*

   Duration: *15 Minute*

4. Modal dialog

Requirement:

1. *Modal dialogs are interactive overlay windows that temporarily disable the main content of a web page, focusing user attention on specific tasks or information. They serve various purposes, including displaying critical alerts, requesting user input, confirming actions, and presenting additional content without navigating away from the current context.*

2. Build a reusable modal dialog component that can be opened and closed with customizable title and contents.

3. The modal dialog should contain the following elements:

   a. Title/heading string.

   b. Any contents as the body.

   c. Close button that hides/closes the modal when clicked.

4. The modal dialog is centered horizontally and vertically on the screen.

5. The modal dialog is displayed above a semi-transparent background overlay.

6. The focus of the exercise is on the functionality and not the styling.

Score: 30

Duration: 30 Minute

5. Data Tables

Requirement

1. The users data table should display the following columns: Id, Name, Age, Occupation

2. Each row in the table represents a single user

3. The pagination controls should allow the user to navigate to previous and next pages

4. The pagination controls should display the current page number and the total number of pages

5. The table should update dynamically when the user navigates to a different page

6. Provide an option to select the number of users displayed per page (e.g., 5, 10, 20)

Can be search by Name

Score: 40

Duration: 30 Minute