

Quiz 1.

Expected completion time: Approximately 40 to 50 minutes.

Topics covered: Event Binding, Property Binding, Text Interpolation, Two-Way Binding

Task:

You are tasked with implementing various Angular features in a component. Follow the instructions below:

- A- Create a button in Angular that triggers an event when clicked. The event should display an alert with the message "Button Clicked!".
- B- Bind the disabled property of a button to a boolean variable in your Angular component. The button should be disabled when the variable is true.
- C- Display the value of a variable message in an HTML paragraph using text interpolation. Add a twist: the message should include the current date in the format "yyyy-mm-dd" along with the original message.
- D- Create an input field that allows the user to enter their name. Bind this input field to a variable `userName` using two-way binding. As a challenge, ensure that the input field only accepts alphabetical characters, and display an error message if the user enters anything else.

Task tips

1. Event Binding (A):

- Use **(click)** to bind the click event to a method in the component.
- Ensure the method in the component (e.g., **handleButtonClick()**) contains the logic to display the alert.

2. Property Binding (B):

- Use **[disabled]** to bind the disabled property of the button to a boolean variable.
- Initialize the boolean variable (**isButtonDisabled**) appropriately in the component.

3. Text Interpolation (C):

- Use double curly braces **{{ }}** for text interpolation.
- Create a variable (**message**) in the component and set it to the initial message.
- Utilize string interpolation to combine the message with the current date.

4. Two-Way Binding (D):

- Use **[(ngModel)]** to achieve two-way binding for the input field.
- Create a variable (**userName**) in the component to store the input value.
- Implement a method (e.g., **validateInput()**) to handle input validation.