**Write the HTML and JavaScript code to perform the following tasks:**

1. Create a form with a text input field and a submit button.
2. The form triggers a function on submission, which prevents the default page reload and updates the content of an <h1> element with the value from the input field.
3. The content of the <h1> element should be updated dynamically when the form is submitted.
4. Implement the following event handlers on the input field:
   * **oninput**: Changes the text color to red and the background color to yellow while typing.
   * **onchange**: Changes the text color to green and the background color to pink when the content changes.
   * **onfocus**: Changes the text color to blue and the background color to light blue when the input field gains focus.
5. Implement the following mouse events on the <h1> element:
   * **onmousedown**: Changes the font size to 30px and text to uppercase when the mouse is pressed down.
   * **onmouseup**: Changes the font size to 50px and text to lowercase when the mouse is released.
   * **onmouseover**: Underlines the text and changes its color to red when the mouse hovers over the <h1>.
   * **onmouseout**: Adds an overline and changes the text color to blue when the mouse leaves the <h1>.
6. Implement the following keyboard events:
   * **onkeydown**: Logs the key pressed to the console.
   * **onkeyup**: Logs the key code of the key released to the console.