**1. HTML**

* Set up a basic HTML structure.
* Add a heading and a button to the body.

**2. CSS**

* Style the page to match the layout and design.
* Center the content on the page and add styles to the button to make it visually appealing.

**3. JavaScript**

* Add functionality to the button so that clicking it triggers an alert.
* Use event listeners to handle the button click.

**Explanation:**

1. **HTML:**
   * The <main> element contains a heading (<h1>) and a button (<button>).
   * The button has an id to easily reference it in JavaScript.
2. **CSS:**
   * The body and html elements use Flexbox to center the content vertically and horizontally.
   * The h1 is styled with a color and font size.
   * The button has padding, background color, border-radius, and hover effects.
3. **JavaScript:**
   * The addEventListener method is used to listen for a click event on the button.
   * When the button is clicked, it triggers an alert with the message "Button clicked!".

Output:

A screenshot of a computer

Description automatically generated