



*Universidad de las Fuerzas Armadas ESPE*

*Departamento de Ciencias de la Computación*

*Programación Integrativa de Componentes Web*

*Tarea 5*

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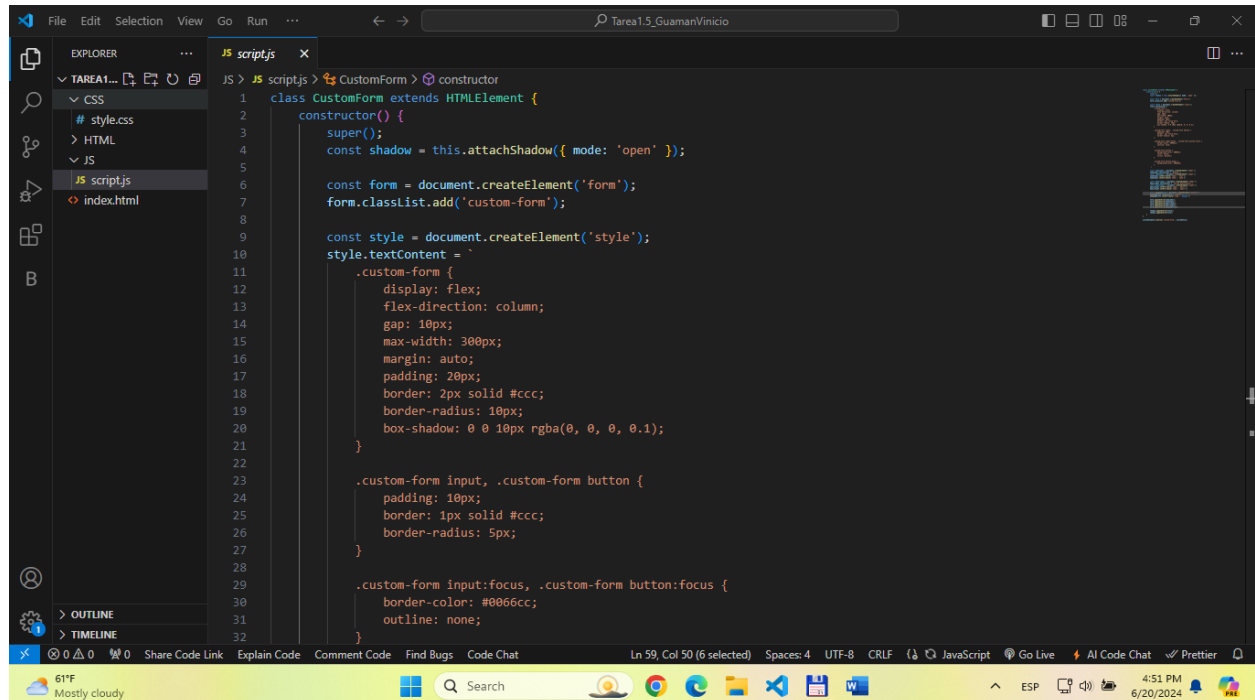
**Tarea 1.5:** personalizar componente web

requerimiento: personalizar 1 o mas elementos de una pagina, implementando componentes web (archivo.js) asociando a una funcionalidad de interacción con el usuario desde controles de un formulario html

**index.html**

```
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Formulario Personalizado</title>
7 </head>
8 <body>
9   <custom-form></custom-form>
10
11   <script src="JS/script.js"></script>
12 </body>
13 </html>
14
```

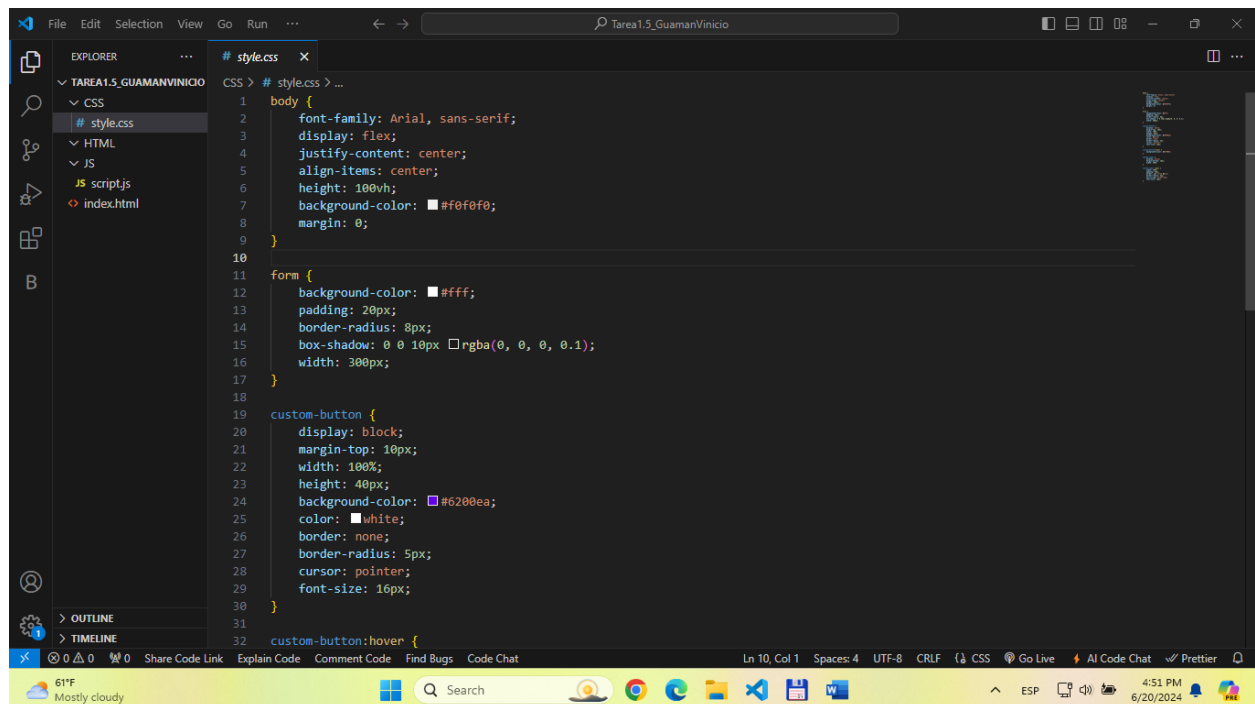
# Script.js



The screenshot shows the VS Code editor with the file explorer on the left displaying a project structure with folders for CSS, HTML, and JS, and files for style.css, index.html, and script.js. The main editor area shows the content of script.js, which defines a CustomForm class extending HTMLElement. The class includes a constructor that attaches a shadow DOM, creates a form element, and adds a custom class. It also defines a style element with CSS rules for the form and its input/button elements. The status bar at the bottom indicates the current position is Ln 59, Col 50 (6 selected) in UTF-8 CRLF encoding.

```
1 class CustomForm extends HTMLElement {
2   constructor() {
3     super();
4     const shadow = this.attachShadow({ mode: 'open' });
5
6     const form = document.createElement('form');
7     form.classList.add('custom-form');
8
9     const style = document.createElement('style');
10    style.textContent = `
11      .custom-form {
12        display: flex;
13        flex-direction: column;
14        gap: 10px;
15        max-width: 300px;
16        margin: auto;
17        padding: 20px;
18        border: 2px solid #ccc;
19        border-radius: 10px;
20        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
21      }
22
23      .custom-form input, .custom-form button {
24        padding: 10px;
25        border: 1px solid #ccc;
26        border-radius: 5px;
27      }
28
29      .custom-form input:focus, .custom-form button:focus {
30        border-color: #0066cc;
31        outline: none;
32      }
33    `;
34    shadow.appendChild(form);
35    shadow.appendChild(style);
36  }
37}
```

# Style.css



The screenshot shows the VS Code editor with the file explorer on the left displaying the same project structure. The main editor area shows the content of style.css, which defines the styles for the form and its input/button elements. The styles include font-family, display, justify-content, align-items, height, background-color, margin, padding, border-radius, box-shadow, width, and cursor. The status bar at the bottom indicates the current position is Ln 10, Col 1 in UTF-8 CRLF encoding.

```
1 body {
2   font-family: Arial, sans-serif;
3   display: flex;
4   justify-content: center;
5   align-items: center;
6   height: 100vh;
7   background-color: #f0f0f0;
8   margin: 0;
9 }
10
11 form {
12   background-color: #fff;
13   padding: 20px;
14   border-radius: 8px;
15   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
16   width: 300px;
17 }
18
19 custom-button {
20   display: block;
21   margin-top: 10px;
22   width: 100%;
23   height: 40px;
24   background-color: #6200ea;
25   color: white;
26   border: none;
27   border-radius: 5px;
28   cursor: pointer;
29   font-size: 16px;
30 }
31
32 custom-button:hover {
33   background-color: #4b0082;
34 }
```

# Salida del programa

localhost:81/INTEGRATIVA\_PROJECTS/Tarea1.5\_GuamanVinicio/?name=vinico&email=vinigu\_20%40hotmail.com

☆

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Enviar