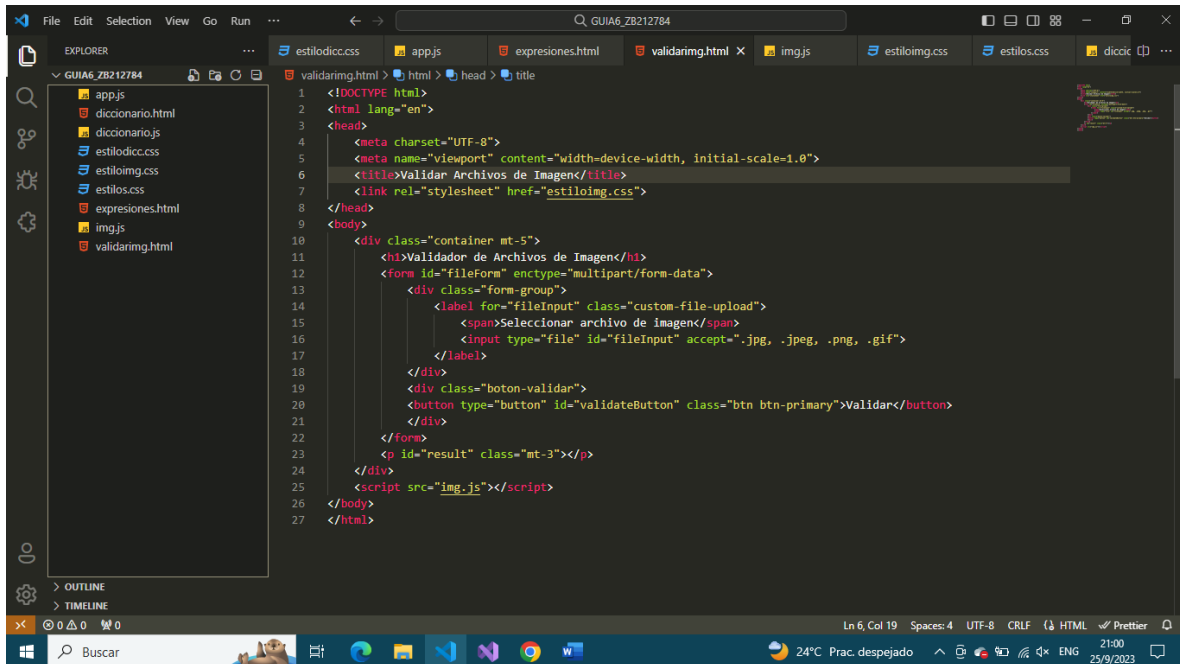


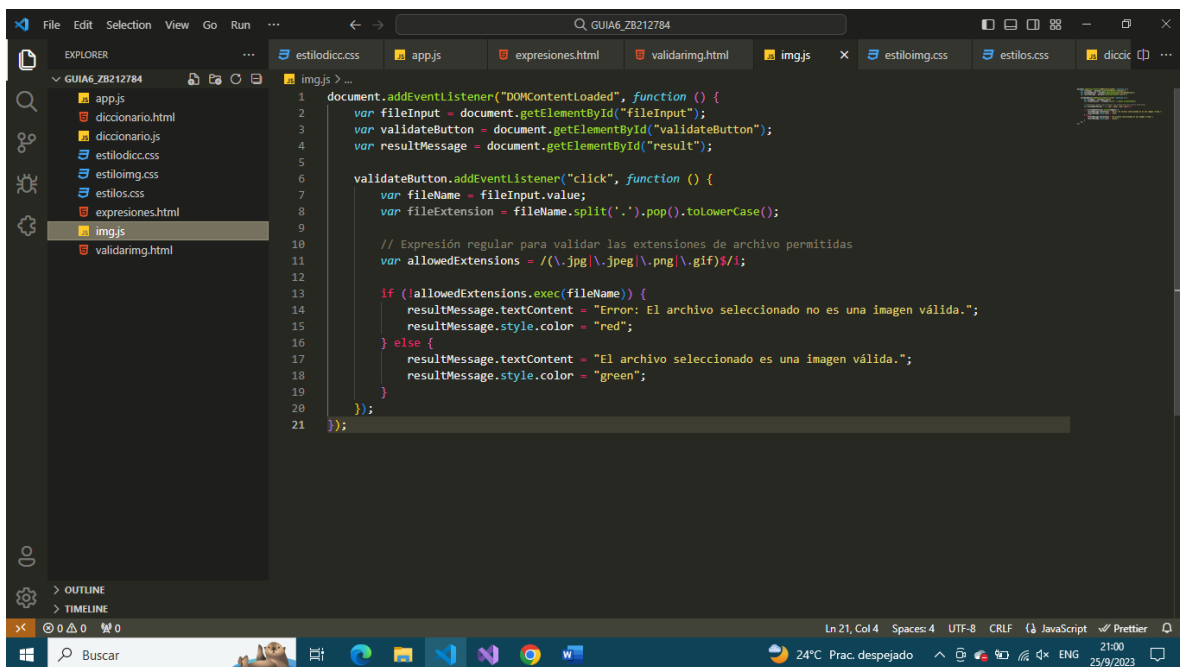
JENNIFER PATRICIA ZALDAÑA BELTRAN
ZB212784

Validador de archivos de imagen



The screenshot shows the Visual Studio Code editor with the file 'validarimg.html' open. The Explorer sidebar on the left shows the project structure for 'GUIA6_ZB212784', including files like 'app.js', 'diccionario.html', 'diccionario.js', 'estilodicc.css', 'estiloimg.css', 'estilos.css', 'expresiones.html', 'img.js', and 'validarimg.html'. The main editor area displays the HTML code for 'validarimg.html', which includes a form for file upload and validation. The code is as follows:

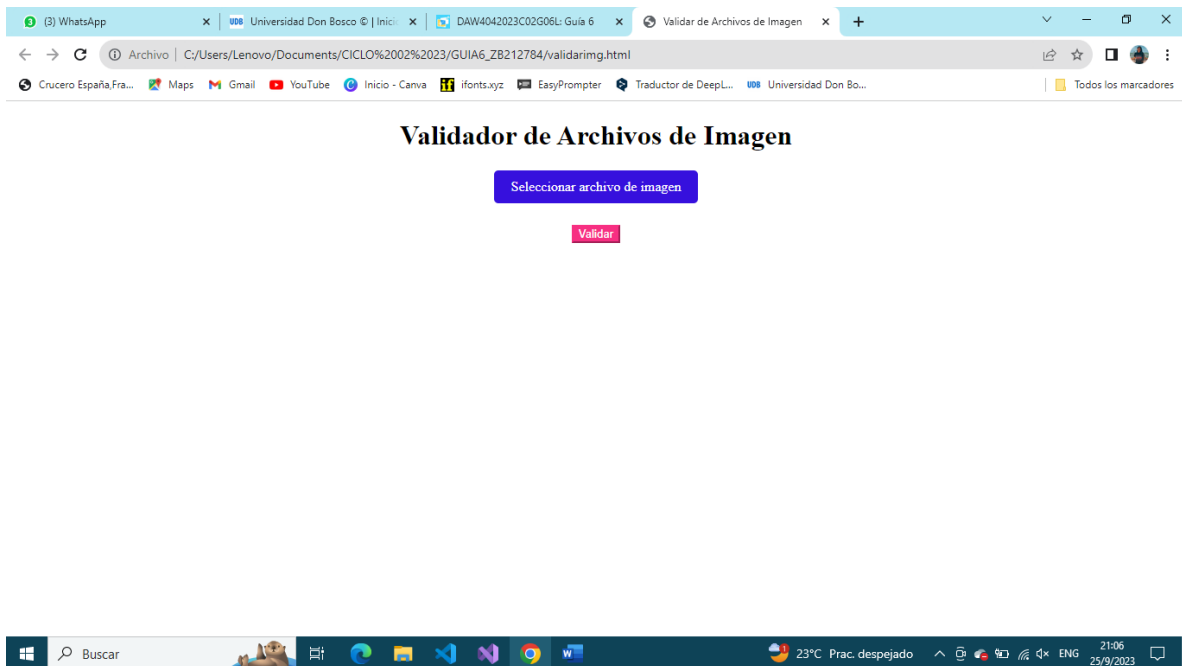
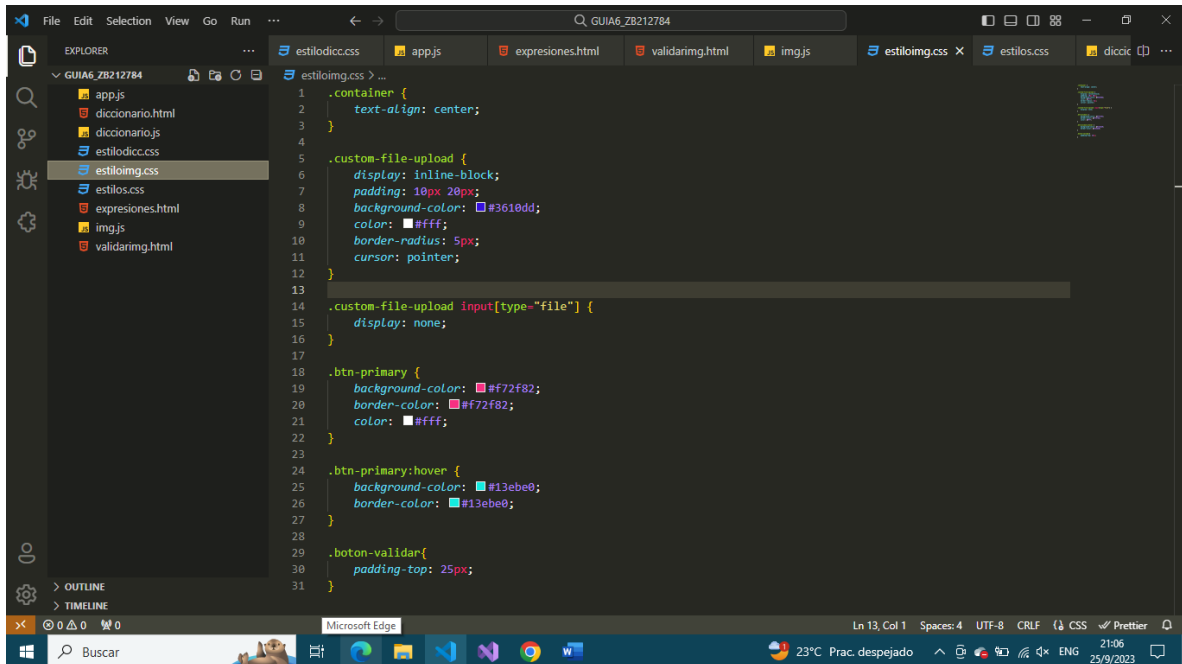
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Validar Archivos de Imagen</title>
7   <link rel="stylesheet" href="estiloimg.css">
8 </head>
9 <body>
10   <div class="container mt-5">
11     <h1>Validador de Archivos de Imagen</h1>
12     <form id="fileForm" enctype="multipart/form-data">
13       <div class="form-group">
14         <label for="fileInput" class="custom-file-upload">
15           <span>Seleccionar archivo de imagen</span>
16           <input type="file" id="fileInput" accept=".jpg, .jpeg, .png, .gif">
17         </label>
18       </div>
19       <div class="boton-validar">
20         <button type="button" id="validateButton" class="btn btn-primary">Validar</button>
21       </div>
22     </form>
23     <p id="result" class="mt-3"></p>
24   </div>
25   <script src="img.js"></script>
26 </body>
27 </html>
```



The screenshot shows the Visual Studio Code editor with the file 'img.js' open. The Explorer sidebar on the left shows the project structure for 'GUIA6_ZB212784', including files like 'app.js', 'diccionario.html', 'diccionario.js', 'estilodicc.css', 'estiloimg.css', 'estilos.css', 'expresiones.html', 'img.js', and 'validarimg.html'. The main editor area displays the JavaScript code for 'img.js', which implements the file validation logic. The code is as follows:

```
1 document.addEventListener("DOMContentLoaded", function () {
2   var fileInput = document.getElementById("fileInput");
3   var validateButton = document.getElementById("validateButton");
4   var resultMessage = document.getElementById("result");
5
6   validateButton.addEventListener("click", function () {
7     var fileName = fileInput.value;
8     var fileExtension = fileName.split('.').pop().toLowerCase();
9
10    // Expresión regular para validar las extensiones de archivo permitidas
11    var allowedExtensions = /(\\.jpg|\\.jpeg|\\.png|\\.gif)$/i;
12
13    if (!allowedExtensions.exec(fileName)) {
14      resultMessage.textContent = "Error: El archivo seleccionado no es una imagen válida.";
15      resultMessage.style.color = "red";
16    } else {
17      resultMessage.textContent = "El archivo seleccionado es una imagen válida.";
18      resultMessage.style.color = "green";
19    }
20  });
21 });
```

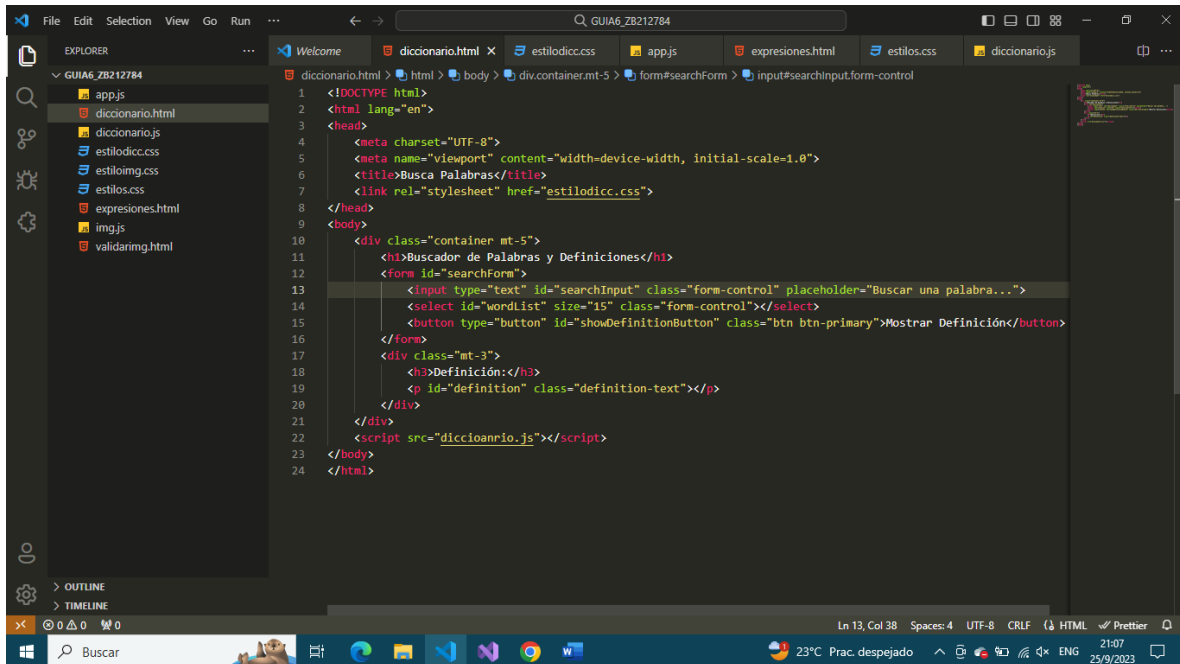
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ZB212784



GUIA 6
DAW

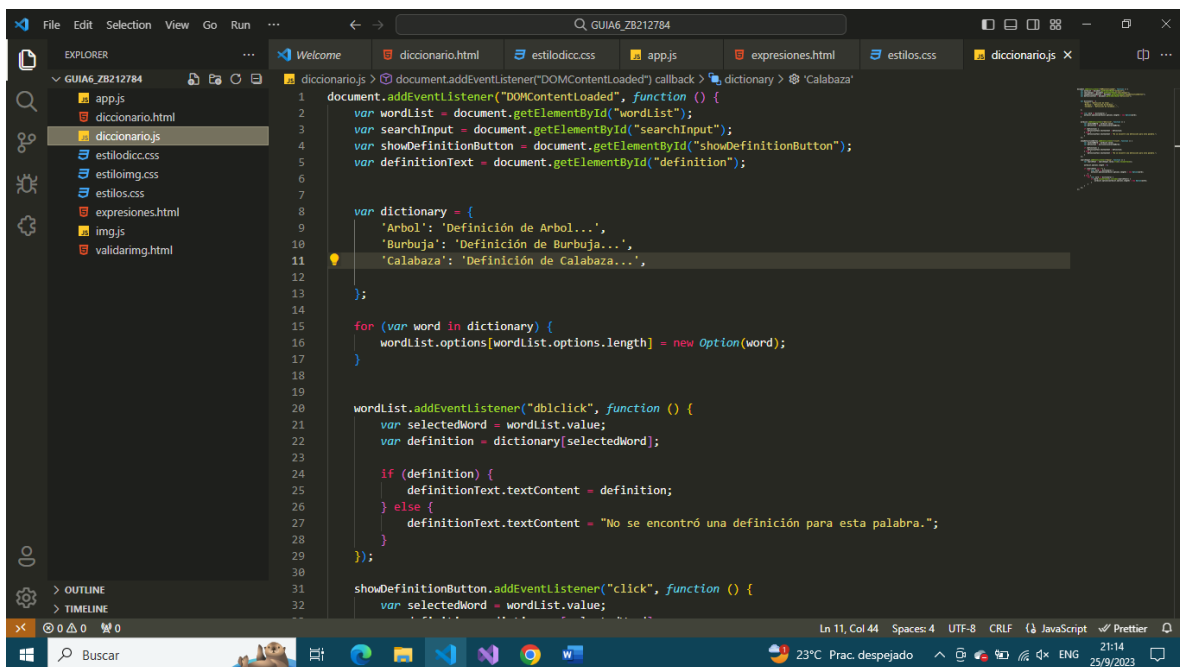
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ZB212784

Busca palabras



This screenshot shows the HTML file 'diccionario.html' in VS Code. The Explorer sidebar on the left lists the project files: app.js, diccionario.html, diccionario.js, estilodicc.css, estiloimg.css, estilos.css, expresiones.html, imgs.js, and validaring.html. The main editor displays the HTML code, which includes a search form with an input field, a word list select, and a button to show the definition. The code is as follows:

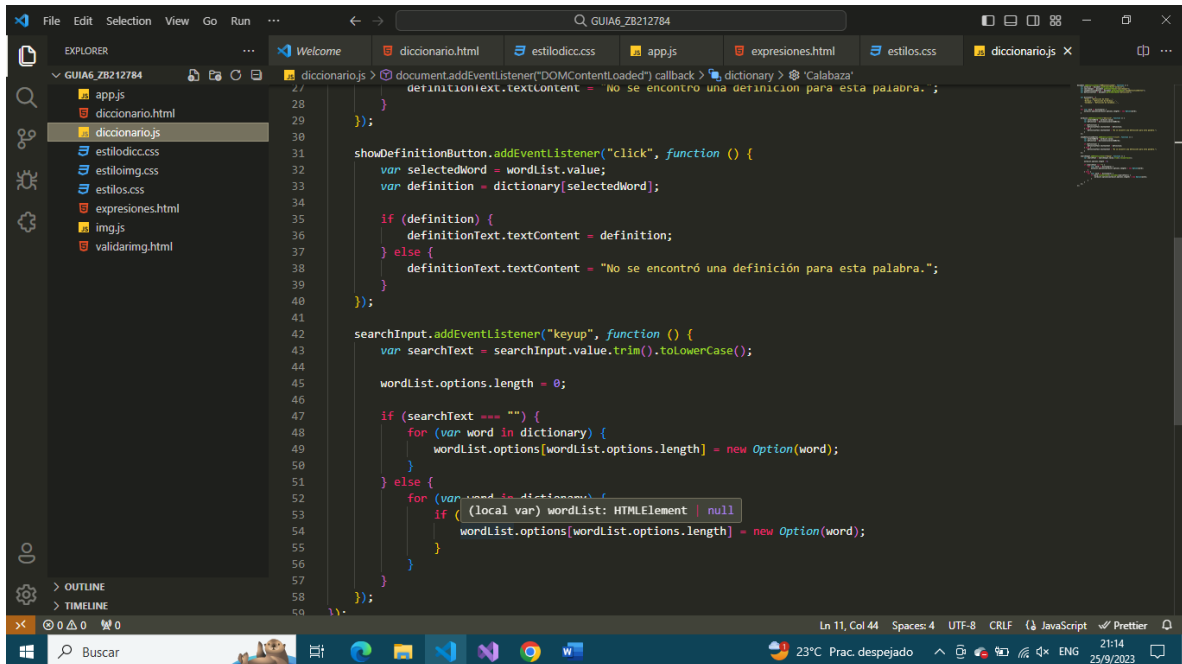
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Busca Palabras</title>
7   <link rel="stylesheet" href="estilodicc.css">
8 </head>
9 <body>
10  <div class="container mt-5">
11    <h1>Buscador de Palabras y Definiciones</h1>
12    <form id="searchForm">
13      <input type="text" id="searchInput" class="form-control" placeholder="Buscar una palabra...">
14      <select id="wordList" size="15" class="form-control"></select>
15      <button type="button" id="showDefinitionButton" class="btn btn-primary">Mostrar Definición</button>
16    </form>
17    <div class="mt-3">
18      <h3>Definición:</h3>
19      <p id="definition" class="definition-text"></p>
20    </div>
21  </div>
22  <script src="diccionario.js"></script>
23 </body>
24 </html>
```



This screenshot shows the JavaScript file 'diccionario.js' in VS Code. The Explorer sidebar on the left lists the project files: app.js, diccionario.html, diccionario.js, estilodicc.css, estiloimg.css, estilos.css, expresiones.html, imgs.js, and validaring.html. The main editor displays the JavaScript code, which includes a dictionary object, a function to populate the word list, and event listeners for the search input and definition button. The code is as follows:

```
1 document.addEventListener("DOMContentLoaded") callback -> dictionary -> 'Calabaza'
2
3 var wordList = document.getElementById("wordList");
4 var searchInput = document.getElementById("searchInput");
5 var showDefinitionButton = document.getElementById("showDefinitionButton");
6 var definitionText = document.getElementById("definition");
7
8 var dictionary = {
9   'Arbol': 'Definición de Arbol...',
10  'Burbuja': 'Definición de Burbuja...',
11  'Calabaza': 'Definición de Calabaza...',
12 };
13
14
15 for (var word in dictionary) {
16   wordList.options[wordList.options.length] = new Option(word);
17 }
18
19
20 wordList.addEventListener("dblclick", function () {
21   var selectedWord = wordList.value;
22   var definition = dictionary[selectedWord];
23
24   if (definition) {
25     definitionText.textContent = definition;
26   } else {
27     definitionText.textContent = "No se encontró una definición para esta palabra.";
28   }
29 });
30
31 showDefinitionButton.addEventListener("click", function () {
32   var selectedWord = wordList.value;
```

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This screenshot shows the VS Code editor with the file `diccionario.js` open. The code implements a dictionary search function. It includes a `DOMContentLoaded` event listener that sets a default message in `definitionText`. A `click` event listener on `showDefinitionButton` retrieves the selected word from `wordList` and looks up its definition in the `dictionary` object. If a definition is found, it updates `definitionText`; otherwise, it shows the default message. A `keyup` event listener on `searchInput` filters the `wordList` options based on the current search text, using a `filter` function to match words starting with the search text.

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Buscador de Palabras y Definiciones

Buscar una palabra...

Arbol
Burbuja
Calabaza

Mostrar Definición

Definición:

23°C Prac. despejado 21:15 25/9/2023

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Buscador de Palabras y Definiciones

Buscar una palabra...

Arbol
Burbuja
Calabaza

Mostrar Definición

Definición:

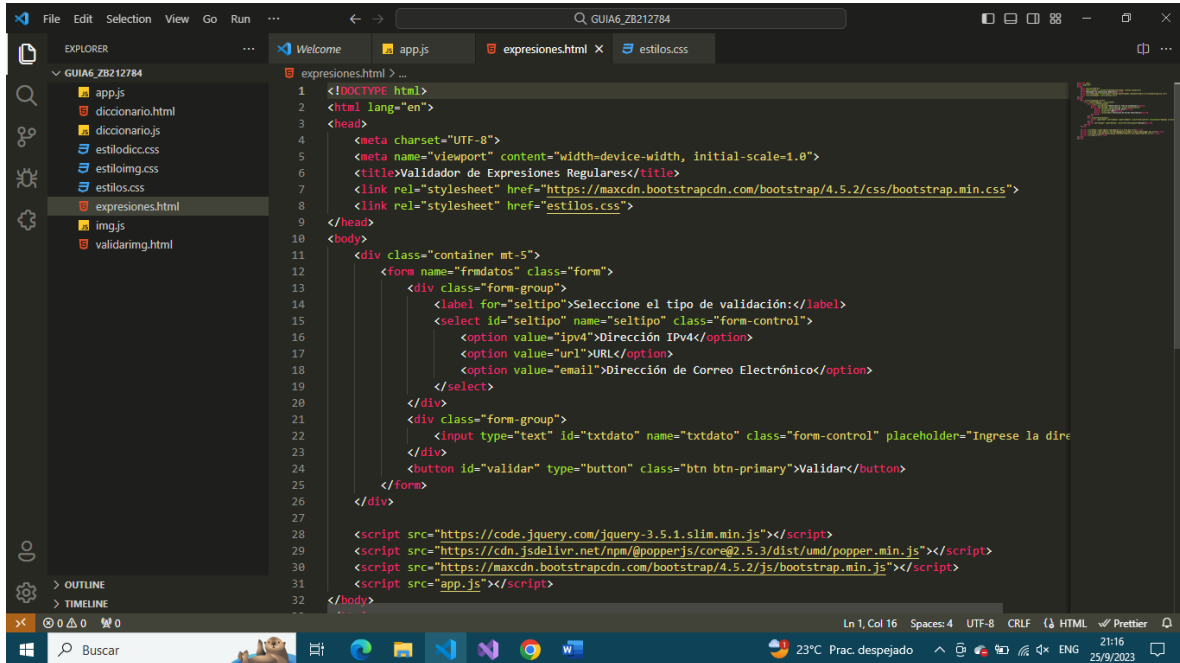
Definición de Calabaza...

23°C Prac. despejado 21:15 25/9/2023

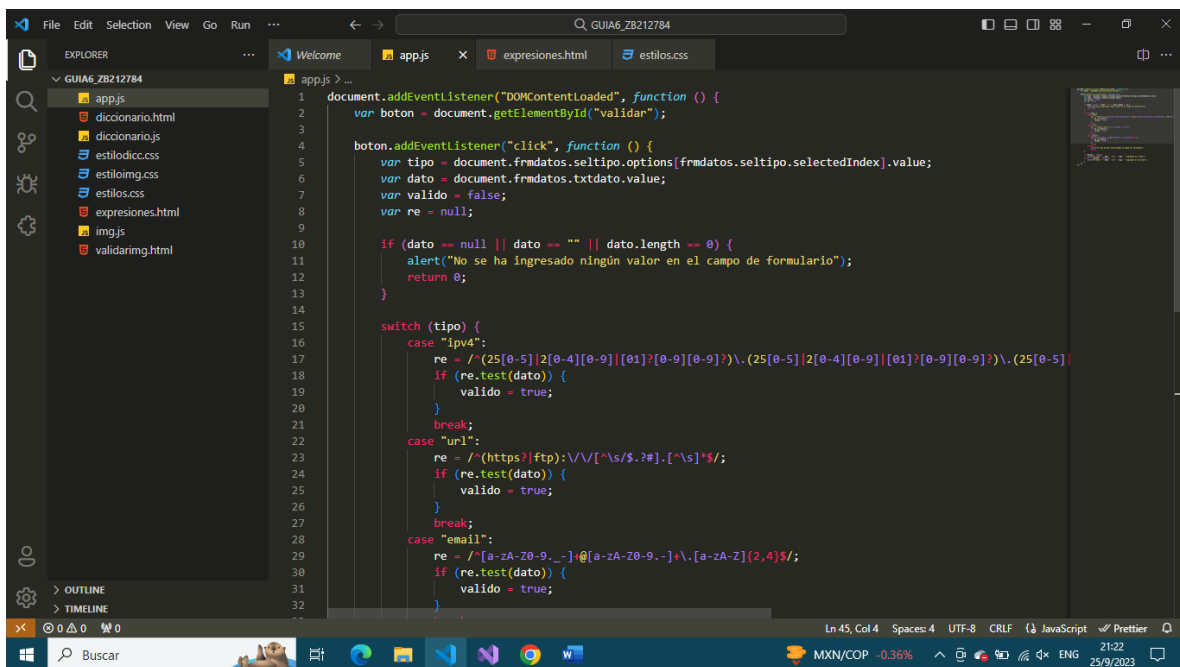
GUIA 6
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Expresiones

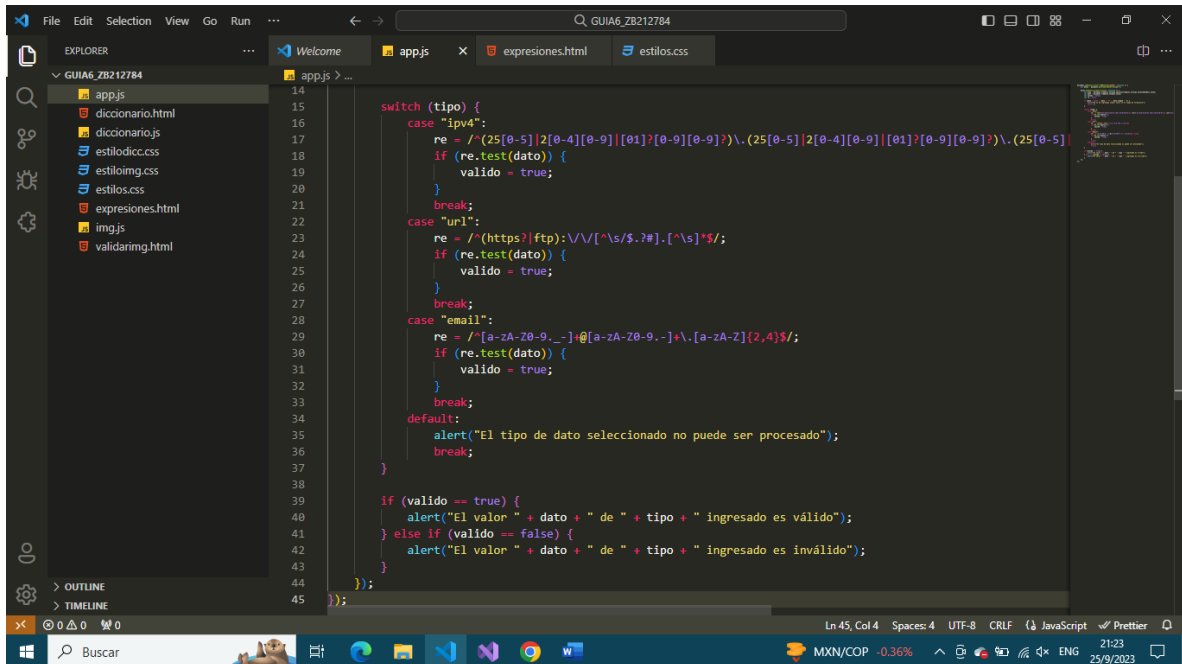


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Validador de Expresiones Regulares</title>
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
8   <link rel="stylesheet" href="estilos.css">
9 </head>
10 <body>
11   <div class="container mt-5">
12     <form name="frmdatos" class="form">
13       <div class="form-group">
14         <label for="seltipo">Seleccione el tipo de validación:</label>
15         <select id="seltipo" name="seltipo" class="form-control">
16           <option value="ipv4">Dirección IPv4</option>
17           <option value="url">URL</option>
18           <option value="email">Dirección de Correo Electrónico</option>
19         </select>
20       </div>
21       <div class="form-group">
22         <input type="text" id="txtdato" name="txtdato" class="form-control" placeholder="Ingrese la dire
23       </div>
24       <button id="validar" type="button" class="btn btn-primary">Validar</button>
25     </form>
26   </div>
27
28   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
29   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>
30   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
31   <script src="app.js"></script>
32 </body>
```



```
1 document.addEventListener("DOMContentLoaded", function () {
2   var boton = document.getElementById("validar");
3
4   boton.addEventListener("click", function () {
5     var tipo = document.frmdatos.seltipo.options[frmdatos.seltipo.selectedIndex].value;
6     var dato = document.frmdatos.txtdato.value;
7     var valido = false;
8     var re = null;
9
10    if (dato == null || dato == "" || dato.length == 0) {
11      alert("No se ha ingresado ningún valor en el campo de formulario");
12      return 0;
13    }
14
15    switch (tipo) {
16      case "ipv4":
17        re = /^(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\. (25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\. (25[0-5]|
18        if (re.test(dato)) {
19          valido = true;
20        }
21        break;
22      case "url":
23        re = /^(https?|ftp):\/\/[^\s/$.?#].[^\s]*$/;
24        if (re.test(dato)) {
25          valido = true;
26        }
27        break;
28      case "email":
29        re = /^[a-zA-Z0-9_-]+@[a-zA-Z0-9_-]+\.[a-zA-Z]{2,4}$/;
30        if (re.test(dato)) {
31          valido = true;
32        }
33    }
```

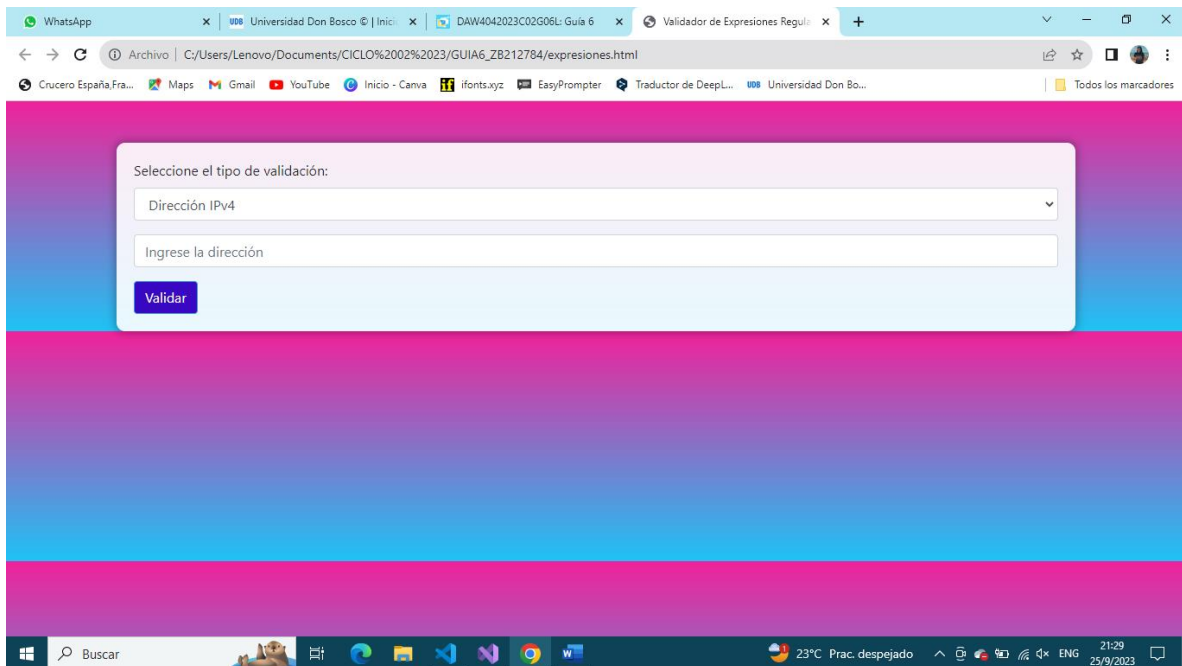
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switch (tipo) {
  case "ipv4":
    re = /^(25[0-5]|2[0-4][0-9]|01?[0-9]?[0-9])\.(25[0-5]|2[0-4][0-9]|01?[0-9]?[0-9])\.(25[0-5]|2[0-4][0-9]|01?[0-9]?[0-9])\.(25[0-5]|2[0-4][0-9]|01?[0-9]?[0-9])$/;
    if (re.test(dato)) {
      valido = true;
    }
    break;
  case "url":
    re = /^(https?|ftp):\/\/[^\s/$.?#].[^\s]*$/;
    if (re.test(dato)) {
      valido = true;
    }
    break;
  case "email":
    re = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
    if (re.test(dato)) {
      valido = true;
    }
    break;
  default:
    alert("El tipo de dato seleccionado no puede ser procesado");
    break;
}

if (valido == true) {
  alert("El valor " + dato + " de " + tipo + " ingresado es válido");
} else if (valido == false) {
  alert("El valor " + dato + " de " + tipo + " ingresado es inválido");
}
});
```



Seleccione el tipo de validación:

Dirección IPv4

Ingrese la dirección

Validar

GUIA 6
DAW