



PRÁCTICA 02-HTML Y CSS

APLICACIONES WEB

Alejandro Vargas Lazcano

Matricula: 2511125231

Grupo:04_01

Profesora: Diana Xochitl Ruano
Varga

Carrera: Ingenieria en
Tecnologias de la Información
e Innovaciòn Digital

Fecha: 16/01/2026

Sección A – Crear la estructura del proyecto

The image consists of two screenshots illustrating the project structure and development environment.

File Explorer Screenshot: This screenshot shows a Windows File Explorer window titled "Prácticas.Web.AlejandroVarg". The path is "Error > Alex - Personal > Documents > GitHub > Prácticas.Web_AlejandroVargasLazca". The left sidebar contains various folders and files under "Mis archivos" and "Alex - Personal". The main pane displays a list of items in the "Práctica 02" folder, including "Práctica 1" (file folder), "Práctica 02" (file folder), and ".gitattributes" (Git Attributes Source). The status bar at the bottom indicates "3 items | 1 item selected | Available on this device |".

VS Code Screenshot: This screenshot shows the Visual Studio Code interface with the title bar "Prácticas.Web_AlejandroVargasLazca". The left sidebar shows the "EXPLORER" view with the following file structure:

- OPEN EDITORS:
 - index.html (Material Icon Theme)
 - # styles.css (U)
 - img1.jpg (U)
 - img2.jpg (Práctica 02/img) (U)
- PRACTICAS_WEB_ALEJANDROVARGASLAZCA:
 - Práctica 1
 - ng new Práctica01
 - Práctica 1 (merged.pdf)
 - Práctica 02
 - css
 - # styles.css (U)
 - img
 - img1.jpg (U)
 - img2.jpg (U)
 - index.html (U)
- .gitattributes

The main editor area shows the "index.html" file with the following content:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <title>Material Icon Theme</title>
    <link href="https://unpkg.com/material-components-web/dist/material-components-web.min.css" rel="stylesheet" />
    <link href="index.html" rel="stylesheet" />
    <link href="# styles.css" rel="stylesheet" />
</head>
<body>
    
    
</body>
</html>
```

An error message "An error occurred while loading the image." is displayed below the code. The status bar at the bottom right shows "Build with Agent" and "Agent Auto".

SECCIÓN B – Crear la estructura HTML

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "PRACTICAS WEB_ALEJANDROVARGASLAZCA". It includes "Practica 01" and "Practica 02". "Practica 02" contains "index.html", "styles.css", and "img" folder with "img1.jpg" and "img2.jpg".
- Editor:** The main editor area displays the content of "index.html".

```
<!DOCTYPE html>
<html lang="es">
<head>
<meta charset="UTF-8">
<title>Práctica 02 - Front End</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="css/styles.css">
</head>
<body>
</body>
</html>
```
- Bottom Status Bar:** Shows "Ln 14, Col 8" and other standard status bar information.
- Right Sidebar:** Features a "Build with Agent" panel with a message: "AI responses may be inaccurate. Generate Agent Instructions to onboard AI onto your codebase." It also has a "Describe what to build next" input field and "Agent" dropdown.

SECCIÓN C – Agregar contenido con HTML semántico

The screenshot shows the Visual Studio Code interface with the following details:

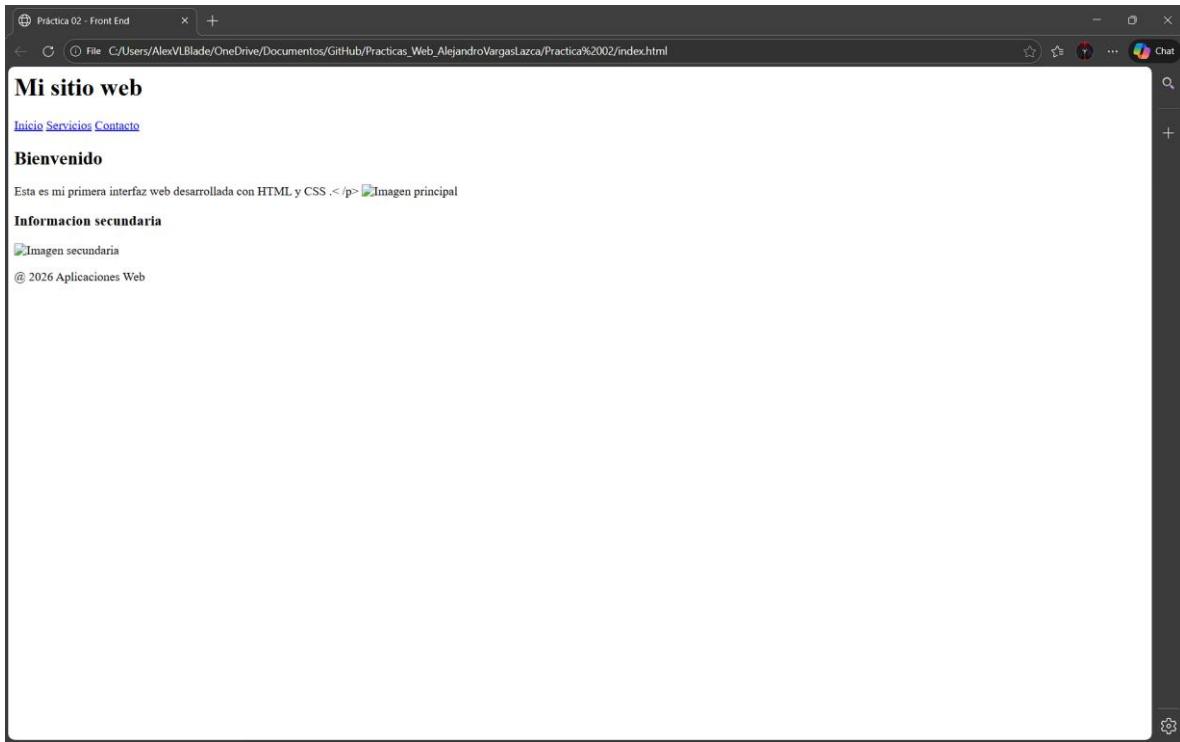
- File Explorer:** Shows the project structure under "PRACTICAS WEB_ALEJANDROVARGASLAZCA". It includes "Practica 01" and "Practica 02". "Practica 02" contains "index.html", "styles.css", and "img" folder with "img1.jpg" and "img2.jpg".
- Editor:** The main editor area displays the content of "index.html".

```
<!DOCTYPE html>
<html lang="es">
<head>
</head>
<body>
<header>
<h1>Mi sitio web</h1>
</header>
<nav>
<a href="#">Inicio</a>
<a href="#">Servicios</a>
<a href="#">Contacto</a>
</nav>
<main>
<section>
<h2>Bienvenido</h2>
<p>Esta es mi primera interfaz web desarrollada con HTML y CSS .</p>

</section>
<aside>
<h3>Información secundaria</h3>

</aside>
</main>
<footer>
<p>© 2026 Aplicaciones Web</p>
</footer>
</body>
</html>
```
- Bottom Status Bar:** Shows "Ln 45, Col 8" and other standard status bar information.
- Right Sidebar:** Features a "Build with Agent" panel with a message: "AI responses may be inaccurate. Generate Agent Instructions to onboard AI onto your codebase." It also has a "Describe what to build next" input field and "Agent" dropdown.

SECCIÓN D – Visualizar la página en el navegador



SECCIÓN E – Crear estilos con CSS

```

body {
    font-family: Arial, sans-serif;
    background-color: #f5f5f5;
}
/*Encabezado*/
header {
    background-color: #5a2d82;
    color: white;
    padding: 20px;
    text-align: center;
}
/*Navegación*/
nav {
    background-color: #e0e0e0;
    padding: 10px;
    text-align: center;
}
nav a {
    margin: 0 10px;
    text-decoration: none;
    color: #333;
    font-weight: bold;
}
/*Contenido principal*/
main {
    display: flex;
    gap: 20px;
    padding: 20px;
}
/*Sección principal*/
section {
    flex: 3;
    background-color: white;
    padding: 15px;
    border-radius: 5px;
}
/*Barra lateral*/
aside {
    flex: 1;
    background-color: #ffffff;
    padding: 10px;
}

```

The screenshot shows the Visual Studio Code interface with the file "styles.css" open in the editor. The code editor has a dark theme. On the left, the Explorer sidebar shows the project structure with files like "index.html", "img1.jpg", "img2.jpg", and ".gitattributes". A floating "Build with Agent" panel is visible on the right, and a "Describe what to build" input field is at the bottom right.

The screenshot shows the Visual Studio Code interface. The code editor displays a CSS file named `# styles.css` with the following content:

```

main {
    gap: 20px;
    padding: 20px;
}

/*Sección principal*/
section {
    flex: 3;
    background-color: white;
    padding: 15px;
    border-radius: 5px;
}

/*Barra lateral*/
aside {
    flex: 1;
    background-color: #ffffff;
    padding: 15px;
    border-radius: 5px;
    border-left: 4px solid #5a2d82;
}

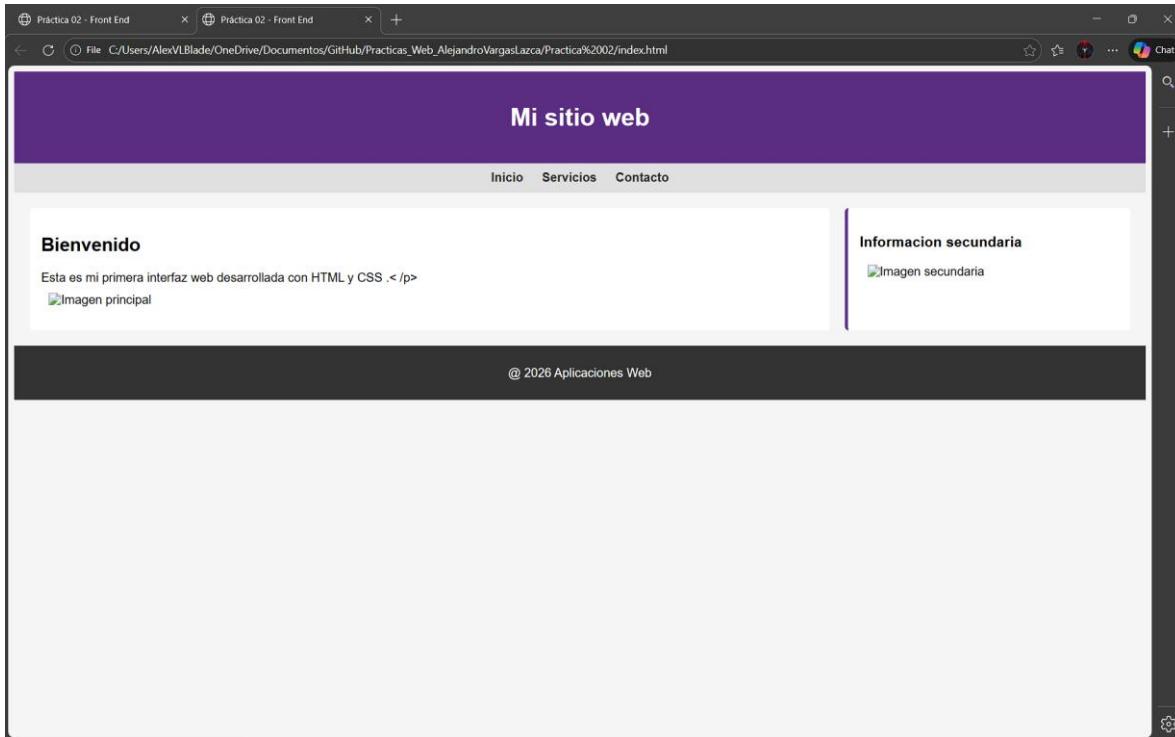
/*Imagenes*/
img {
    max-width: 100%;
    height: auto;
    display: block;
    margin: 10px;
}

/*Pie de página*/
footer {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 10px;
}

```

The terminal at the bottom right shows the command `Port: 5500`.

SECCIÓN F – Verificar estilos aplicados



SECCIÓN G– Aplicar diseño responsivo

The screenshot shows a browser window with the following details:

- Header:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** Practicas.Web.AlejandroVargasLazca
- Left Sidebar:** Explorer, Open Editors, Practicas Web ALEJANDROVARGASLAZCA, Practica 02, # styles.css, img, index.html, .gitattributes.
- Code Editor:** The main area displays the content of the # styles.css file. The code includes responsive design logic for desktop, tablet, and mobile devices. It features CSS properties like flex, background-color, color, text-align, padding, and media queries for widths of 1024px, 1024px, and 600px.
- Right Sidebar:** Build with Agent, AI responses may be inaccurate, Generate Agent, Instructions to onboard AI onto your codebase.
- Bottom:** Main tab bar (main*, index.html, # styles.css), status bar (Ln 92, Col 2, Spaces: 4, UTF-8, CRLF, CSS, Port: 5500, Prettier).

SECCIÓN H – Probar responsividad

