

Copilot

Sure! Let's break down the HTML and CSS code you provided, which creates an accessible table for displaying company contacts:

HTML Structure

1. Document Type and Language

```
<!DOCTYPE html>
<html lang="en">
```

- `<!DOCTYPE html>`: Declares the document type and version of HTML.
- `<html lang="en">`: Sets the language of the document to English.

2. Head Section

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Accessible Table</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    table {
      width: 100%;
      border-collapse: collapse;
    }
    th, td {
      border: 1px solid #ddd;
      padding: 8px;
    }
    th {
      background-color: #f2f2f2;
    }
  </style>
</head>
```

- `<meta charset="UTF-8">`: Specifies the character encoding for the document.
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`: Ensures the webpage is responsive by setting the viewport width to the device width.
- `<title>Accessible Table</title>`: Sets the title of the webpage, which appears in the browser tab.
- `<style> ... </style>`: Contains internal CSS for styling the webpage.

3. CSS Styles

```
body {
  font-family: Arial, sans-serif;
}
table {
  width: 100%;
  border-collapse: collapse;
}
th, td {
  border: 1px solid #ddd;
  padding: 8px;
}
th {
```

```
background-color: #f2f2f2;
}
```

- **body**: Sets the font family for the entire document.
- **table**: Sets the table width to 100% and collapses the borders.
- **th, td**: Adds a border and padding to table headers and cells.
- **th**: Sets the background color of table headers.

4. Body Section

```
<body>
  <h1>Company Contacts</h1>
  <table aria-label="Company Contacts">
    <thead>
      <tr>
        <th scope="col">Company</th>
        <th scope="col">Contact</th>
        <th scope="col">Country</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Alfreds Futterkiste</td>
        <td>Maria Anders</td>
        <td>Germany</td>
      </tr>
      <tr>
        <td>Centro comercial Moctezuma</td>
        <td>Francisco Chang</td>
        <td>Mexico</td>
      </tr>
      <tr>
        <td>Ernst Handel</td>
        <td>Roland Mendel</td>
        <td>Austria</td>
      </tr>
    </tbody>
  </table>
</body>
</html>
```

- **<body>**: Contains the visible content of the webpage.
- **<h1>Company Contacts</h1>**: Main heading of the webpage.
- **<table aria-label="Company Contacts">**: Defines a table with an accessible label.
- **<thead>**: Contains the table header row.
- **<tr>**: Defines a table row.
- **<th scope="col">**: Defines a table header cell with a column scope.
- **<tbody>**: Contains the table body rows.
- **<td>**: Defines a table data cell.

Accessibility Features

- **aria-label="Company Contacts"**: Provides an accessible label for the table, which helps screen readers describe the table's purpose.
- **scope="col"**: Indicates that the **<th>** elements are headers for their respective columns, improving accessibility for screen readers.

This code creates a simple, accessible table with company contact information, styled with basic CSS for readability. If you have any more questions or need further details, feel free to ask!