

3.2 HTML Lists and Tables



space groceries - answered by Christian Jay Salvino

Listing items

- **HTML lists** allow web developers to group a set of related items in lists.

An unordered HTML list:

- Item
- Item
- Item
- Item

An ordered HTML list:

1. First item
2. Second item
3. Third item
4. Fourth item

Bulleted lists

- An **unordered list** starts with the `` tag. Each list item starts with the `` tag.
- The list items will be marked with bullets (small black circles) by default.
- The following code creates a simple list of three items:

```
<ul>  
<li>Coffee</li>  
<li>Tea</li>  
<li>Milk</li>  
</ul>
```

- The code would result in the following:

- Coffee
- Tea
- Milk

Tag	Description	Sample code	Code explanation
<code></code>	<ul style="list-style-type: none"> • Defines an unordered list 	<pre> Item #1 Item #2 Item #3 </pre>	<ul style="list-style-type: none"> • Creates an unordered list (<code></code>) with three list items (<code></code>) containing "Item #1," "Item #2," and "Item #3."

Numbered lists

- An **ordered list** starts with the `` tag. Each list item starts with the `` tag.
- The list items will be marked with numbers by default.
- The following code creates a simple list of three items:

```

<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

```

- The code would result in the following:

1. Coffee
2. Tea
3. Milk

Tag	Description	Sample code	Code explanation
<code></code>	<ul style="list-style-type: none"> • Defines an ordered list 	<pre> Item #1 Item #2 Item #3 </pre>	<ul style="list-style-type: none"> • This code creates an ordered list (<code></code>) with three numbered list items (<code></code>) containing "Item #1," "Item #2," and "Item #3."

When to use which list

Category	Use unordered list	Use ordered list
Sequencing	When the order of the list items does not matter, and you want to present	When the order of the list items is crucial and you want to indicate priority, steps, or

	the items as a simple collection without any specific numbering or ranking.	a chronological sequence.
Presentation	When you prefer a bulleted style to visually separate each item in the list, which is commonly used for lists where there is no inherent order or priority.	When you want to display the items in a numbered format to show their specific rank or importance.
Flexibility	When you may need to add or remove items in the list frequently, as <code></code> does not depend on the sequential numbering and allows for easy item insertion or deletion without affecting the order.	When you need to ensure the items stay in a fixed and predefined order, making it easier for users to follow a sequence or process.

Nested Lists

- Nesting HTML lists means placing one list inside another list. This allows you to create a hierarchical structure for organizing content.
- To nest lists in HTML, you use the `` (unordered list) or `` (ordered list) tags for the outer list and then include another `` or `` inside one of the list items of the outer list.
- The following code creates a list nested within another list.

```

<ol>
  <li>Step 1</li>
  <li>Step 2</li>
  <li>
    Step 3
    <ol>
      <li>Sub-step 3.1</li>
      <li>Sub-step 3.2</li>
    </ol>
  </li>
  <li>Step 4</li>
</ol>

```

- The code would result in the following:

1. Step 1
2. Step 2
3. Step 3
 1. Sub-step 3.1
 2. Sub-step 3.2
4. Step 4

Tables

- **HTML tables** allow data to be arranged into rows and columns.
- A table in HTML consists of table cells inside *rows* (horizontal) and *columns* (vertical).

Name		Age
Jill	Smith	43
Eve	Jackson	57

- The following code creates a simple list of three items:

```
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <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>
</table>
```

- The code would result in the following:

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico

- Each table cell is defined by a `<td>` and a `</td>` tag.
- Everything between `<td>` and `</td>` are the content of the table cell.
- Each table row starts with a `<tr>` and ends with a `</tr>` tag.
- Sometimes you want your cells to be headers. In those cases use the `<th>` tag instead of the `<td>` tag.

Tag	Description	Attributes	Sample code	Code explanation
<code><table></code>	<ul style="list-style-type: none"> Used to create a structured grid or tabular representation of data on a webpage. 		<pre> <table> <tr> <th>Column #1</th> <th>Column #2</th> <th>Column #3</th> </tr> <tr> <td>Item #1A</td> <td>Item #1B</td> <td>Item #1C</td> </tr> </table> </pre>	<ul style="list-style-type: none"> Creates an HTML table with three columns and two rows. The first row contains header cells <code><th></code> labeled "Column #1," "Column #2," and "Column #3," and the subsequent rows contain data cells <code><td></code> with various items in each column.
<code><tr></code>	<ul style="list-style-type: none"> Represents a table row Used to group and organize table cells horizontally. 		<pre> <tr> <td>Item #2A</td> <td>Item #2B</td> <td>Item #2C</td> </tr> </pre>	
<code><th></code>	<ul style="list-style-type: none"> Defines a table header cell Used to represent column or row headings in a table. 	<ul style="list-style-type: none"> <code>colspan</code> - Makes the cell span over multiple columns <code>rowspan</code> - Makes the cell span over 	<pre> <table> <tr> <th>Column #1</th> <th>Column #2</th> <th>Column #3</th> </tr> <tr> <td colspan="2">Item #1A</td> <td>Item #1B</td> </tr> </pre>	<ul style="list-style-type: none"> Creates an HTML table with three columns and three rows, with merged cells (<code>colspan</code> and <code>rowspan</code>) in the second and third rows.

<code><td></code>	<ul style="list-style-type: none"> Defines a standard table data cell Used to display data within the rows and columns of a table. 	multiple rows	<pre> <tr> <td rowspan="2">Item #2A #3A</td> <td>Item #2B</td> <td>ITEM #2C</td> </tr> <tr> <td>Item #3B</td> <td>Item #3C</td> </tr> </table> </pre>	
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Table Borders

- To add a border to your table, add the following in your `<head>` tag.

```

<style>
  table,
  th,
  td {
    border: 1px solid black;
    border-collapse: collapse;
  }
</style>

```

- As this falls under design, we'll discuss table borders more in depth at a later date!

Additional Material

- References
 - [W3Schools](#)