Internship Report Day3 – Front-end Dev

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Internship Domain: Front-end Intern

Task: W3Schools HTML Tutorial and Practice Exercises

Task Overview:

The purpose of this task is to:

- Learn about different types of list tags in HTML.
- Understand how to structure ordered, unordered, and description lists.
- Implement those list tags within an HTML table layout using random data.

Content Covered:

Today I studied and implemented the following list tags:

<ul>: Creates an unordered list (bullet items)

<ol>: Creates an ordered list (numbered items)

<li>: Defines each list item within <ul> or

<dl>: Starts a description list

<dt>: Defines the term (like a title) in a description list

<dd>: Defines the description or explanation of the term

Introduction:

This report summarizes the activities and learning outcomes from today's task. It covers the use of HTML list tags, including unordered lists, ordered lists, and description lists. It explains their purpose, syntax, and practical implementation through examples. The task involved using these lists inside a table to display structured information.

HTML Lists:

HTML lists allow web developers to group a set of related items in lists. HTML lists are used to display items in a structured way, either as a sequence or group.

HTML supports three main types of lists:

1. Unordered Lists:

An unordered list starts with the <ul> tag. Each list item starts with the <li> tag. The list items will be marked with bullets (small black circles) by default:

```
<!DOCTYPE html>
<html>
<body>

<h2>An unordered list of Drinks</h2>

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

</body>
</html>
```

The CSS **list-style-type property** is used to define the style of the list item marker. It is written as:

<ul style="list-style-type:disc;">

It can have one of the following values:

- **disc:** Sets the list item marker to a bullet (default)
- **circle:** Sets the list item marker to a circle
- **square:** Sets the list item marker to a square
- **none:** The list items will not be marked

2. Ordered Lists:

An ordered list starts with the <ol> tag. Each list item starts with the <li> tag. The list items will be marked with numbers by default:

```
<!DOCTYPE html>
<html>
<body>

<h2>An ordered list of Colors</h2>

<ol>
  <li>Purple</li>
  <li>Pink</li>
  <li>Yellow</li>
  <li>Black</li>

</ol>

</body>
</html>
```

The **type attribute** of the <ol> tag, defines the type of the list item marker and it is written as:

<ol type="1">

- **type="1"** The list items will be numbered with numbers (default)
- **type="A"** The list items will be numbered with uppercase letters
- **type="a"** The list items will be numbered with lowercase letters
- **type="I"** The list items will be numbered with uppercase roman numbers
- **type="i"** The list items will be numbered with lowercase roman numbers

3. Description Lists:

In HTML a description list is a list of terms, with a description of each term. The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term:

```
<!DOCTYPE html>
<html>
<body>

<h2>A Description List</h2>

<dl>
  <dt>Coffee</dt>
  <dd>- black hot drink</dd>
  <dt>Milk</dt>
```

```
  <dd>- white cold drink</dd>
</dl>

</body>
</html>
```

- Use the HTML **<dl>** element to define a description list.
- Use the HTML **<dt>** element to define the description term.
- Use the HTML **<dd>** element to describe the term in a description list.

Implementation of HTML Lists:

A) Code: Demonstration of HTML List Types Inside a Table

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML List Tags in a Table</title>
</head>
<body>

 <h1>Demonstration of HTML List Tags inside a Table</h1>

 <table border="1">
  <tr>
   <th>Type of List</th>
   <th>Example</th>
  </tr>

  <tr>
   <td>Unordered List</td>
   <td>
    <ul>
      <li>Pizza</li>
      <li>Burger</li>
      <li>Fries</li>
      <li>Lemonade</li>
    </ul>
   </td>
  </tr>

  <tr>
   <td>Ordered List</td>
   <td>
    <ol>
      <li>Sign Up</li>
      <li>Verify Email</li>
      <li>Login to Dashboard</li>
```

```
        <li>Start Project</li>
      </ol>
    </td>
  </tr>

  <tr>
   <td>Description List</td>
   <td>
    <dl>
      <dt> React:</dt>
      <dd>A JavaScript library for building UIs</dd>
      <dt> Html:</dt>
      <dd>HyperText Markup Language used to structure web content.</dd>
      <dt> Css:</dt>
      <dd>Cascading Style Sheets used to style HTML elements.</dd>
    </dl>
   </td>
  </tr>

 </table>

</body>
</html>
```

127.0.0.1:5500/list-tags.html

Demonstration of HTML List Tags inside a Table

Type of List	Example
Unordered List	• Pizza • Burger • Fries • Lemonade
Ordered List	1. Sign Up 2. Verify Email 3. Login to Dashboard 4. Start Project

Description List	React:
	    A JavaScript library for building UIs
	Html:
	    HyperText Markup Language used to structure web content.
	Css:
	    Cascading Style Sheets used to style HTML elements.

B) Code: Representation of Team Tasks Using HTML List in a Table

```html
<!DOCTYPE html>
<html>
<head>
 <title>Team Member Tasks</title>
</head>
<body>

 <h2>Assigned Tasks by Team Member</h2>

 <table border="1">
  <tr>
    <th>Team Member</th>
    <th>Tasks (Bulleted)</th>
    <th>Tasks (Numbered)</th>
    <th>Tools & Skills</th>
  </tr>

  <tr>
    <td>Zainab</td>
    <td>
     <ul>
       <li>Design UI</li>
       <li>Create Wireframes</li>
       <li>Present to client</li>
     </ul>
    </td>
    <td>
     <ol>
       <li>Login page</li>
       <li>Home screen</li>
     </ol>
    </td>
    <td>
     <dl>
       <dt>Figma:</dt>
       <dd>Used for wireframe design</dd>
       <dt>HTML:</dt>
       <dd>Structure of UI</dd>
     </dl>
    </td>
  </tr>

  <tr>
    <td>Ayesha</td>
    <td>
     <ul>
       <li>Collect Requirements</li>
       <li>Coordinate with Team</li>
     </ul>
```

```html
      </td>
      <td>
       <ol>
         <li>Create document</li>
         <li>Submit to Lead</li>
         <li>Get approval</li>
       </ol>
      </td>
      <td>
       <dl>
         <dt>MS Word:</dt>
         <dd>For documentation</dd>
         <dt>Communication:</dt>
         <dd>Team collaboration and updates</dd>
       </dl>
      </td>
    </tr>

    <tr>
      <td>Hania</td>
      <td>
       <ul>
         <li>Test Login Flow</li>
         <li>Check API Errors</li>
       </ul>
      </td>
      <td>
       <ol>
         <li>Report Bugs</li>
         <li>Retest Fixes</li>
       </ol>
      </td>
      <td>
       <dl>
         <dt>Postman:</dt>
         <dd>Used for API testing</dd>
         <dt>JavaScript:</dt>
         <dd>Test frontend validations</dd>
       </dl>
      </td>
    </tr>

  </table>

</body>
</html>
```

Assigned Tasks by Team Member

Team Member	Tasks (Bulleted)	Tasks (Numbered)	Tools & Skills

Zainab	• Design UI
	• Create Wireframes
	• Present to client
		1. Login page
		2. Home screen
			Figma:
			    Used for wireframe design
			HTML:
			    Structure of UI

Ayesha	• Collect Requirements
	• Coordinate with Team
		1. Create document
		2. Submit to Lead
		3. Get approval
			MS Word:
			    For documentation
			Communication:
			    Team collaboration and updates

Hania	• Test Login Flow
	• Check API Errors
		1. Report Bugs
		2. Retest Fixes
			Postman:
			    Used for API testing
			JavaScript:
			    Test frontend validations

Conclusion:

Through this task, I gained hands-on experience with HTML list tags and learned how to use them within table structures. It helped me understand how to organize content clearly and semantically, which is essential for front-end development.