

HTML

List And Links



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4. **Tables and Data**
5. **Html Validation**
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7. **Html Frameworks**

Lists are a common way to organize and display information in HTML.

There are two types of lists in HTML:

- ordered lists and
- unordered lists.

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Tags used in List:

- : The element is used to create an unordered list. An unordered list displays a list of items without any specific order.
- : The element is used to create an ordered list. An ordered list displays a list of items in a specific order.
- : The element is used to create a list item. List items are the individual elements within a list.

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Example:

```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>
```



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Links are a fundamental element in HTML that allow users to navigate between pages and websites.

HTML elements that are used to create links:

- **<a>**: The **<a>** element is used to create a hyperlink. The href attribute specifies the URL of the page to link to.
- ****: The **** element is used to display an image. The src attribute specifies the URL of the image, and you can use the **<a>** element to turn the image into a link.
- **<button>**: The **<button>** element can also be used to create a clickable link.

Forms And Input



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- HTML forms allow users to input data that can be sent to a server for processing.

Forms typically contain input elements such as:

- text fields
- checkboxes
- radio buttons
- drop-down menus.

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Some common HTML form elements:

- <form>: The <form> element is used to create an HTML form. It contains one or more form elements such as input fields, labels, and buttons.
- <input>: The <input> element is used to create various types of form elements such as text fields, radio buttons, checkboxes, and submit buttons.
- <label>: The <label> element is used to provide a label for an input element. It improves accessibility and helps users understand the purpose of the input field.

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Some common HTML form elements:

- <textarea>:

The <textarea> element is used to create a multi-line text input field.

- <select>:

The <select> element is used to create a drop-down list of options.

- <button>:

The <button> element is used to create a clickable button.

Forms And Input Example



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```
<form>
  <label for="username">Username or Email:</label>
  <input type="text" id="username" name="username" required>

  <label for="password">Password:</label>
  <input type="password" id="password" name="password" required>

  <input type="submit" value="Log In">
</form>
```

Forms And Input Example



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```
<form>
  <label for="email">Email:</label>
  <input type="email" id="email" name="email" required>

  <label for="password">Password:</label>
  <input type="password" id="password" name="password" minlength="8" required>

  <label for="confirm_password">Confirm Password:</label>
  <input type="password" id="confirm_password" name="confirm_password" minlength="8" required>

  <label for="gender">Gender:</label>
  <select id="gender" name="gender">
    <option value="male">Male</option>
    <option value="female">Female</option>
    <option value="other">Other</option>
  </select>

  <input type="submit" value="Sign Up">
</form>
```



Tables And Data

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Tables are a common way to display data in HTML. Tables can be used to display information in a structured and organized way.

Some HTML elements that are used to create tables:

- **<table>:**

The `<table>` element is used to create an HTML table.

- **<tr>:**

The `<tr>` element is used to create a table row.

- **<th>:**

The `<th>` element is used to create a table header cell.

- **<td>:**

The `<td>` element is used to create a table data cell.

Html Validation



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HTML validation is the process of checking the syntax and structure of HTML code.

It is important because it helps ensure that your website is accessible to as many users as possible, including those using different browsers, devices, and assistive technologies.

There are many online tools available that can help you validate your HTML code, such as the W3C Markup Validation Service.

Html Optimization



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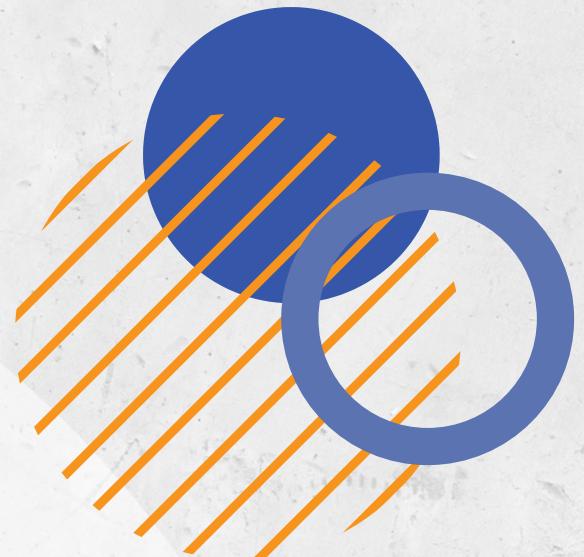
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HTML optimization refers to the process of improving the performance and efficiency of HTML code to make it load faster and consume fewer resources.

Some of the techniques used for HTML optimization include:

1. Minification
2. Compression
3. Using CSS and JavaScript files
4. Using caching

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THANK YOU