



Web Design

Rajani S

Department of Computer
Applications

Web Design

Designing Websites

Rajani S

Department of Computer Applications



Web Design

List Tag



- HTML lists allow web developers to group a set of related items in lists.
- **Types:**
 - 1) Ordered List
 - 2) Unordered List
 - 3) Definition List



Ordered List

An **ordered list** starts with the **** tag. Each list item starts with the **** tag.

Syntax:

```
<ol>  
  <li>-----</li>  
  <li>-----</li>  
  <li>-----</li>  
</ol>
```

Example:

```
<ol>  
  <li> HTML </li>  
  <li> CSS </li>  
  <li> JavaScript </li>  
</ol>
```



Web Design

Ordered List



Example 1:

```
<html>
<head> <title> Ordered list </title>
</head>
<body>
  <h3> Cessna 210 Engine Starting Instructions </h3>
  <ol>
    <li> Set mixture to rich </li>
    <li> Set propeller to high RPM </li>
    <li> Set ignition switch to "BOTH" </li>
    <li> Set auxiliary fuel pump switch to "LOW PRIME" </li>
    <li> When fuel pressure reaches 2 to 2.5 PSI </li>
  </ol>
</body>
</html>
```



- Unordered List or Bulleted List displays elements in bulleted format . We can use unordered list where we do not need to display items in any particular order.
- The HTML `` tag defines an unordered list.
- An unordered list starts with the `` tag.
- Each list item starts with the `` tag.



Web Design

Unordered List

Syntax:

```
<ul>  
    <li>-----</li>  
    <li>-----</li>  
    <li>-----</li>  
</ul>
```

Example:

```
<ul>  
    <li> HTML </li>  
    <li> CSS </li>  
    <li> JavaScript </li>  
</ul>
```



Web Design

Unordered List



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



Example 2:

```
<ul style="list-style-type:circle;">
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
</ul>
```

Example 3:

```
<ul type="circle">
    <li>List item </li>
    <li>List item</li>
    <li>List item</li>
</ul>
```

• **Type attribute** should be used only on the `` or `` elements. Not recommended in **HTML5**,

• **list-style-type:circle** is a **CSS property** that defines the marker type.

• More **flexible and recommended** in modern HTML because CSS separates styling from structure.

recommended in **HTML5**,



Web Design

Unordered List

Example 1:

```
<ul style="list-style-type:disc;">  
    <li>Coffee</li>  
    <li>Tea</li>  
    <li>Milk</li>  
</ul>
```

```
<ul type="square">  
    <li>List item</li>  
    <li>List item</li>  
    <li>List item</li>  
</ul> </body>
```



Web Design

Unordered List

Example 2:

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

```
<h3>Unordered List with Disc (default)</h3>
<ul type="disc">
  <li>Milk</li>
  <li>Bread</li>
  <li>Eggs</li>
</ul>
```

```
<h3>Unordered List with Circle</h3>
<ul type="circle">
  <li>Apple</li>
  <li>Banana</li>
  <li>Mango</li>
</ul>
```

```
<h3>Unordered List with Square</h3>
<ul type="square">
  <li>Pen</li>
  <li>Pencil</li>
  <li>Eraser</li>
</ul>
```

```
</body>
</html>
```

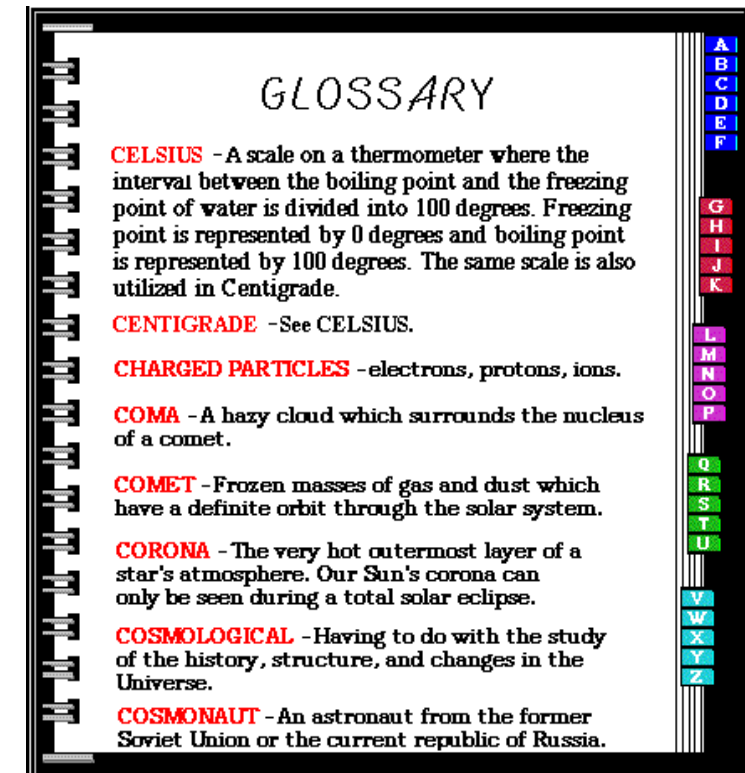


Web Design

Definition List

A **definition list** in HTML is used to display a list of terms and their corresponding definitions.

- List is the content of the `<dl>` tag
- Terms being defined are the content of the `<dt>` tag
- The definitions themselves are the content of the `<dd>` tag





Web Design

Definition List



- <dl>: Defines the start and end of the definition list.
- <dt>: Defines a term or name in the list.
- <dd>: Defines the description or definition of the term

s
e
t
t
h
e
l
i
s
t
i
t
e
r
e
r
k

HTML

HTML stands for HyperText Markup Language. It is the standard language for creating web pages and web applications.

CSS

CSS stands for Cascading Style Sheets. It is used to style and layout web pages, such as changing fonts, colors, and spacing.

JavaScript

JavaScript is a programming language that enables interactive web pages. It is an essential part of web applications.



Web Design

Definition List



- **Example 3:**

```
<h3> Single-Engine Cessna Airplanes </h3>
```

```
<dl >
```

```
  <dt> 152 </dt>
```

```
  <dd> Two-place trainer </dd>
```

```
  <dt> 172 </dt>
```

```
  <dd> Smaller four-place airplane </dd>
```

```
  <dt> 182 </dt>
```

```
  <dd> Larger four-place airplane </dd>
```

```
  <dt> 210 </dt>
```

```
  <dd> Six-place airplane </dd>
```

```
</dl>
```

Single-Engine Cessna Airplanes

152

Two-place trainer

172

Smaller four-place airplane

182

Larger four-place airplane

210

Six-place airplane - high performance



Web Design

Nested List



- Any type list can be nested inside any type list.
- The nested list must be in a list item.

Example:

```
<h3> Aircraft Types </h3>
<ol>
  <li> General Aviation (piston-driven engines)
    <ol>
      <li> Single-Engine Aircraft
        <ol>
          <li> Tail wheel </li>
          <li> Tricycle </li>
        </ol>
      </li>
    </ol>
  </li>
</ol>
```



Web Design

Definition List

- **Nested Example 4:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h3>Nested List Example</h3>
```

```
<ul>
```

```
  <li>Fruits
```

```
    <ul type="circle">
```

```
      <li>Apple</li>
```

```
      <li>Mango</li>
```

```
      <li>Banana</li>
```

```
    </ul>
```

```
  </li>
```

- **Fruits**

○ Apple

○ Mango

○ Banana

- **Vegetables**

■ Carrot

■ Potato

■ Spinach



Web Design

Definition List

```
<li>Vegetables
  <ul type="square">
    <li>Carrot</li>
    <li>Potato</li>
    <li>Spinach</li>
  </ul>
</li>
</ul>

</body>
</html>
```

- **Fruits**
 - Apple
 - Mango
 - Banana
- **Vegetables**
 - Carrot
 - Potato
 - Spinach



Web Design

Definition List

EL Example 1:

1. Chapter 1
 - a. Introduction
 - b. Background
2. Chapter 2
 - a. Methodology
 - b. Results
3. Chapter 3
 - a. Discussion
 - b. Conclusion



Web Design

Definition List

EL Example 2:

- **Programming Languages**
 1. Web Development
 - **HTML** – Defines the structure of web pages
 - **CSS** – Styles and layouts for web pages
 - **JavaScript** – Adds interactivity to web pages
 2. Data Science
 - **Python** – Widely used for ML, AI, and data analysis
 - **R** – Specialized in statistical analysis
- **Databases**
 - MySQL
 - PostgreSQL
 - MongoDB



THANK YOU

Rajani S

Department of Computer Applications

rajanis@pes.edu