

Quadrant II – Transcript and Related Materials

Programme: Bachelor of Science (First Year)

Subject: Computer Science

Course Code: CSG104

Course Title: Generic Elective: Multimedia and Web Design

Unit: 04

Module Name: Lists, Hyperlinks

Notes:

Lists:

- HTML Lists are used to specify lists of information.
- All lists may contain one or more list elements.
- HTML lists allow web developers to group a set of related items in lists.
- There are three different types of HTML lists:
- Ordered List or Numbered List (ol)
- Unordered List or Bulleted List (ul)
- Description List or Definition List (dl)

HTML Ordered Lists:

- In the ordered HTML lists, all the list items are marked with numbers by default.
- Ordered Lists is also known as numbered list.
- The ordered list starts with tag and the list items start with tag.
- The numbering starts at one and is incremented by one for each successive ordered list element tagged with .

Example of Ordered Lists:

✓ Example:

```
<ol>
```

```
<li>Aries</li>
```

```
<li>Bingo</li>
```

```
<li>Leo</li>
```

```
<li>Oracle</li>
</ol>
```

HTML Unordered List

- An unordered list is a collection of related items that have no special order or sequence.
- In Unordered list, all the list items are marked with bullets.
- Unordered list is also known as bulleted list.
- The Unordered list starts with tag and list items start with the tag.
- Example of Ordered Lists:
 - Example:

```
<ul>
<li>Aries</li>
<li>Bingo</li>
<li>Leo</li>
<li>Oracle</li>
</ul>
```

HTML Description List or Definition List

- HTML and XHTML supports a list style which is called definition lists where entries are listed like in a dictionary or encyclopedia.
- The definition list is very appropriate when you want to present glossary, list of terms or other name-value list.
- The HTML definition list contains following three tags:
 - <dl> tag defines the start of the list.
 - <dt> tag defines a term.
 - <dd> tag defines the term definition (description).

- **Example of Description lists**

- ✓ Example:

```
<dl>
<dt>School</dt>
<dd>-An institution for children.</dd>
<dt>Bingo</dt>
<dd>-Evening snacks</dd>
```

```
<dt>Leo</dt>
<dd>-It is also one of the sign.</dd>
<dt>Oracle</dt>
<dd>-It is a multinational corporation.</dd>
</dl>
```

Nested HTML Lists

- A list within another list is termed as nested list.
- A bullet list inside a numbered list such type of list will be called as nested list.
- Example:

```
<ul>
  <li>Tea
    <ol>
      <li>Black tea</li>
      <li>Green tea</li>
    </ol>
  </li>
  <li>Milk</li>
</ul>
```

HTML Hyperlinks

- HTML links are hyperlinks.
- Links are found in nearly all web pages.
- Links allow users to click their way from page to page.
- You can click on a link and jump to another document.
- The HTML `<a>` tag defines a hyperlink. It has the following syntax:
- `link text`
- The most important attribute of the `<a>` element is the href attribute, which indicates the link's destination.
- The *link text* is the part that will be visible to the reader.
- Clicking on the link text, will send the reader to the specified URL address.

Absolute URL

- An absolute URL shows all the information about the full page address in the search engine and all the steps you need to go through to get to the page, including the protocol and domain.
- Links like this can be searched from anywhere on the Internet, not just on one site.
- Absolute URLs always include the domain name of the site with `http://www`.

Relative URL

- The relative URL shows where you are already located. Such addresses do not contain information about the protocol and domain.
- They only show part of the path to the page.
- Relative links show the path to the file or refer to the file itself.
- A relative URL is useful within a site to transfer a user from point to point within the same domain.

Example

`<h2>Absolute URLs</h2>`

`<p>W3C</p>`

`<p>Google</p>`

`<h2>Relative URLs</h2>`

`<p>HTML Images</p>`

`<p>CSS Tutorial</p>`

HTML Links - Use an Image as a Link

- To use an image as a link, just put the `` tag inside the `<a>` tag:
- Example
- ``
``
``

Link to an Email Address

- Using mail to inside the href attribute allow to create a link that opens the user's email program (to let them send a new email):
- Example:
- `Send email`