



HTML links, images, and tables

SENG 4640

Software Engineering for Web Apps

Winter 2023

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Thompson Rivers University

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Lynx (web browser)

From Wikipedia, the free encyclopedia

Jump to: [navigation](#), [search](#)

CAPTION: Lynx

Wikipedia Main Page displayed in Lynx

Wikipedia Main Page displayed in Lynx

Maintainer: Thomas Dickey
Stable release: 2.8.5 (February 4, 2004) [[+/-]]
Preview release: 2.8.6 (?) [[+/-]]
OS: Cross-platform
Use: web browser
License: GPL
Website: lynx.isc.org

Lynx is a text-only Web browser and Internet Gopher client for use on cursor-addressable, character cell terminals.

Browsing in Lynx consists of highlighting the chosen link using cursor keys, or having all links on a page numbered and entering the chosen link's number. Current versions support SSL and many HTML features. Tables are linearized (scrunched together one cell after another without tabular structure), while frames are identified by name and can be explored as if they were separate pages.

Lynx is a product of the Distributed Computing Group within Academic Computing Services of the University of Kansas, and was initially developed in 1992 by a team of students at the university (Lou Montulli, Michael Grobe and Charles Rezac) as a hypertext browser used solely to distribute campus information as part of a Campus-Wide Information Server. In 1993 Montulli added an Internet interface and released a new version (2.0) of the browser [[1]] [[2]] [[3]].

more- http://en.wikipedia.org/wiki/Image:Lynx_28web_browser29.png



Here's a photo of a woman cycling:



Images in HTML: ``

- `` tag includes an image in the HTML page
- Required attributes:
 - **src** – specifies the link to the image to be included. Can be a relative or absolute path
 - **alt** – text to include as image description in case image does not load, or additional information is needed
- Other attributes:
 - **height, width** – specified in pixels (e.g. 50px)
 - **title** – tooltip text displayed when mouse hovers over image

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```
html  
  index.html  
  ▼ woman-cycling.jpg photos  
    woman-cycling.jpg
```

Absolute vs. Relative Path

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- **Relative Path:** path to a file included within local file system, relative to the HTML page

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▼ photos  
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```

```

```

```

```

Links in HTML: <a>

- <a> tag used to include a link to another page/resource on Web
- Associated attributes
 - **href** (Required) – specifies the location to which to navigate if link is clicked
 - **target** – specifies where the link should be opened when clicked
- Similar to images, value of href attribute can either be a relative or absolute link
- Text of element will be displayed as clickable link

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- Similar to images, value of href attribute can either be a relative or absolute link
- Text of element will be displayed as clickable link

```
<a href="http://www.google.ca" target="_self">Google</a>
```


Creating Bookmarks Using Relative URLs

1. Define an **id** attribute for the element for which you would like to create a bookmark

Creating Bookmarks Using Relative URLs

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<h3 id="health"> Healthy Eating </h3>
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1. From within same page:

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<a href="#health"> Jump to Healthy Eating Section </a>
```

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<h3 id="health"> Healthy Eating </h3>
```

2. Create a link to serve as bookmark

1. From within same page:

```
<a href="#health"> Jump to Healthy Eating Section </a>
```

2. From a different page:

```
<a href="index.html#health"> Jump to Healthy Eating Section </a>
```

Tables

```
<table border=1>
  <tr>
    <th> First Name </th>
    <th> Last Name </th>
    <th> Email Address</th>
  </tr>
  <tr>
    <td> John </td>
    <td> Doe </td>
    <td> jodoe@ex.com </td>
  </tr>
  <tr>
    <td> Jane </td>
    <td> Doe </td>
    <td> jadoe@ex.com </td>
  </tr>
</table>
```

First Name	Last Name	Email Address
John	Doe	jodoe@ex.com
Jane	Doe	jadoe@ex.com

Tables

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</table>
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- **<table>** tag is used to define and contain a table

First Name	Last Name	Email Address
John	Doe	jdoe@ex.com
Jane	Doe	jadoe@ex.com

Tables

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  <tr>
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- **<table>** tag is used to define and contain a table
- **<tr>** tag defines a table row

First Name	Last Name	Email Address
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Tables

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- **<table>** tag is used to define and contain a table
- **<tr>** tag defines a table row
- **<th>** tag defines table header (first row, titles)

First Name	Last Name	Email Address
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Tables

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</table>
```

- **<table>** tag is used to define and contain a table
- **<tr>** tag defines a table row
- **<th>** tag defines table header (first row, titles)
- **<td>** tag defines table cell (“table data”)

First Name	Last Name	Email Address
John	Doe	jodoe@ex.com
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Table CSS properties

Property	Description	Sample values
border	Draws a border around table, row, or cell; default is no border	1px solid black

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border	Draws a border around table, row, or cell; default is no border	1px solid black
padding	Space between cell content and its borders	15px

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<code>border</code>	Draws a border around table, row, or cell; default is no border	<code>1px solid black</code>
<code>padding</code>	Space between cell content and its borders	<code>15px</code>
<code>text-align</code>	Horizontal text alignment	<code>center, left, right</code>

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<code>padding</code>	Space between cell content and its borders	<code>15px</code>
<code>text-align</code>	Horizontal text alignment	<code>center, left, right</code>
<code>border-spacing</code>	Space between cells	<code>2px</code>

Merging Cells

- Use **rowspan** attribute to span multiple rows
(merge vertically)

```
<td rowspan="2">Content</td>
```

Row A	This td element spans 2 rows
Row B	

Merging Cells

- Use **rowspan** attribute to span multiple rows (merge vertically)

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<td rowspan="2">Content</td>
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Row A	This td element spans 2 rows
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Merging Cells

- Use **rowspan** attribute to span multiple rows
(merge vertically)

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<td rowspan="2">Content</td>
```

Row A	This td element spans 2 rows
Row B	

- Use **colspan** attribute to span multiple columns
(merge horizontally)

```
<td colspan="2">Content</td>
```

Column A	Column B
--- This td element spans 2 columns ---	

Summary

- We can embed images in HTML files using the `` tag and specifying the images' relative or absolute paths
- We can embed links to other HTML files using the `<a>` tag
- We can organize content into tables using the `<table>` tag