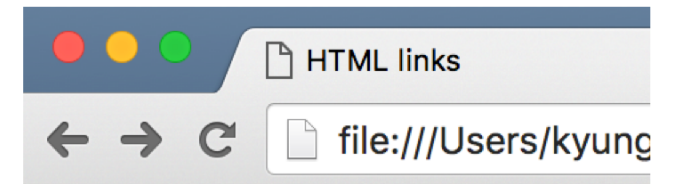# Web Client Computing

Kyungyong Lee

HTML – Make a Link to Other Page

- Hyper Text
  - a structured text that uses links to navigate through different pages
- WWW – World Wide Web
  - Interlinked by hyper text
- Anchor tag <a> represents a link
- Destination is added as an attribute within <a> tag
  - Kookmin Univ. Computer Science

HTML Link Example

- To open the link in a new window add target="_blank" attribute

```
<!DOCTYPE html>
<html>
<head>
  <title>HTML links</title>
</head>
<body>
  <a href="http://cs.kookmin.ac.kr">Kookmin University CS</a><br>
  <a href="http://cs.kookmin.ac.kr" target="_blank">Kookmin University CS</a>
</body>
</html>
```

HTML links
file:///Users/kyung

Kookmin University CS
Kookmin University CS

link.html

HTML – Link within a Page

- Within a page, we can assign ID to an entry and link to it

```
<!DOCTYPE html>
<html>
<head>
  <title>HTML page links</title>
</head>
<body>
  <p id="bookmark-1">This is a new paragraph</p>
  <br><br><br><br><br><br><br><br><br><br><br><br>
  <br><br><br><br><br><br><br><br><br><br><br><br>
  <br><br><br><br><br><br><br><br><br><br><br><br>
  <br><br><br><br><br><br><br><br><br><br><br><br>
  <br><br><br><br><br><br><br><br><br><br><br><br>
  <a href="#bookmark-1">jump in a page</a>
</body>
</html>
~
```

page-link.html

Insert an Image

- Using <img> tag. Attributes
  - src : the location of image file. Both local file system path and URL are OK
  - width : the width of the image in a page (unit: pixel or %)
  - height : the height of the image in a page (unit: pixel or %)
  - title : a message shown when a pointer is over the image
  - alt : a message that will be shown when the image is not available
  - <img src="http://www.kookmin.ac.kr/images/common/footer_logo.gif" width=30 height=10 alt="KMU">
- HTML Screen reader
  - A software program that read what is displayed on the screen
  - For blind people, visually impaired, learning disabled

HTML Image Example

```
<!DOCTYPE html>
<html>
<head>
  <title>My first web page</title>
</head>
<body>
  <img src="http://www.kookmin.ac.kr/images/common/footer_logo.gif" width="150" height="50" title="KMU Logo"></br>
  <img src="foo.bar.invalid.address" width="150" height="50" alt="KMU Logo"><br>
  <img src="http://www.kookmin.ac.kr/images/common/footer_logo.gif" width="20%" height="auto">
</body>
</html>
~
```


KMU 국민대학교
KOOKMIN UNIVERSITY

KMU Logo

KMU 국민대학교
KOOKMIN UNIVERSITY

HTML Image Map

- A image map with clickable areas
- img tag usemap attribute is matched with the map tag name
- map tag contains multiple area tags
  - coords
    - rect: coordinate of rectangle
    - circle: center coordinate and radius

```html
<!DOCTYPE html>
<html>
<head>
  <title>My first web page</title>
</head>
<body>
  <img src="planets.gif" alt="Planets" usemap="#planetmap">
  <map name="planetmap">
    <area shape="rect" coords="0,0,82,126" alt="Sun" href="#sun">
    <area shape="circle" coords="90,58,3" alt="Mercury" href="#mercury">
    <area shape="circle" coords="124,58,8" alt="Venus" href="#venus">
  </map>

  <p id="sun">A paragraph of sun</p><br><br><br><br><br><br><br><br>
  <p id="mercury">A paragraph of mercury</p><br><br><br><br><br><br><br><br>
  <p id="venus">A paragraph of venus</p><br><br><br><br><br><br><br><br>
</body>
</html>
```

HTML5 Video Tag

- Used to add a video into a web page
- Under the video tag, nest source tag with src specifying the movie location
  - controls – show control bar
  - loop – loop when the file play is over
  - autoplay – automatically start the rendering when the page is ready
  - <source> tag contains type to specify the video type

```html
<!DOCTYPE html>
<html>
<head>
  <title>Adding moive to a page</title>
</head>
<body>
  <video width="640" height="480" controls loop>
    <source src="movie.mp4" type="video/mp4">
  </video>
</body>
</html>
```

References

- http://www.w3schools.com/html/ - HTML tutorial
- http://www.htmldog.com/guides/html/
- http://fromyou.tistory.com/581

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http://fromyou.tistory.com/581