



CSCI-UA-4-005

Intro to Web Design + Computer Principles

Paths + Cyberduck Review

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M/W 12:30PM – 1:45PM



Agenda

- ***Absolute vs Relative Paths:*** Warm-Up/Review
- ***i6 Server vs Cyberduck vs local development :*** Review

Paths/URLs

Absolute URL

- Complete and unambiguous
- Less portable
- Most commonly used for external resources/web addresses on the internet

On the web, an absolute URL includes the protocol (http/https), the optional subdomain (www), domain (example.com), and path.

<https://www.example.com/about/team/>

On your local computer:

`file:///C:/Users/YourUsername/Documents/example.txt`

Relative URL

- Used within a website to specify the location of resources **IN RELATION** to the current page or directory
- More concise and used for internal linking
- Easier to maintain

Examples:

<code>.</code>	Represents current directory
<code>./images/pic.jpg</code>	Relative to the current directory
<code>images/pic.jpg</code>	Relative to the current directory
<code>../page.html</code>	One level up in the directory structure
<code>/css/styles.css</code>	Root-relative, starts from the website's root directory

 Absolute  Relative  External  Local

i6.cims.nyu.edu/~ez560

 **Absolute**  **External**

/about.html

 **Relative**

https://en.wikipedia.org/wiki/Computer_science

 **Absolute**  **External**

/Users/emilyzhao/Downloads/module-04.pdf

 **Absolute**  **Local**

../WebDesign/Assignments/Me/styles/main.css

 **Relative**

/images/cat.png

 **Relative**

http://127.0.0.1:5502/index.html

 **Absolute**  **Local**

Paths Practice

✓ **ROOT**

✓ images

 image1.jpg

 image2.jpg

 image3.jpg

✓ pages

<> page1.html

<> page2.html

<> page3.html

<> index.html

styles.css

Problem 1: In the "`index.html`" file located in the root directory, create a link to the "`page1.html`" file using a relative path.

Problem 2: In the "`page2.html`" file located in the "pages" directory, create an image tag to display the "`image2.jpg`" image using a relative path.

Problem 3: In the "`page3.html`" file located in the "pages" directory, create a link to the "`styles.css`" file in the root directory. Use a relative path.

Problem 4: In the "`page1.html`" file located in the "pages" directory, create a link to the "`page2.html`" file using a relative path.

Problem 5: In the "`page2.html`" file located in the "pages" directory, create a link to the "`index.html`" file using a root-relative path.

i6 server, Cyberduck, local computer

i6 Server

```
mail
perl5
public_html
- index.html
- Me
  - index.html
  - page1.html
  - page2.html
```

[i6.cims.nyu.edu/~NETID/
me/index.html](http://i6.cims.nyu.edu/~NETID/me/index.html)

Think of them as two **SEPARATE** computers

Terminal allows you to view and change file/folder permissions on the i6 server

Cyberduck allows you to upload files to the i6 server.

If you want to update a file on the i6 server, you must edit it from Cyberduck or re-upload from your computer.

Always check the URL in the browser to see which files you're looking at!

Any relative links need to work in relation to computer's file system.

Your Computer

```
desktop
documents
web_design
- nyc-website
- index.html
- css-practice
- Me
  - index.html
  - page1.html
  - page1.html
```

<http://127.0.0.1:5502/index.html>

<file:///Users/emilyzhao/Me/index.html>