Your departmental website

How to create an online presence, with pictures

7 September, 2016

Jānis Lazovskis

Slides available online at
`math.uic.edu/~jlv/webtalk`

Things to keep in mind

- There are many ways to get the same job done

- You need a text editor to edit and a console to upload files

	Linux or Mac	Windows
edit files	gedit, vim, Sublime Text, TextMate or similar	Notepad++, Sublime Text or similar
upload files	Terminal	Command Prompt and PuTTY / PSCP

- The internet is a great resource - especially w3schools.com

- Please stop me if you have any questions!

Making your homepage - writing

Open your text editor to a new document and type the following:

```
<html>
<head>
<title>Alice's UIC homepage</title>
</head>

<body>
Hello, world!
</body>

</html>
```

- `html` is for everything, nothing goes outside it
- `head` is for meta information that does not appear
    - keywords, page styling, scripts,...
- `body` is for all text, links, images that do appear

Save the file as `index.html` somewhere you can find it.

Making your homepage - uploading

1.	Open Terminal	Open Command Prompt
2.	Type scp	Drag the PSCP program into the window

3. Type a space in the same console window

4. Drag the index.html file into the same console window

5. In the same console window, type in your UIC Math username, @math.uic.edu, followed by the public_html folder:

$$\text{alice@math.uic.edu:public\_html/}$$

6. Press Enter / Return and type your password when prompted

Improving - adding images

Find a picture you like (we'll upload it!)

Edit the head section of index.html:

```
<title>Alice's UIC homepage</title>
<base href="http://homepages.math.uic.edu/~alice/">
```

Edit the body section of index.html:

```
<h1>Alice A</h1>
<p>Hello, world!</p>
<img src="public-face.jpg" height=200 alt="Alice A">
```

Save the file and repeat the previous slide's steps, but now drag index.html first, then type a space, then drag public-face.jpg into the console window (as in step 4).

Good HTML etiquette

★ All text should go in the `p` or `h` tags

★ All images should have an `alt` description

★ Check if your code is good at `validator.w3.org`

★ Keep it simple - people use different browsers (desktop / mobile)

🕯 Use keywords in the `head` to help Google:

```
<meta name="keywords" content="alice,uic,math">
```

🕯 Don't use GIFs

Improving - adding color with CSS

Quickest: in tags (changes only for a specific tag):

```
<body style="background-color: chartreuse">
<p style="color: blue; text-align: center">
```

Better: in the head (changes for all tags in the page):

```
<style>
body {background-color: chartreuse}
p {color: blue; text-align: center}
</style>
```

Best: in an external file (this code goes in the head):

```
<link rel="stylesheet" href="styles.css"
type="text/css"/>
```

Files and directories

Suppose you want to add your CV:

```
<a href="docs/CV.pdf">Here</a> is my CV.
```

To add a new folder, we need to access the directory on the server:

Open Terminal	Open PuTTY
`ssh alice@math.uic.edu`	In "Host name" put in "math.uic.edu" and click "Open"
	`login as: alice`
Enter your password	Enter your password

Files and directories

Create the new folder:

list all files and folders	`ls`
change directory	`cd public_html`
	`ls`
create a directory	`mkdir docs`
	`ls`
	`cd docs`
	`ls`
go up a directory	`cd ..`
exit the shell	`exit`

Upload to the new folder:

```
scp CV.pdf alice@math.uic.edu:public_html/docs/
```

If on Windows, drag PSCP into the console instead of typing scp.

Experimentation / final thoughts

★ Add your office number, courses you've taught

★ Use `table`, `ul`, `li`, `div` to arrange info

★ Use fancy fonts with Google Fonts

  ● Don't get too fancy! Remember you are a professional

★ Add shadows, menus, widgets

  ● Stick to HTML / CSS (some browsers block Javascript)

★ Find a website you like and copy it

Any questions?