Math Department Tech Stuff

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Accessing Your Department Account Remotely

- **Secure Shell (SSH):** login to department account and execute terminal commands remotely

    - Terminal command: *ssh [math account]@ssh.math.uh.edu*

    - Can probably use this command from any computer (Mac, Windows, Linux) without setup

    - Useful for running code on department computers

- Software to make this easier:

    - Windows: PuTTY

    - Mac: I don't know… use the Terminal!

    - Linux: Dolphin File Browser

```
[dylandw@mathlap284 ~]$ ssh dylandw@ssh.math.uh.edu
```
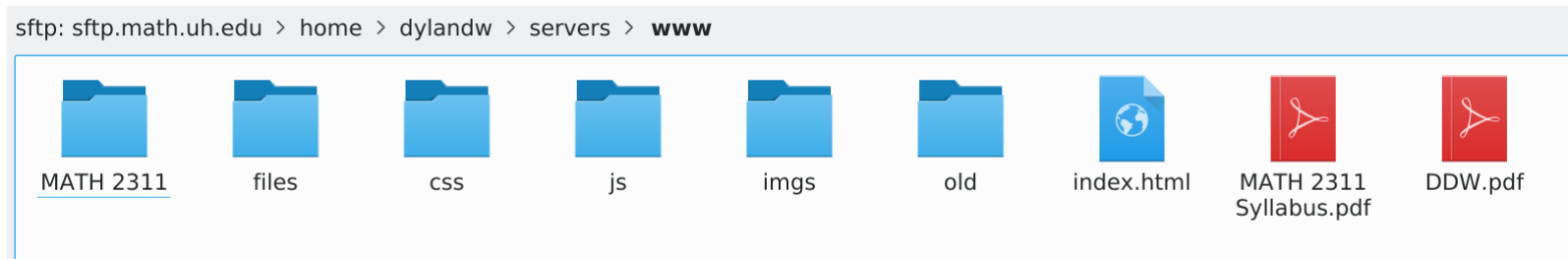
Accessing Your Department Account Remotely

- **SFTP (SSH File Transfer Protocol):** transfer files to/from your department account
  - Terminal command: *sftp [math account]@sftp.math.uh.edu*
  - Can probably use this command from any computer
- Software to make this easier:
  - Windows: PuTTY, WinSCP
  - Mac: Transmit
  - Linux: Built-in to Dolphin file browser

```
[dylandw@mathlap284 ~]$ sftp dylandw@sftp.math.uh.edu
```
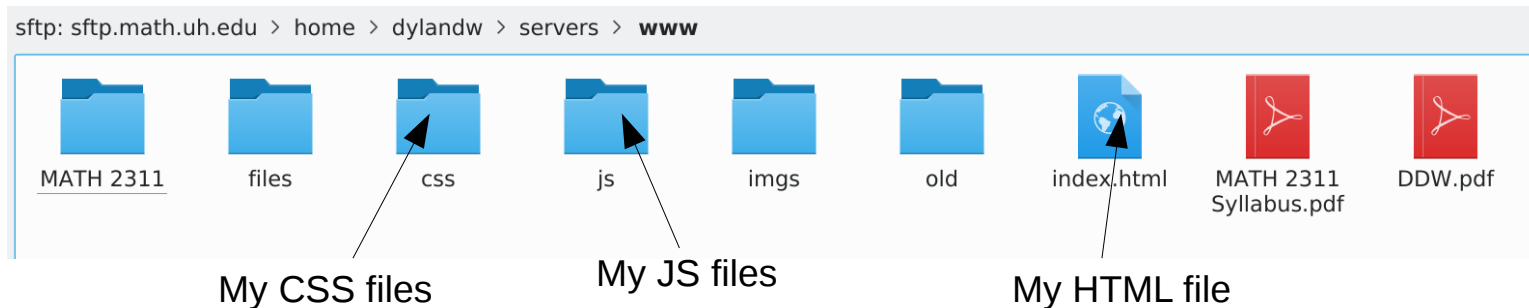
Making Your Department Website

- **File location:** put your website files in the folder *~/servers/www* of your math department account

    - When someone goes to the URL *math.uh.edu/~[math account]*, the browser looks for a file called *index.html* in that folder

    - If you don't have an *index.html* file in there, then the browser will just display the contents of your *~/servers/www* folder

    - Anything you put in this folder is accessible to anyone with the URL!

    - Changes you make to this folder are live! Meaning, immediately accessible via the internet.

Making Your Department Website

- **Designing a website:** learn HTML, CSS, & JavaScript… or just copy and paste!

  - Right-click on any web page, then click *View Page Source* to get the HTML file for the web page

  - Nicer looking websites use more than just HTML

    - Cascading Style Sheet (CSS): lets you alter the look of every element of the page

    - JavaScript (JS): lets you add programmatic functionality to the page

  - You can make/edit HTML, CSS, and JS files in any text editor

sftp: sftp.math.uh.edu > home > dylandw > servers > **www**

MATH 2311   files   css   js   imgs   old   index.html   MATH 2311 Syllabus.pdf   DDW.pdf

My CSS files   My JS files   My HTML file

Making Your Department Website

- **Copying websites from other people:**

  - Ask permission!

  - Feel free to use these templates as a starting point:

    - *http://math.uh.edu/~dylandw/files/WebsiteTemplate-Basic.zip*

    - *http://math.uh.edu/~dylandw/files/WebsiteTemplate-Advanced.zip*

- **Online tutorials for HTML, CSS, JS, etc:**

  - There are plenty of online resources & examples for making a website

  - Just Google it!

Dave's Tech Assistance Website

- Best place to look for help with math department tech stuff:

  - *https://www.math.uh.edu/~dave/*