WEB DEVELOPMENT | Workshop

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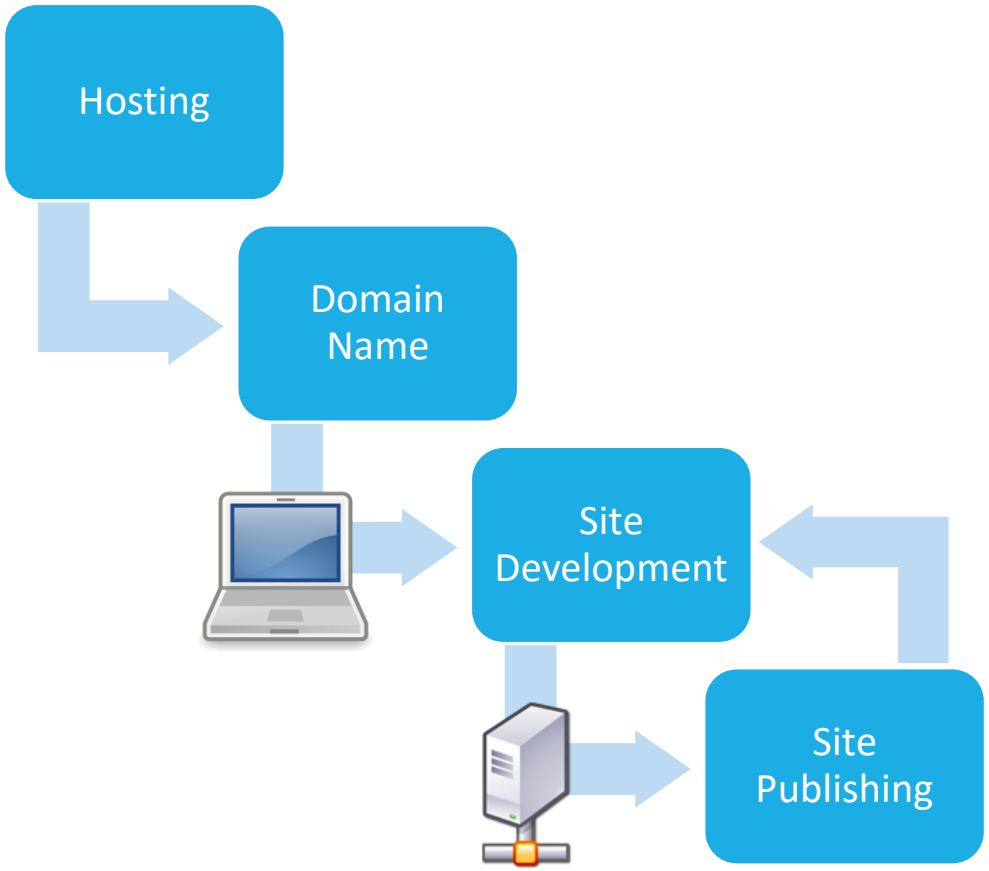
PROCESS



URL ANATOMY

http://	www.example.com	/index.html
• Hypertext Transfer Protocol	• Domain Name	• Specific webpage

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WHERE CAN I PUT MY SITE?

- You will need to store your website to be public available. For this you will need a server.

- You can pay for it…
- Build your own server…
- Get it for (almost) free!

- GitHub Pages (https://pages.github.com/)
  - You will need to know a little bit of *git*.

- 000webhost (http://www.000webhost.com/)
  - You will get some ads.

- Some ways to get a website up using *Dropbox* (http://www.maketecheasier.com/4-ways-to-host-your-website-on-dropbox/)

- Some universities provide the service for free.

TOOLS

- Anything that can edit text
  - Notepad on Windows
  - Gedit on Linux

- Something more advanced like:
  - Notepad++
  - Sublime Text
  - Adobe Brackets

  - This tools will give you syntax highlighting that is really useful to write and read code.

BASIC FILE STRUCTURE

Example

- /site_folder
  - index.html
  - style.css
  - script.js

HTML

*"HyperText Markup Language commonly referred to as **HTML** is the standard markup language used to create web pages. It is written in the form of **HTML** elements consisting of tags enclosed in angle brackets (like <**html**>)"*

in Wikipedia

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <meta charset="UTF-8">
5    <title>
6      My personal page!
7    </title>
8    <!-- Connect to CSS Style file -->
9    <link rel="stylesheet" type="text/css" href="style.css">
10   </head>
11   <body>
12     <!-- Page Content -->
13   </body>
14   <script src="script.js"></script>
15 </html>
```

CSS

*"Cascading Style Sheets (**CSS**) is a style sheet language used for describing the look and formatting of a document written in a markup language."*

in Wikipedia

```
1  body {
2      background-color: #e74c3c;
3  }
4
5  h1 {
6      color: blue;
7  }
8
9  p {
10     text-align: justify;
11 }
```

JAVASCRIPT

*"**JavaScript** is a popular programming language that's built into all the major web browsers and used to make web pages interactive."*

in about.com

```
1  function myFunction() {
2      alert("I am an alert box!");
3  }
```

HANDS ON!

- Let’s build something!

- Link for slides
- https://speakerdeck.com/jpdias/web-development-workshop

DOWNLOAD!

http://bit.ly/workshopieee

USEFUL LINKS

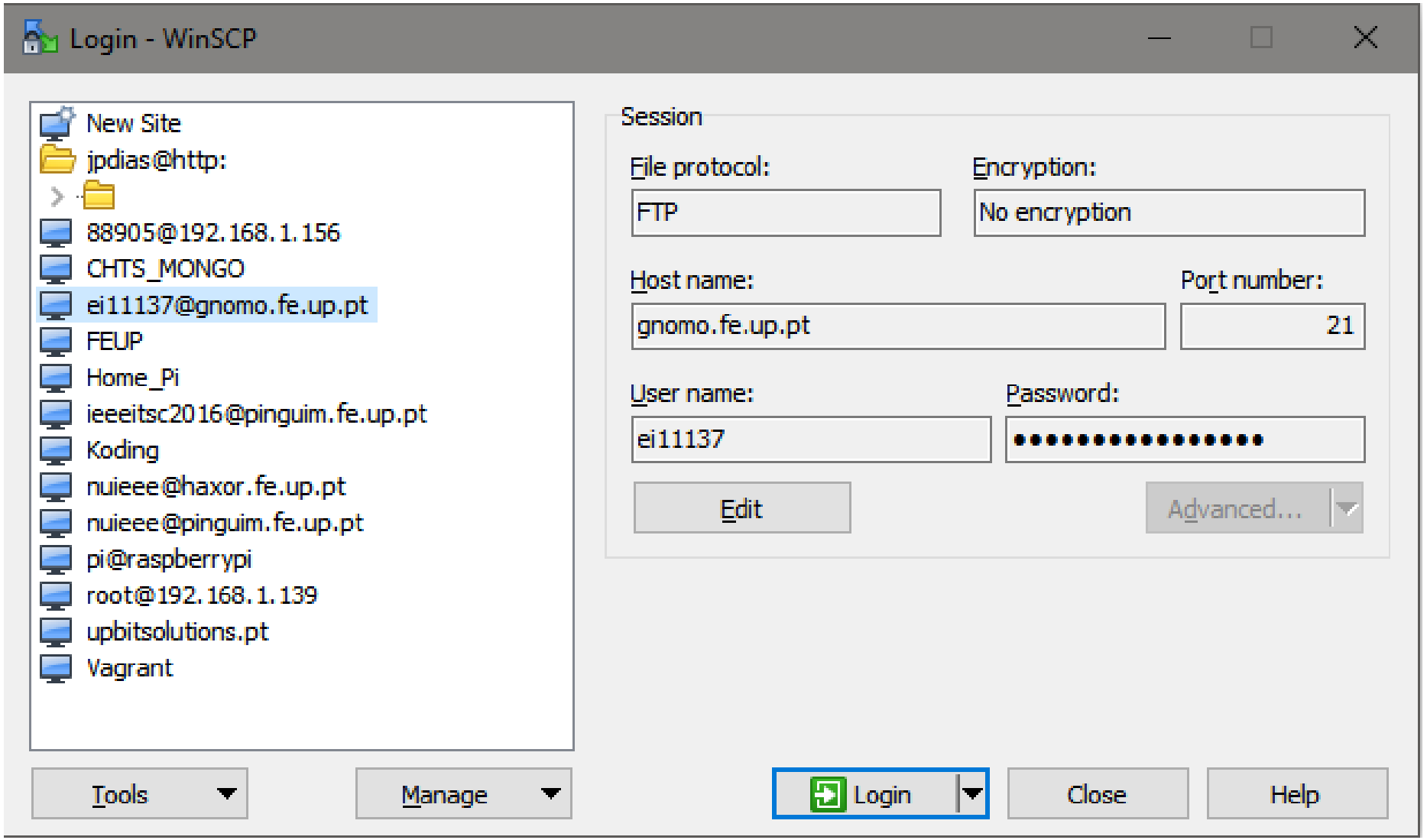
W3Schools - http://www.w3schools.com/

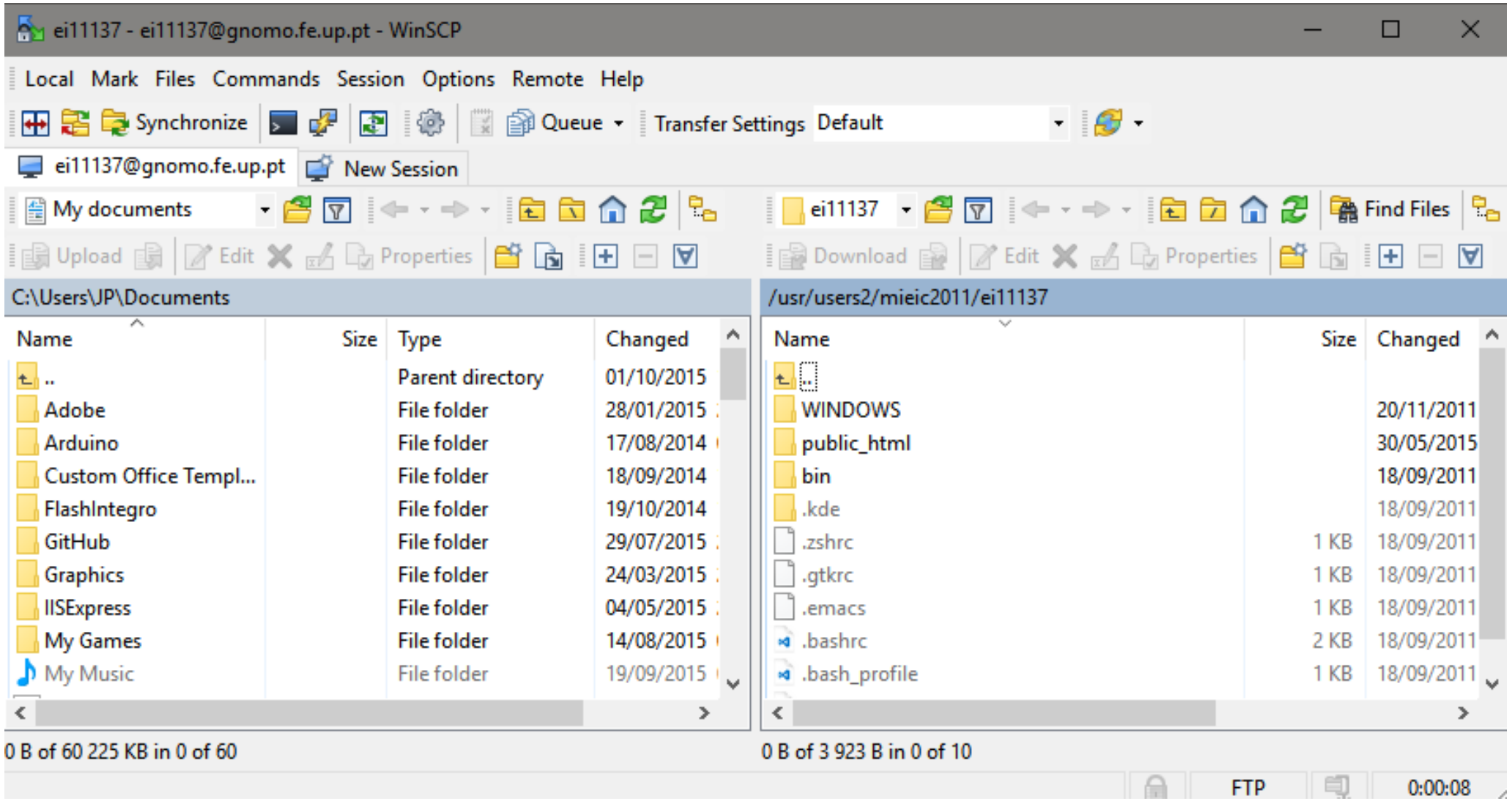
Mozilla - https://developer.mozilla.org/pt-PT/

CodeAcademy - http://www.codecademy.com/en/tracks/htmlcss

FEUP PERSONAL AREAS

- Using WinSCP
  - Create a new connection:
    - Server: gnomo.fe.up.pt / yoda.fe.up.pt
    - Username: eixxxxx / upxxxxxxx
    - Password: SIGARRA password


Login - WinSCP
New Site
jpdias@http:
88905@192.168.1.156
CHTS_MONGO
ei11137@gnomo.fe.up.pt
FEUP
Home_Pi
ieeeitsc2016@pinguim.fe.up.pt
Koding
nuieee@haxor.fe.up.pt
nuieee@pinguim.fe.up.pt
pi@raspberrypi
root@192.168.1.139
upbitsolutions.pt
Vagrant
Session
File protocol:
FTP
Encryption:
No encryption
Host name:
gnomo.fe.up.pt
Port number:
21
User name:
ei11137
Password:
Edit
Advanced...
Tools
Manage
Login
Close
Help



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FREE RESOURCES

- Most of the times you don’t need to start from scratch…

… you can find something you like

… and modify it the way you want to!

- Start Bootstrap *Free Bootstrap Themes & Templates*
  - http://startbootstrap.com/
- Templated
  - http://templated.co/
- Google for it! :D
  - You will find a lot more.

FINAL REMARKS

- By the end of this workshop you should now have:
  - More enthusiasm to build your own page
  - The basic tools and concepts
  - Knowledge of the resources available online
- The web is a wonderful place and you can contribute to it!

THANK YOU!

The End

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