COMPSCI X443 - Fundamentals of Website Development

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**Git**

Files

Github (git repository) folder = directory

* Able to copy folder to local files
* If faster to start from scratch, start over

-Repository – local machine, but mirror github, but got to be pushed for both areas to be identical

-Staging

-version control

- this is where to build, change things

- have to add, commit, push – buttons, nothing is automatic

-move from staging to repo – called commit – when committed, it’s part of system, everyone can get it and be affected

**Tools for Git**

-Sourcetree

-Allasian

-Git command line tool – git-scm.com

-Readmd – md is mark down

-cd – directory – create folder – git clone

-git add . – move to staging area

-git commit – m “add a sample to file”

-git push

Website

-Browser – read a standard text file, which has instruction of what a website should be like (file = Java Script, CSS, HTML) browser – passive

-Server – web server (common use – Apache – program running on server, provide access to files), contains different files

Apache finds the files – docroot (document root) – DNS service map the web address to the server

Localhost – <http://localhost> means on the current machine

On top of server- database – mySQL, mariaDB

M(map) A (apache) M (MySQL) P(PHP) -

Default “Ports” is 80 eg. <http://holub.com:80>

<!DOCTYPE html>

<html>

<head>

<title>My Cool Web Page</title>

<base href="http://localhost" target="\_blank" />

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

<link rel="shortcut icon" href="favicon.ico" type="image/x-icon">

<link rel="icon" href="favicon.ico" type="image/x-icon">

<style>

h2 { color:blue; }

</style>

<meta charset="UTF-8">

<meta name="description" content="My in class sample file">

<meta name="keywords" content-"demo, sample">

<meta author="Lyonna">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<style>

p { margin-top:.5in; margin-bottom:0pt; }

</style>

</head>

<body>

<h1>Hello</h1>

<h2>World<h2>

<p>Here is a paragraph with text.

<p> second <b> paragraph <em>

<p> a short quotation </style>

<code> Here is the code()</code/code>.

<img src="http://holub.com/image/HolubLogo-190x190.jpg"

alt="Holub.com" width="100px" height="100px" ></img>

<a href="http://holub.com" target="\_blank">My web site.</a>

<a href="#top">Go to top</a>

<dt>Term 1 </dt> <dd>Definition 1 </dd>

<dt>Term 2 </dt> <dd>Definition 2 </dd>

<dt>Term 3 </dt> <dd>Definition 3 </dd>

<ol> start="3">

<li>Element 1

<ul>second level

<li>Element 1

<ul>second level

<li>Element 1

<blockquote>

very long quote goes here

very long quote goes here

</blockquote>

text above quote

<style>

.inner { left-margin: 1in; padding-left: .5in; color:red:}

.mySpan { color:green;"}

</style>

<div> (division of document)

Text1

<div class="inner">

TextA

</div>

<div class="inner">

Text2

</div>

TextB

</div>

Text text <span style="color:purple;">inside span</span> Text.

Fred&nbsp; Flintstone

&lt;div&gt;

(table)

<table border="1">

<thead>

<td>Left Header</td> </td> <td> Right Header</td>

</thead>

<tbody>

<tr><td> colspan=2 >Left</td> </tr>

<tr> <td>left Footer</td> <td>right</td> </tr>

</tbody>

</table>

<div style="border:1px solid red; margin:.1in.1in.1in.1in;" >

<form action="http://localhost/echo.php" method="get">

<table>

<tr><td>Name:<input type="text" name="name-field"></td><tr>

<tr><td>Address:<input type="text" name"address-field"></td></tr>

</table>

<input type="submit"

</form>

</div>

</body>

</html>