Introduction to HTML & CSS

Quick introduction about HTML & CSS

Objectives

- ☐ What is HTML?

- ☐ HTML Basic & Attributes

- ☐ CSS

- ☐ Introduction to GIT

- ☐ GIT Basic

What is HTML?

HTML is a markup language for describing web documents.

- HTML stands for **H**yper **T**ext **M**arkup **L**anguage
- HTML documents are described by HTML Tags

Small HTML Document

```html
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

HTML Page Structure

```
<html>

    <head>

        <title>Page title</title>

    </head>

    <body>

        <h1>This is a heading</h1>

        <p>This is a paragraph.</p>

        <p>This is another paragraph.</p>

    </body>

</html>
```

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HTML Basic & Attributes

- Paragraph <p **title="Welcome 2016"**></p>
- Headers <h1></h1> -
- Links <a **href="link" id="link_welcome_2016"**>
- Images

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HTML CSS

CSS stands for **C**ascading **S**tyle **S**heets

- Inline using attributes
- Internal using <style> in <head>
- External using css files

HTML CSS (inline and internal)

Inline style is considered as an Attribute

```
<h1 style="color:blue;">This is a Blue Heading</h1>
```

Internal style

```
<!DOCTYPE html>
<html>
<head>
<style>
body {background-color:lightgrey;}
h1    {color:blue;}
p     {color:green;}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

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Introduction to GIT

Version Control

- Version control systems are a category of software tools that help a software team to manage changes to source code over time. It keeps track of every modification in the code. If a mistake is made, developers can turn it back and compare the versions.

Introduction to GIT

The most widely used modern version control is GIT. Developers who have worked with GIT are well represented in the pool of available software development talent and it works well on a wide range of operating systems especially linux and different IDEs

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GIT Basic Commands

- git clone <repository_url>
- git fetch
- git branch
- git pull origin <branch_name>
- git add <files or directors paths>
- git commit -m "message describing my changes"
- git push origin <branch_name>
- git checkout <branch_name>
- git checkout -b <new_branch_name>

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Setup of PHP Environment

- Git
  - https://confluence.atlassian.com/bitbucket/set-up-git-744723531.html
- Sublime Text 3
  - https://www.sublimetext.com/3
- Xampp
  - https://www.apachefriends.org/download.html

Contact Info

https://github.com/ahmed-alaa/Web-Development-IEEE-2016

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References

- http://www.w3schools.com/html/html_intro.asp
- http://rogerdudler.github.io/git-guide/
- https://www.atlassian.com/git/tutorials/what-is-git