Lab 2 – Create a Novice Website

Purpose

- Create a novice website
- Upload your website to a Web server

Due Date

- This lab must be handed in before the due date, at the end of Week 2.
  Friday May 17, 2024 – before midnight

Assessment

- This Lab is worth 2% of your total course mark.

Assigned Readings

- ➢ **Lecture Slides** posted on Brightspace
  - Module 1 -> Part 2

- ➢ The following chapters of **Fundamentals of Web Development** will be useful in completing this exercise:
  - Chapter 2

Lab Supplies

To complete this lab you will require the following lab supplies:
- Lecture Slides (**Module 1 -> Part 2**) posted on Brightspace
- Textbook: **Fundamentals of Web Development** by Randy Connolly and Ricardo Hoar
- Notepad++/Notepad (or any other text editor, or IDE)

Summary of Tasks

1. Use the knowledge gained in 'Introduction to HTML5' under 'Course Content-> Module 1- The Web, HTML and CSS -> Part 2-Introduction to HTML5' to create a novice web page.
2. Upload your website to the webserver
3. View your webpage using a web browser
4. Submit the URL (hyperlink) of Lab 2 on Brightspace

Task 1

Use the knowledge gained from this week's lecture (Module 1 -> Part 2- Introduction to HTML5 -> Introduction to HTML5) to create a novice website.
The title of the web page will be "**ELEMENTS OF HTML5**".

Create a webpage that will contain the answers for the following questions:
- Write down three main aims of developing HTML5.
- Give an example of Inline HTML text element and why it is called so.
- What is semantic HTML markup? Why is it important?
- Give examples of <p> and <div> element.
- Give examples of <aside> and <picture> elements.
- Give examples of <figure> and <image> elements.
- Give examples of <sub> and <sup> elements.
- Give examples of <main>, <section> and <article> elements.
- Give examples of different lists elements (Unordered, Ordered, Description).
- Give examples of different anchor elements (Absolute, relative and email hyperlinks).
- Give examples of Meter and Progress elements.
- Give examples of Data list control, Slider control, Calendar control.

Name this webpage: **index.html**

Create Lab 2 submission folder '**Lab2**' and copy **index.html** into this folder**.**

Task 2

Upload your website for Lab 2 into a Web Hosting Server. You need to sign up for a free web hosting domain from 'SiteGround' Web Hosting Company.

The 'Sign Up' instruction will be posted on Brightspace (**Course Contents -> Module 1 -> Part 2 -> SiteGround_SignUp_Instruction.docx**) on May 13, 2024.

Upload '**Lab2**' folder inside the 'public_html' directory of 'SiteGround' Web Hosting domain using DashBoard.
The 'File Upload' instruction will be posted on Brightspace (**Course Contents -> Module 1 -> Part 2 -> SiteGround_FileUpload_Instruction.docx**) on May 13, 2024.

Task 3

View your website for Lab 2 using a web browser. Open a web browser and navigate to the following web address:
http://your_web-hosting_domain_name/Lab2/<filename>

For example, the arbitrary URL for Lab 2 on a web hosting domain is:

rejaulc.sgedu.site/Lab2/index.html

where '*rejaulc.sgedu.site*' is the name of the web hosting domain, '*Lab2*' is the submission folder for Lab 2, '*index.html*' is the source code for Lab 2.

Task 4

Once you have confirmed that your webpage is available online, you are ready to hand in your lab.

Create a word document (Lab2.doc) in which write the following Information:
- Student Number, First Name, Last Name
- The URL, or hyperlink, of your Lab 2

To hand in your lab go to Brightspace and navigate to Course Content → Labs.
Then click on 'Lab 2 – Create a Novice Website' link. Upload the word document (Lab2.doc) on Brightspace.

IMPORTANT NOTE:
If the URL, or hyperlink, does not direct the professor to the lab you will receive a ZERO for the lab assignment.