**ICS3U - Unit 1 Assignment-Introduction to Using Computers and Programming**

**Your name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Submitted: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Objective**: To demonstrate your knowledge of coding and computer hardware to develop the unit 1 portion of your class website.

**Details**: In the first unit of this course you learned some general coding skills as well as how computers operate. You will use these skills to create a mini-website for the content you learned in unit 1. Start by creating a **site map** of the pages and folders in the site. Hand this in by the end of class on **Fri. Feb. 17 ,2017**. Design a rough sketch of how your homepage will be look. Create another for all your other pages. There should be some consistency between pages so only one is necessary. Remember, this is a rough outline of your layout. You may deviate from it (but not too much). Make sure to follow a consistent theme between pages. Hand this in on **Tues. Feb. 21, 2017**. After this, collect all the required resources ex. Pictures, sounds, docs, ppt’s etc. and store them in an appropriate folder (should be part of your site map). Finally begin the coding process. Since this assignment is more about coding than content you may copy and paste information to your site. Just be sure to add a reference to its source (you may want to add a references page and list them all there).

**Marking Scheme:**

|  |  |  |  |
| --- | --- | --- | --- |
| Topic | Category | **Value** | Description |
| **Site Map** | KU | **5** | Does it show good foresight and planning? Are there folders to store different types of files? Was it handed in on time? |
| **Plan** | **10** | Was it neat? Were the main parts of each page labelled and clearly identified/explained? Was it handed in on time? |
| **Content** | **20** | Are the main concepts learned in the unit included? Some of these include:   1. Coding using HTML 2. Formatting code 3. Documentation 4. Computer Number Systems 5. Computer Hardware and Software 6. Binary and Analog Signals 7. Compiled and Interpreted Languages 8. Web Design using CSS 9. Programming using an instruction set |
| **Design** | C | **10** | How does the site look? Is it organized? Is there a consistent theme? Is it easy to navigate? Is it visual? |
| **Spelling and Grammar** | **10** |  |
| **Coding** | A | **10** | Is it properly formatted? Does it contain documentation? Are the four basic comments included at the top of each page? |
| **Complexity** | **10** | How challenging was the site to make? What kind of skill was required? How much help did your teacher provide? |
| **Functionality** | **10** | Do all the links work? Do all images show up? |

**Submission Instructions**: When you are done, add a section titled “**My Assignments**” to your class website homepage. Add a link and name the link “**Unit 1 Summary Website**”. Link to your assignment’s homepage. The assignment must be copied into your class website **Assignments🡪Completed** folder. Print this marks sheet out, put your name on it and hand it in when you submit your site map.

**Due Date**: **Fri. Feb. 24 2017 (by the end of class)**

2% of your mark will be deducted for each day the assignment is late. After 5 days you will be assigned a mark of zero. You must upload your class website, along with this assignment in it to your server space when it is complete. If you are working in a group, all members must have a copy of the assignment and its link on their website. Failure to do this will result in a late mark deduction of 2% per day late.