**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 technology.

**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. Log in to creately.com and use this site to design the directory tree representing your website project folder. Next develop rough sketches of how each page will look (you can use Wireframe Design). After this, collect all the required resources ex. Pictures, sounds, docs, ppt’s etc. and store them in the appropriate folders (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 and Rough Sketches** | KU | **10** | Does it show good foresight and planning? Are there folders to store different types of files? |
| **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 Unit 1 class website homepage. Add a link and name the link “**Unit 1 Summary Website**”. Link to your assignment’s homepage. You should be working on the assignment in your **Assignments/InProgress** folder. When completed the assignment must be copied into your class website **Assignments🡪Completed** folder. Print this marks sheet out, put your name(s) on it and hand it in when you submit your site map.

**Due Date**: **Friday Feb. 27, 2019 (by the end of class)**

5% 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 5% per day late for everyone. If you hand in the marking sheet but you site does not exist or can not be marked for any reason you will be deducted 7%. On the homepage of your assignment include a link to a text file (must end with the extension .txt). Copy and paste all the code from all your files into this file. I will be scanning this file for your code based marks. Every project you submit from now on must have a link to a text file with all your code. Failure to follow any of the instructions/requirements in this handout will result in a 5% deduction. Don’t forget to include links to your site map as well as your page rough sketches.