

## **ICS4U Internet Programming Assignment**

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

**Objective:** To work in a team to create web based software using HTML, PHP and CSS.

**Details:** So far we've learned to write source code using simple text editors. We reviewed HTML and expanded on it to build client side forms. We then discovered how PHP, a server side programming language, can be used to process user information submitted through these forms. The importance of formatting and documenting code was also reviewed. We also looked over key programming concepts like variable declarations, selection, loops, string functions, arrays and custom functions. In this assignment you will implement all of these concepts in the development of an online program.

### **The Program:**

Create an online quiz program. Find a way to implement all the concepts learned in this unit i.e. HTML, CSS, PHP, forms, variable declaration, selection, looping, arrays, string functions, custom functions, reading and writing files etc.

Your quiz should have a minimum of 10 questions. The style of the questions should be as varied as possible.

Some examples include:

1. A simple one word question. The user answers in a textbox.
2. A multiple choice question where the answer is picked from a group of radio buttons.
3. A question that involves a picture.
4. A true or false question.
5. A match up question.
6. Fill in the blanks question.

Make sure you fully document your code and highlight all important features using boxed asterisks. Include in your project webpage, links to the source files as text.

Make sure to include comprehensive help/screenshots so that anyone visiting your program site will understand how to use it.

## ICS4U HTML-CSS-PHP Programming Project

**Submission Instructions:** When you have completed this project upload and link it via your class website assignment page.

Also include a link via your unit 1 webpage. Each member of the group must have this (although one person can upload and the others can link to it). Test your project thoroughly prior to submission. Have a peer in your class outside your group review your project and grade each bulleted item in your marking table from 1 to 4.

Name(s):

Due Date:

Peer Evaluator:

Date Submitted:

Marking Table

Marks Deducted:

| Category | Description  | Value | Mark |
|----------|--|-------|------|
| COMM     | <ul style="list-style-type: none"><li>the form and results page are nicely formatted and have a clean, appealing GUI</li><li>CSS has been used to style all pages</li><li>there are no spelling or grammar errors</li><li>code is nicely formatted and well documented.</li><li>the 4 main comments are included at the top of every separate file</li><li>documentation is detailed and comprehensive and boxed asterisks are used to identify key programming concepts (see APP)</li></ul> | 20    |      |
| APP      | <ul style="list-style-type: none"><li>the quiz has a minimum of 10 questions</li><li>the question styles are varied</li><li>variables are declared</li><li>selection and repetition are used</li><li>arrays are used in meaningful ways</li><li>string functions are used in meaningful ways</li><li>custom functions are used in meaningful ways</li><li>reading and writing (file IO) has been implemented</li><li>a classroom peer has tested and evaluated your project</li></ul>        | 20    |      |
| TI       | <ul style="list-style-type: none"><li>how much assistance was required to complete the project versus how much you were able to solve on your own</li><li>your product reflects high level critical thinking skills in terms of the level of coding needed to produce your final product</li></ul>   | 10    |      |
| BONUS    | <ul style="list-style-type: none"><li>peer based</li></ul>   | 1     |      |