

Assignment 1 – HTML & Forms

This assignment involves the creation of some HTML pages. See below for details on the three parts.

This assignment is due on Tuesday Sept. 22, by end of class (11:15am)

General Requirements

For full marks, all your web pages and CSS code must validate correctly (<https://validator.w3.org/>) and all your formatting should be done using CSS, either inline or (in Part 2) as a separate file. You will lose marks for putting formatting directly into your HTML BODY. In particular, you should avoid using anything other than the class, id, name, value, and href attributes. ← DID YOU READ THIS PARAGRAPH?

You are encouraged to use Bootstrap formatting for all pages in this assignment. This is not a requirement, though you are expected to put significant effort into styling your pages.

You should be aware that this assignment, and all others, will be locked from your account precisely at the time of the assignment deadline.

Placement of Assignment Files

All the files you create for this assignment should be in the directory:

`/var/www/html/students/studentFolder/XXXXXX/assn1/`

Here *studentFolder* is replaced with your work folder and XXXXXX is the secret subdirectory that was created for your account. The *assn1* directory should contain a file called `index.html` that contains links to the different parts of the assignment.

[10 marks] – Internet Pioneer Biography

For the first part of the assignment, you will make a single webpage that contains a short biography about one of the Internet pioneers described in [Hobbes' Internet Timeline](http://www.zakon.org/robert/internet/timeline/) (<http://www.zakon.org/robert/internet/timeline/>). This page should have

- A photograph of the person and their last known address (or city).
- A brief biography that includes subsections on Education, Employment history and any other relevant information.
- A list of awards and/or distinctions earned by this person.
- A list of this person's contributions to the development of the Internet.
- A list of relevant references, including any papers, or books authored by this person that are relevant to the discussion. If possible, this should include links to online materials.

Each of the above items should be a level-1 heading and there should be a navigation bar that allows you to jump from the top of the page to any of these sections. All of this should be implemented in HTML/CSS without using tables. The design, layout and color scheme of the page is left up to you, but you should apply all the CRAP principles and choose a good color scheme (the browser default is fine).

For this part of this assignment, I do not care if you plagiarize portions of text from online sources. However, in the references section you must state clearly where the material comes from and provide links to the original sources.

[10 marks] – Sherlock Holmes

For the second part of the assignment, you will make a web site out of the book

The Adventures of Sherlock Holmes

(<https://dev.emmell.org/emmell/ics4u/advsh12.txt>)

- The book is divided into 12 adventures. Each adventure should become its own web page (file).
- At the top of each adventure (webpage) and at the bottom of each adventure you will place a menu for jumping to any of the other adventures. This menu will also have an item entitled "about" (see item (d), below).
- Each adventure has several chapters Each chapter number should be a first level heading.
- The design, layout and color scheme of the pages is left up to you, but you should apply all the CRAP principles. (look these up!)

Like a lot of web site projects, this part of the assignment involves a lot of tedious work. There is no reason you can not use your text editor and command-line tools to help do this work for you. Use this part of the assignment to get yourself acquainted with working in this environment. If you really can't stand working in this environment, make your pages locally and use filezilla to copy them to your account on the server.

[10 marks] – Skydiver's Logbook Form

For this part of the assignment you will build an HTML form that contains all the information available on a page of a skydiver's log book.

- Jump number (jumpnum) is a text field in which the user enters a number
- Date (date) is a date field in which the user selects a date
- Time (time) is a text field in which the user enters a time
- Dropzone (dropzone) is a text field in which the user enters a location
- Aircraft (aircraft) is a text field in which the user enters the type of aircraft
- Exit Altitude (exitalt) is a number field in which the user enters their exit altitude in meters
- Deploy Altitude (deployalt)
 - a number field in which the user enters their deploy (open parachute) altitude in meters
- Freefall time - minutes (ffminutes)
 - a drop down menu from which the user can select a number between 0 and 5
- Freefall time - seconds (ffseconds)
 - a drop down menu from which the user can select a number between 0 and 59
- Manoeuvres (manoeuvres) is a text field in which the user enters any manoeuvres performed during the dive
- Other jumpers (otherjumpers) is a text field in which the user can enter names of other jumpers
- Comments (comments) is a text area in which the user can enter freeform comments
- Signature (signature) is a text field in which the user can enter the name of an instructor

The layout of the form is up to you. However, your design should adhere to the CRAP principles. In particular, make careful use of proximity and spacing so that related parts of the form are close together. If it helps, you may use Bootstrap's grid for this.

How can I test my form?

If you set your form tag like this:

```
<form method="POST" action="/emmell/ics4u/assn1/formTest.php">
```

You will receive helpful feedback on whether your form has the correct names/types of information.