Introduction to Web Technology
Spring Session 2020

Assignment 1 (10%) due on **Saturday 22 August 2020 at 7:00pm**

Important notices:
Penalties apply to all late work, except if student academic consideration has been granted. Penalties for late submission of assessment items are specified in the subject outline.

If you need an extension, please apply for an Academic Consideration through SOLS on or before the assignment due date.

Plagiarism is treated seriously. If we suspect any work is copied, all students involved are likely to receive zero for the entire assignment.

Submission instructions:
Create a folder to store all your code and images.
Compress your folder into A1.zip and submit it via the Assignment 1 Submission on Moodle.

Assignment specification:
Develop a single web page that contains all solutions to the assignment questions.
Put your name and student number as a heading on top of the web page.
Separate each question by a horizontal line.
Each question must be labelled clearly with a heading.

Question 1 - HTML (2 points).
In the Group Stage of the 2014 FIFA World Cup, there are 32 teams. These teams are divided into 8 groups where each group consists of 4 teams. The grouping information can be found on this website https://en.wikipedia.org/wiki/2014_FIFA_World_Cup, for example, Group A consists of Brazil, Mexico, Croatia and Cameroon. Your task is to display this grouping information in a table with the following specification:

- The code must use **plain HTML** and no CSS;
- The table must have a visible border;
- The table must have 2 columns with headings: Group, Teams;
- On each row, the first column contains the group name (such as Group A), the second column contains an unordered list with 4 teams;

Question 2 - Inline CSS (2 points).

Copy the code of Question 1 to Question 2, and modify it to add inline CSS. You must use **inline CSS** and the following CSS properties:

- font-size
- color
- background-color
- padding
- text-align
- vertical-align
- border-collapse: set to **separate**
- border-spacing
- border-bottom-style, border-left-style, border-right-style, border-top-style
- border-bottom-color, border-left-color, border-right-color, border-top-color
- border-bottom-width, border-left-width, border-right-width, border-top-width.

Question 3 - HTML (2 points).

In a chess game, there are 6 types of chess pieces: King, Queen, Rook, Bishop, Knight and Pawn (this information can be found on this website https://en.wikipedia.org/wiki/Chess_piece). Your task is to display the chess piece information in a table with the following specification:

- The code must use **plain HTML** and no CSS;
- The table must have a visible border;
- The table must have 3 columns with headings: Name, Image, Chess Rule;
- On each row:
    - the 1st column contains the chess piece name;
    - the 2nd column contains 2 pictures, one is a black chess piece and one is a white chess piece; **character entities** must be used to display the pictures (character entities code can be found here: https://en.wikipedia.org/wiki/Chess_symbols_in_Unicode
    - The 3rd column contains a short simple rule of the chess piece.

Question 4 - Document CSS (2 points).

Copy the code of Question 3 to Question 4, and modify it to add document CSS. You must use **document CSS** and the following CSS properties:

- font-size
- color
- background-color
- padding
- text-align
- vertical-align
- border-collapse: set to **collapse**
- border-style, border-color and border-width.

Question 5 - HTML & CSS (2 points).

Your task is to display information about 10 kinds of vegetables of your choice in a table with the following specification:

- The code must use HTML and some CSS of your choice;
- The table must have 2 columns with headings: Name, Health benefit;
- On each row:
    - the 1st column contains the **name** of the vegetable, underneath the name display an **image** of the vegetable; use the width attribute to set the same width for all the vegetable images;
    - the 2nd column contains: **health benefits** of the vegetable, underneath that display a **link** to a webpage that contains information about this vegetable (such as wiki page).

(**Remark**: Since this is a programming subject, in the Health Benefit part, you can pretend to be a nutritionist and give a serious scientific answer; or you can use your imagination and give a humorous answer :-) it is up to you. In the vegetable image part, you can either use a real image, or you can draw a funny picture of the vegetable.)

END OF THE ASSIGNMENT