

Individual Assignment #2

Due: Week of October 14th, 2019

Instructions: Perform all of the requested tasks given below.

Description: You are required to design a website that allows teachers at the CP Ellingham High School to login and once authenticated, he/she is allowed to input a student's grades into a webpage. All teachers will use the same login details. However, he/she will enter details relevant to their students.

Criteria:

- Create a HTML page called **index.html**. There is to be a form on this web page with the following fields for entering login details for accessing the website: username and password.

Functionality: [45 marks]

- The correct username and password are hardcoded inside the html code and is used to authenticate the user at login. All teachers use the same login details. [5 marks]
- If the username and password that is entered by the user matches the system version the user is taken directly to the **reportcard.html** page on login. [5 marks]
- The **reportcard.html** page is to be designed as a form so that:
 - ~ **Test #1, Test #2, and Final grades** are entered by the user. Grade must be from 0 – 100 percent. Display an error if grade is entered outside of the range. [5 marks]
 - ~ The webpage determines the letter grade by averaging the grades for each subject and then using the grade scheme to determine the letter. [12 marks]
 - ~ The user is required to enter all the data except Grade Scale and the Page Headings. These are hardcoded inside the html file. [4 marks]
- Buttons
 - ~ Cancel – clears the data on the form. [2 marks]
 - ~ Save – shows an alert that says ‘Saving file for “Student Name – id#”’. [3 marks]
 - ~ Email – should open an email client with the following data: [4 marks]
 - a. Recipient – i.e. parent email address

- b. Cc – info@cpe.edu.ag
 - c. Subject – “Report Card is ready”
 - d. Body – “Please see attachment.” *Note: there is no actual attachment.
- ~ Exit – should disable all fields and buttons. The user has to log in to regain access.

[5 marks]

Design: [31 marks]

- ~ Use appropriate field types according to the data being accepted. [5 marks]
- ~ The overall look and feel of the website must clean, simple, and user friendly. Make use of the Box Layout model. Forms – Neat (alignment, spacing layout, and user friendly, etc.), use of best practice principles for form elements (e.g. button/submit, input etc.).

[14 marks]

- ~ All validation must be done via HTML tag attributes. All data is mandatory.

[7 marks]

- ~ Website must also be mobile friendly.

[5 marks]

Implementation: [17 marks]

- ~ Advisor field is a dropdown list with 5 teacher names. [3 marks]
- ~ CSS3 – Use of class and id selectors, elements, attributes and values, and CCS3 styles (inline, internal, and external). [7 marks]
- ~ JavaScript - At least three (3) user-defined functions and one (1) library function.

[7 marks]

Submission

You are required to submit a zipped folder called **Assignment2+YOURID#** which will contain

- a) Storyboard and sitemap [7 marks]
- b) sub folders (CSS, JavaScript, html, images) with the finalized document