

Assignment 1



Assignment Aim

The purpose of this assignment is to assess your understanding of Web Forms and the use of JavaScript and JQuery structures

Description

Part A – Web Form

You are to generate a web form that will invite the user to enter in their name and email address. The browser should require all the form elements to be filled in and also meet the following requirements.

1. The name field should accept a maximum of 35 characters.
2. The email address should be entered in the correct format (e.g. jbloggs@wit.ie)
3. When the user clicks on the **Start Quiz** button, the quiz page should be opened.
4. Apply Bootstrap 4 to the form and form elements which will aid in the presentation of the form

You can use a mixture of HTML5 validation methods and JavaScript/ JQuery to ensure the web form is filled in correctly and to inject interactivity into the form.

Part B – JavaScript Quiz code

When the JavaScript Quiz page opens it should present the person with the first question to answer via a prompt box

To Do

1. Ask a minimum of five questions
 - a. Use prompt boxes to ask the user each question. Check each answer given against the correct answer.
2. Keep track of the number of questions the user answered correctly
3. Provide a final message after the quiz letting the user know the number of questions he or she got right.
i.e. Congratulations **Joe** , You got 5 out 5 questions Correct

4. Rank the player. If the player answered all five correctly, give that player the gold crown: if they answered between 3-4 questions correctly they get a silver crown; 1-2 correct answers is a bronze crown and 0 correct is no crown at all.

You can change the design (CSS and HTML) as you wish as long as the main functionality of the program remains the same.

You have been given the bare bones of both the Web form and the JavaScript Quiz webpage. Your JavaScript should be written in an external js file called quiz.js. Insert the relevant JavaScript into this file in order to run the quiz.

Make use of JavaScript / JQuery functions, events etc...