
Sample Assignment: Unit 14 Developing and Creating Websites

ASSIGNMENT 1: VICTORIAN ENGINEERING

This assignment will allow you to meet all of the assessment requirements for Unit 14: Developing and Creating Websites. You should look at the Assessment Evidence Grid to check what you need to demonstrate in each task to achieve each mark band.

Introduction

You have recently joined a historical society. One of the aims of the society is to raise the awareness of people in general about the great engineering achievements of the Victorian era. As a skilled user of ICT, you have volunteered to create a website about the work of Isambard Kingdom Brunel. You have spoken to other people about Brunel's work and have chosen to concentrate on the Clifton Suspension Bridge in Bristol and the Royal Albert Bridge, which spans the River Tamar between Plymouth and Saltash.

Another member of the historical society has already taken digital photographs and video clips of both of these achievements for the project and has written some notes to go with them.

Specifics

- Produce a report critically evaluating the design and structure of at least two existing websites. Your report should make it clear how each website has provided you with ideas for what to include, and what not to include, in your own website.
- Produce an initial design for a website of at least three pages together with detailed plans for publishing the website. The initial designs should include diagrams showing the planned structure of the web site, a storyboard, an index of pages and files to be used in the site as well as a task list or action plan for completing the site. To achieve the higher mark bands, your site should have a hierarchical or mesh structure. Your plans for publishing the site should include details of the domain name and home page location. You should try to explain the decisions you have made, such as your choice of font style, graphics, colour and the hyperlinks you plan to use. You should also try to explain your choice of domain name and home page location and give alternatives options.
- Use your initiative and skills to combine graphics, hyperlinks, multimedia and interactive features to produce a web site of at least three pages that is suitable for the general public and that will raise awareness of the achievements of Isambard Kingdom Brunel. You should try to edit the script commands to change page layout. You could also add script commands for at least two extra components such as a graphic, table or hyperlink.

- The historical society would like you to write some guidance on the structure of the website that you produce so that others could create a website of a similar standard in the future. They would like clearly labelled WYSIWYG printouts of your website which identify the design techniques, hyperlinks, multimedia and interactive features you have used and explaining these techniques and features. They would also like a print out of the HTML script used. You should annotate this to explain at least three different script commands and to identify where you edited script commands to change the page layout and where you added script commands for extra components.
- Produce a detailed test plan and carry out thorough testing of your website in line with your test plan to ensure that the website meets the initial design specifications and is functional. You may need to revise your website as a result of these tests.
- Produce a well written, detailed and critical evaluation of your website for the historical society. This report should be in two parts:
 - (i) The first part is an evaluation of the website you have produced. This evaluation should consider how well your website meets the needs of the users and how effective the software tools you used were. You should also explain why you included the features you did and discuss the strengths and weaknesses of those features. In order to assess the strength of these features, you should canvass the opinion of visitors to your website and use their comments to inform your opinion. You should also suggest and justify possible improvements you could make.
 - (ii) The second part of your report should be a critical analysis of how you produced the website. You should discuss your approach to designing, implementing and testing your website, identifying the strengths and weaknesses of your performance. This discussion should then be used to explain how you would change your approach to a similar project in the future.

The report should be in standard English with few, if any, spelling, punctuation and grammar errors.