



**Unit:
Designing and Developing a Website**

Assignment title:

MardiDrama Club

Summer 2019

Important notes

- Please refer to the *Assignment Presentation Requirements* for advice on how to set out your assignment. These can be found on the NCC Education website. Click on 'Policies & Advice' on the main menu and then click on 'Student Support'.
- You must read the NCC Education documents *What is Academic Misconduct? Guidance for Candidates* and *Avoiding Plagiarism and Collusion: Guidance for Candidates* and ensure that you acknowledge all the sources that you use in your work. These documents are available on the NCC Education website. Click on 'Policies & Advice' on the main menu and then click on 'Student Support'.
- You **must** complete the *Statement and Confirmation of Own Work*. The form is available on the NCC Education website. Click on 'Policies & Advice' on the main menu and then click on 'Student Support'.
- Please make a note of the recommended word count. You could lose marks if you write 10% more or less than this.
- You must submit a paper copy and digital copy (on disk or similarly acceptable medium). Media containing viruses, or media that cannot be run directly, will result in a fail grade being awarded for this assessment.
- All electronic media will be checked for plagiarism.

Introduction

MardiDrama Club is a fun after school and weekend club that is open to children between the ages of 5-16. It offers a fun programme but also teaches children some of the fundamentals about speaking and helping them develop confidence.

Scenario

MardiDrama Club have approached you and asked you to develop a new website for them. Although they currently won't be taking any payments online, they hope to develop this later in the year. They need you to create a website which will allow parents to find out about the different drama classes that are available and to register for these. The website should be visual and should be viewable on different devices.

MardiDrama have the following basic requirements for the contents of the website:

- **Home Page:** This page will advertise the different classes (Musical Theatre, After School, Holiday Programmes) and should have three image links to these classes. Relevant social media buttons and search bar should be included on a clean looking home page which includes interactive elements which grabs the attention of the visitor.
- **Blog:** This page will provide up to date information about events and classes happening in the Drama Club.
- **Register:** This page will allow parents to register their child for one of the classes. Registration will be via email following the completion of an online form.
- **About:** This page should give parents an overview of the different classes and the club which started in 2001. It should have space for information about the teacher and links back to the contact page and blog.
- **Where:** This page should include an interactive map of the club's location in Taunton.
- **Classes:** This page should provide videos and information about the different classes including payment information (£15.00 or equivalent per hour).
- **Events:** This page provides a list of the events that take place in the drama club such as Nativity, Summer Play or guest appearances from well-known stars from the industry.

At the initial stage of the development process, you are required to make an HTML/CSS prototype of the website that will clearly show MardiDrama Club how the final website could work.

Content hasn't been provided. Suitable content can be found on the web e.g. images of drama clubs. Use creative commons (<https://ccsearch.creativecommons.org/>) or Wikimedia Commons (http://commons.wikimedia.org/wiki/Main_Page) as a starting point to find content. Remember the content you include in your site must be licensed for re-use. Do not spend excessive amounts of time researching and gathering content. The purpose is to provide a clear indication of how the final website could look and function. The client would provide the actual content at a later point if they are happy with the website you have proposed.

Task 1 – HTML (25 Marks)

The website must be developed using XHTML 1.0 Strict or HTML 5 and feature a minimum of SEVEN (7) interlinked pages which can be viewed also on a mobile device. The website must feature the content described above and meet the following criteria:

- Feature between 7 and 10 HTML pages.
- Have a lightblue background colour.
- Be usable in at least TWO (2) different web browsers including a mobile device. You should consult your tutor for guidance on the specific browsers and versions you should use.
- Be viewable on monitors with screen resolutions of 1024x768 without users having to scroll horizontally.
- Integrate and use a range of media appropriately.
- Embed functional multimedia components in your site.
- Demonstrate a good application of web design principles and be easy to navigate and use and really captures the attention of the parents.

Task 2 – CSS (25 Marks)

Create external CSS file that specifies the design for the website. Each of the HTML pages must link to this CSS file. There should be no use of the style attribute or the <style> element in the website.

The boxes on the home page should include relevant elements such as border radius, box-shadow, hover etc.

Include CSS animation-timing for at least one of the elements on the home page.

Add in a media rule which changes the background colour from lightblue to white when the browser window is 600px wide or less.

Task 3 – Test the Website and Write a Test Report (20 Marks)

You must use the W3C validation service (<http://validator.w3.org/>) to check your HTML and CSS code. You should attempt to remove as many non-compliant features as possible. Make sure 'show source' is selected and save the output from this tool.

Test the website using at least TWO (2) different web browsers. Record any significant differences between the rendering of the two browsers and attempt to diagnose the cause. You do **NOT** need to modify your code to correct any differences between browsers. Please consult your tutor for advice on the specific browsers you should use for testing.

Write a short report describing your testing. Provide a description of any outstanding problems and recommendations for fixing them and include a clear description of the differences between the browsers and the reasons for these. Add in a description of how the site works on a mobile device and the reasons for these.

The written part of your report should not exceed 500 words.

Task 4 – Critical Evaluation (30 Marks)

You are required to write a short report (500 words) analysing the website you have submitted.

You should:

- Evaluate and demonstrate an understanding of accessibility issues
- Evaluate the effectiveness of the CSS and what improvements you feel should be made to this file now you have completed it
- Explain the advantages and disadvantages of using various types of multimedia file formats
- Explain the advantages and disadvantages of different types of multimedia elements in relation to different contexts
- Recommend improvements for further development of the website.

This analysis must include a discussion of the accessibility of the website and the ways in which the website has been designed to support mobile users.

Additional Information for Clarification

Consult with your tutor/lecturer if you are uncertain about any aspects of the assignment. The website must be developed using XHTML 1.0 Strict or HTML 5 and CSS. No other technologies should be used. You do not need to write any computer programs for this assignment.

The purpose of this assignment is to show abilities in web design. Although you should be wary of needlessly adding features, websites that demonstrate a range of HTML features used appropriately have the potential to gain higher marks. For example, a form that features a range of different form elements applied in a useful and relevant way would generally score a higher mark than a simple form that only uses text boxes to gather data.

Submission guidelines

- A word-processed, printed document containing all the written components of the assignment (Tasks 3 and 4), signed and dated by your tutor/lecturer.
- A copy of all the word-processed material (Tasks 3 and 4) together with the website (Tasks 1 and 2) on appropriate media (CD, USB flash drive, etc.). Ensure that the web pages can be viewed directly from the submitted media. Do not submit any server-side code; it is not required for this assignment.

Candidate checklist

Please use the following checklist to ensure that your work is ready for submission.

Have you read the NCC Education documents *What is Academic Misconduct? Guidance for Candidates* and *Avoiding Plagiarism and Collusion: Guidance for Candidates* and ensured that you have acknowledged all the sources that you have used in your work?

Have you completed the *Statement and Confirmation of Own Work* form and attached it to your assignment? **You must do this.**

Have you ensured that your work has not gone over or under the recommended word count by more than 10%?

Have you ensured that your work does not contain viruses and can be run directly?