



## Unit: Designing and Developing a Website

### Assignment title: Vintage Rally

Spring – Winter 2022

#### 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. Hover over 'About Us' on the main menu and then navigate to 'Policies and Procedures' then scroll to the 'Student Support' area.
- You **must** read the NCC Education document *Academic Misconduct Policy* and ensure that you acknowledge all the sources that you use in your work. These documents are available on the NCC Education website. Hover over 'About Us' on the main menu and then navigate to 'Policies and Procedures' then scroll to the 'Student Support' area.
- You **must** complete the *Statement and Confirmation of Own Work*. The form is available on the NCC Education website. Hover over 'About Us' on the main menu and then navigate to 'Policies and Procedures' then scroll to the 'Student Support' area.
- 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

You have been asked to help develop a new website for a vintage car rally. The rally will take place across five countries of your choice. The website will allow interested spectators to find out details about the rally, have regular updates about what is happening and to buy tickets to the event. The website currently doesn't take payments and bookings online; they hope to do this in the future. The website should be visual and should be compatible on different devices.

## Scenario

The Vintage Rally Club have the following basic requirements for the contents of the website:

- **Home Page:**
  - This page will introduce visitors to the Vintage Rally Club, it should include relevant images of the different vintage cars that will take part in the rally.
  - The text should be minimal, visuals should be used to break up the written content.
  - This page should include a navigation bar (with links inside the bar and hover over tabs), slide show, header, sections, footer.
  - Modal popup window that is displayed on top of the current page.
- **Contact Us:** This page will allow spectators to contact the vintage car rally club - it should be a responsive contact section including first name, last name, country and submit button.
- **About Us:** This page should give customers an overview of who the Vintage Car company are and what they do. This should be a responsive page that resizes.
- **Q&A:** This page should include a forum where the registered members can ask questions including an animated search button.
- **Register Online:** This page should provide an overview of the three different stages of the rally and the countries and an online booking form. This will initially be through email and should be designed to include accessibility features to complete the form.
- **Our drivers:** This page provides a list of the current drivers including a responsive image grid overlaid with transparent text.
- Ensure you embed at least THREE (3) different multimedia components in the website.

At the initial stage of the development process, you are required to make a HTML/CSS prototype of the website that will clearly show the vintage car club how the final website could work.

Content hasn't been provided. Familiarise yourself with possible types of content by choosing an appropriate organisation (by using web resources) to help you understand the context in which the club operates. However, do not limit yourself to web-based sources of information. You should also use academic, industry and other sources. Suitable content for your *prototype* can be found on the web e.g. images. Use creative commons (<http://search.creativecommons.org/>) or Wikimedia Commons ([http://commons.wikimedia.org/wiki/Main\\_Page](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.

**Students must not use templates that they have not designed or created in the website assessment.** This includes website building applications, free HTML5 website templates, or any software that is available to them to help with the assessment. Students must create their own HTML pages including css files and ideally, they will do this through using notepad or similar text editor.

## Task 1 – 25 Marks

### HTML

The website must be developed using HTML 5 **and** feature a minimum of SIX (6) interlinked pages which can also be viewed on a mobile device. The website must feature the content described above **and** meet the following criteria:

- Researched relevant content to inform the design of the website
- Be usable in at least TWO (2) different web browsers including being optimised for mobile devices. You should consult your tutor for guidance on the specific browsers and versions you should use.
- Include relevant images of vintage cars you have selected from your research
- Home Page:
  - Minimal text with visuals to break up the written content.
  - Navigation bar (with links inside the bar and hover over tabs)
  - Slide show
  - Header
  - Sections
  - Footer (including social media links)
- Contact us page with responsive contact section including first name, last name, country and submit button (through email)
- About us page with responsive resize design
- Q&A page including forum for registered members and animated search button
- Registration form to be submitted through email
- Drivers page including responsive image grid overlaid with transparent text

## Task 2 – 25 Marks

### CSS

Create an 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 on-page animated text search to allow users to find content in the page.

### **Task 3 – 15 Marks**

#### **Test the website and write a test report**

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.

You must also test your website for accessibility using a relevant screen reader **and** note the findings from the testing. You should also describe how the site works for disabled users.

You must test your website on TWO (2) browsers and give a description of differences between the browsers and the reasons for these.

Investigate the test discrepancies and identify and rectify their causes. Produce a summary outlining what you have found supported with screen shots to show the amendments you have made.

Write a short report assessing the suitability of your testing. Provide an evaluation of any outstanding problems and recommendations for how these could be fixed. Explain the role of the W3C.

The written part of your report should not exceed FIVE HUNDRED (500) words.

### **Task 4 – 35 Marks**

#### **Critical evaluation**

Write a report of FIVE HUNDRED (500) words analysing the website you have submitted:

1. Discuss and evaluate the suitability of at least TWO (2) accessibility features you have included in the website.
2. Explain the embedded functional multimedia components you have added to your HTML site.
3. Discuss how the Internet and Web can be used for the Vintage Rally Club as a business tool including a tool for communication, research, sales and marketing.
4. Recommend improvements for further development of the website.

## Guidance

Consult with your tutor if you are uncertain about any aspect of this assignment.

## Submission requirements

- 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.
- The word count for your report is **1000 words**.

## Candidate checklist

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

Have you read the NCC Education document *Academic Misconduct Policy* 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? ☐