

Web Development

CS1031 Continuous Assessment 1 2021



This assessment is worth 30% of your total mark for Web Programming and you should work on it both in your own time and during designated practicals.

Introduction

The Client:

Your home town's tourist association.

Your home town's tourist association would like you to design a small static web site to help bring visitors to the area. To achieve this, they have employed you to design and build a new website.

They are looking for a fresh modern design that tells people about your home town, and lists 'must do' things for visitors.

Requirements:

- A home page with information about the town
- A history page telling a bit about the town
- A visit page detailing place to visit, and essential experiences

Section A – Graphics and HTML (Up to 8 marks)

Task 1:

Within the design, the client has requested a large eye-catching banner. This banner should name the town, its founding date, and its' motto, or other suitable slogan.

Task 2:

Use the Color Picker in an image editor such as Gimp to get the colours of individual sections and lines for CSS background images and borders.

Task 3:

Create all the necessary pages (as required by the client) following the same design. **Note:** Your pages must validate.

Task 4:

Create a navigation bar for each of the pages you have created.

Task 5:

The customer requires you to come up with a creative description of the town, its' history, and essential experiences. You should use paragraphs, headings and lists as necessary. You are encouraged to find images to support the description (ensure images comply with license conditions and are correctly referenced), and add links to external webpages as appropriate.

Section B – Git (Up to 2 marks)

Task 6:

The tourist association will monitor your Git commits to the repository in order to watch your progress. Ensure your Git commit messages are descriptive. **Note:** Include the commit log in your final submission.

Section C – Map (Up to 2 marks)

Task 7:

The home page (index.html) should include a static map showing the town's location for context to visitors. You should use a relevant one from Open Street Map https://wiki.openstreetmap.org/wiki/Using_OpenStreetMap

Section D – Bootstrap (Up to 3 marks)

Task 8:

Edit the structure of essential.html (the essential experiences page) so that the page has 2 columns. The ratio between the left content area and right content area should be 7:5.

Add a widget (e.g. tabs, collapse) from the Bootstrap library to essential.html in the right column to display information about at least two of the experiences. Each profile must display an image, a title or name, and a short description.

Note: the text from Task 5 should now be in the left column.

Section E – Responsive Design (Up to 4 marks)

Task 9:

The client would like the site to look good on mobile and tablet devices. Update your design to use the responsive features of Bootstrap on all pages, including

- Images
- Project table

- Menu / navigation bar
- Columns on the essential experiences page

Please note: Using other features from lectures and practicals such as improving the design, using advanced CSS will be awarded.

Section F – Design Report (Up to 3 marks)

Task 10:

The client would like a report on your design decisions for the site. Include a readme.md file in your Git repository that covers these topics:

- Why you designed it like this (navigation, layout, colour choices)
- What challenges you faced
- Your name and student ID