CIT Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

Web Development Assessment 2: Project

Create a website for an **Environmentally Friendly Campaign.**

The purpose of this website is to introduce and educate people on ways to be more environmentally friendly and bring awareness of small steps they can take or things they can do to help the environment. As part of the website there will be a competition for users with the best idea to reduce, reuse or recycle.

As this is a huge topic, here are some suggestions for where you can go with it:

- Recycling campaign in the community
- Repurposing clothing or other items (e.g. household, electrical, etc.)
- Reducing waste (can be specific in this area if you want e.g. food, electricity, water)
- Reducing the amount of plastic used in everyday life.

The website should consist of:

- **Homepage**
  - Welcome visitor and introduce visitor to the website
  - Include an embedded video from YouTube or Vimeo
- **A Resources page**
  - Events information
    - use a table to organise this content
  - Links to related websites
- **A competition page (Form)** – *to include:*
  - Name (first name and last name)
  - County
  - Date of birth (use drop down lists)
    - Note: the years need only account for people from 17 upwards.
  - Email address
  - Choice of category – reduce, reuse, recycle
  - Multiline text box for user to enter the details about their competition entry
  - Upload picture
    - Name your picture
  - Submit and Cancel buttons
  - Use https://webdevcit.com/displayvalues.php to verify that your form sends the data from the form to the server
- **Contact Us Page**
  - Address, phone number and email to some imagined office
  - Map (embedded from Google Maps, make up the address)
  - **Twitter** feed to a relevant Twitter account
- **About Us Page**
  - Information about the website.
  - List of Frequently Asked Questions (at least 3 questions should appear here).

Requirements

1. All content must be marked up using HTML5.
2. All text must be your own.
3. All the styling should be in **ONE** external CSS file[1]. All your HTML pages must be linked to this **CSS** file. **No inline** or **embedded styling permitted.**
4. Addressing to resources (CSS file, images and other web pages) must use relative addressing[2].
5. Use CSS for the layout of the site. Tables may not be used for layout but may be used for suitable content.
6. Consider using a suitable colour palette for a young audience.
7. Pages must be **HTML5** and **CSS3 compliant**. Validate your pages and CSS files with http://validator.w3.org and https://jigsaw.w3.org/css-validator
8. **You must have at least 1 page with a three column CSS layout.** Instead of three columns of text, consider using images in your three column layout e.g.
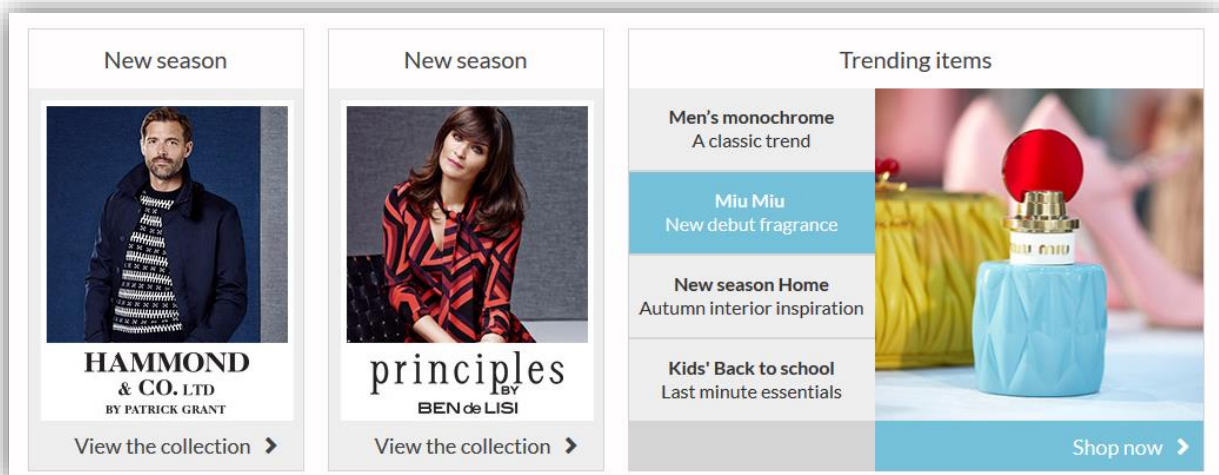

Figure 1 Three column layout as part of Debenhams.ie's homepage (unequal distribution)

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[1] Heavy penalties will be applied for presentational markup e.g. <h1>Heading</h1>, in which the <b> is being used to style the heading but CSS should have been used.

[2] **No absolute addressing allowed**, e.g. h:/r000012345/webdev/project/images/cow.png **is not allowed**.
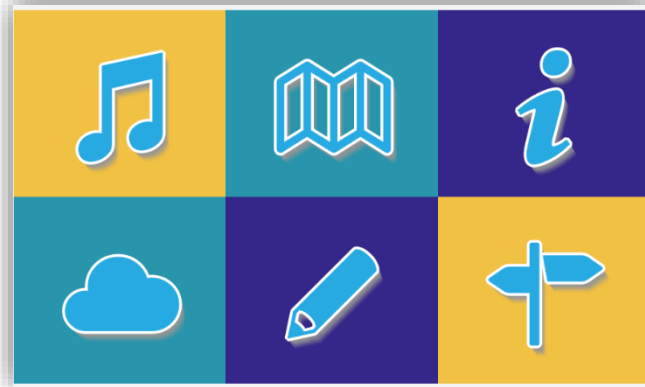
Figure 3 Two rows of three columns used for navigation with even distribution

9. There should be **persistent navigation** on each page. Every page should be accessible from every other page. **Navigation should be a horizontal navigation bar**.

10. Every page should contain a "**housekeeping**" section e.g. contains copyright information and contact details for the website's developers.

11. You should demonstrate use of **contextual selectors** and **pseudo-classes**.

12. Consider **responsiveness** in your website, making it work on different screens and screen resolutions.

13. Try to include images that you have taken yourself. Any images that you use from other websites must be referenced properly. The referencing can be included in the code as a comment beside the image code. Please note that using google.com as the source of the image is **NOT** sufficient. The exact web page URL for the image must be included in the comments.

14. If you are looking for icons, please refer to reliable websites such as http://iconspedia.com paying particular attention to the licenses. For example, if the license requires attribution for the icon, then please include it in your website. Do not use Google's Image Search to search for icons because you cannot be sure of the associated licenses.

15. Consider **accessibility** especially when creating the website paying particular attention to forms (connect labels to form elements OR use aria-label attribute, and other ARIA attributes). Validate the webpages using the validation tool at http://wave.webaim.org/.

Project due @ 23:59 Monday 25th November 2019

Create a zip file of the folder containing your HTML pages, CSS file, and all images required for your website, and upload it through Canvas.