

CS 2033

Multimedia and Communications II

## Assignment 2

Island Webpage

## Overview

You were cruising the open waters on your yacht on a bright, sunny day when you came across an isolated island. You brought the boat to the shore on the island and stepped out to begin exploring. It becomes obvious that nobody else inhabited the island nor knew about its existence! Not even Google Maps knew about it.

This island is now yours. You settle here and declare it as a brand new nation with you as the President (or Prime Minister, King, Queen, or whatever term you wish to use). You're in control of this country!

Now, flash forward 30 years to 2051. You are still the head of this nation and it has grown to 10 million inhabitants. The country is booming and everyone loves their country's leader – you!

Create a website (obviously websites will still be a thing in 2051) to provide information and images about your nation so others can learn about it and consider travelling there for a vacation (let's assume COVID-related lockdowns have lifted at some point before 2051).

## Overall Requirements

- Must be a single, scrolling page format rather than separate, short pages.
- You must write your own HTML, CSS, and JavaScript code (No online templates or themes, no BlueGriffon or Kompozer, html5-editor, etc.)
- Download *blocks.css* from <https://www.csd.uwo.ca/courses/CS2033b/asst2/> to use for the layout of your website. Do not edit or add styles in this file. Create additional stylesheet(s) for your custom CSS. Your custom styles must be in your own CSS files, not added in blocks.css.
  - Use **all** 4 different block sizes (i1, i2, i3, and i4) which are provided to you in blocks.css. To use them, create an element (like a div) and give it the class "ib" as well as one of the numbered block sizes, i.e.  
`<div class="ib i3">Content here</div>`

- Create a wrapper div to hold all the content of the entire page. This wrapper class is provided to you in blocks.css.
  - Remember: do not edit blocks.css!
- You must use web-safe fonts and/or Google Fonts only. At least one web-safe font is required **and** at least one Google Font is required. They can be anywhere you want to use them but you must have at least one of each type, and ALL fonts you use must be either web-safe or a Google Font.
- Only use your own photos or copyright-free pictures from online. See the References section below for more details (same policy as Assignment 1).
- Keep track of the URLs of any images you take from these sites so that you can easily reference them without having to re-find them later.
- Each section of the page must be contained within a <section> element.
- Your webpage must have the following 5 sections:
  - Top
  - About
  - Culture
  - Gallery
  - References

## Content Requirements

It is up to your imagination and creativity to make up the information and relevant images about your country and the people who live there.

- Name of country
- Flag of country
  - Design and create a flag that is 400 pixels across by 300 pixels down
  - It must be new and unique (i.e. don't take an existing country's flag)
  - The flag must contain at least 3 different colours
  - You will have to upload the .afphoto and the .jpg of the flag. If you wish to use Photoshop, it is your responsibility to convert the .psd file to .afphoto to upload.
- Background information

- Where is the island located? In the middle of the Pacific Ocean? A mile from Antarctica?
- Come up with a brief history of the country's existence from the initial discovery by you on your yacht to its booming status in 2051 (3-4 sentences is sufficient).
- Industries
  - What are the 3 main industries in the country?
  - i.e. tourism, oil, textile, automotive, financial, etc.
- Exports
  - What are the 3 main products being exported from this country?
  - i.e. vehicles, coffee beans, computers, wood, clothing, etc.
- Transportation
  - What modes of transportation are available in this country?
- Culture
  - What are 3 of the most popular dishes eaten in the country?
  - What are 3 of the common activities/pastimes/events in the country?

## Section Requirements

- Top
  - Create a banner that is 1200 pixels wide (height is up to you) which includes the country's flag (create the flag separately and then bring the exported JPG into this banner) and the country's name. You may optionally add photos or other design elements in the banner.
  - Include navigational links that point to each of the other sections on the page. Since it is a single page format, these must be bookmark links (see the Link Hints section below for help with this).
- About
  - Provide information about the country including its geographical location and a brief history of its existence.
  - Explain the 3 main industries of the country.
  - Explain the 3 main exported products from the country.
  - Explain the modes of transportation in the country.
- Culture

- Explain the 3 most popular dishes in the country and a brief description of what they are (or the ingredients to make them).
- Include a photo of at least one of the dishes.
- Explain the 3 common activities/pastimes/events in the country.
- Gallery
  - Provide at least 6 photos that represent the country (i.e. beaches, hiking trails, skylines, events, etc.)
  - Note: the photo of a popular dish from above does not count toward this amount of required images in the Gallery
- References
  - Every image used on your website must be referenced, whether it was taken by you or a family member or obtained from a copyright-free image website.
  - The reference URLs do not have to be shown but should instead be provided as clickable links. This is actually encouraged to keep the site looking clean.
  - IF you chose to use any images from sites other than the ones listed as acceptable resources, then beside/below these images' references, include the link that points to the license policy for the website from which you downloaded that image (failing to do this will result in deductions).
  - Include a link to the .afphoto file that you used to create the flag. Create it as a regular link and the browser will treat it as a download link by default.

## Folder Structure

- Name the project's root folder "island"
- The webpage must be named "index.html"
- Within root folder, add subfolders:
  - "css" to contain CSS files
  - "images" to contain all images

## Meta Requirements

- Set the page title to: *CountryName - Username* (where *CountryName* is the name of your discovered nation and *Username* is your Western username)
- Use [www.favicon.cc](http://www.favicon.cc) to create an icon of the initial letter of your country and add the favicon to your webpage (Note: some browsers require the icon to be saved in the root folder rather than the images sub-folder. First try it in images and if it doesn't show up, you may move it to the root folder. This is the only exception for storing an image outside of the images subfolder).
- Add links to external CSS files in the head. You must have at least 2 CSS files – one is blocks.css that is provided to you (and cannot be modified) and one that you create yourself for all other styles. Do **not** use any internal CSS.

## References

For this course, you are **required** to use copyright-free images only. This means you will not be allowed to do a simple Google Image search and use any image that comes up on there. Marks will be taken off if you use images that are copyrighted.

The following websites are acceptable and encouraged as they have many copyright-free images that are high definition and free to use!

- Pexels <https://www.pexels.com/>
- Unsplash <https://unsplash.com/>
- Pixabay <https://pixabay.com/>
- StockSnap.io <https://stocksnap.io/>
- Negative Space <http://negativespace.co/>
- Life of Pix <http://www.lifeofpix.com/>
- Cupcake <http://cupcake.nilssonlee.se/>
- Foodiesfeed <https://foodiesfeed.com/>

If you find an image on a *different* website that you think is copyright-free, it is **your responsibility** to find the terms and conditions regarding copyright. Sites will

usually have a page that explains their copyright policies. If you use an image from a site other than those provided in the list above, you will have to find the site's copyright policy and keep track of the link to that policy. This link will have to be included in your submission on OWL so the TAs can determine whether or not your image is indeed copyright-free. Do not ask the instructor or TA to find this copyright policy for you. Failing to find a copyright policy will result in deducted marks. The best option is to just use images from the sites above so that you won't have to look up their policies!

Example: The Pexels policy is found here: <https://www.pexels.com/photo-license/>  
Note that Pexels is one of the acceptable sites listed above so you don't have to provide this license link, but this is an example of what most stock photo sites will have somewhere on their website, but often with different policies.

## Additional Requirements

- You must create a "Back to Top" button that points to the very top of the webpage. This link must **always** be visible near the bottom of the screen, regardless of where you are scrolled to in the webpage (hint: review the different *position* options in CSS).
- You must add at least one CSS **animation** somewhere on the website.
- You must add at least one CSS **transition** somewhere on the website.
- The background of the whole body or at least one section of the page must have a **tiled background** with a texture from [www.transparenttextures.com](http://www.transparenttextures.com).

## Link Hints

- Creating links to bookmarks on the same page involves 2 steps:
  - Create the anchor at the spot where the link will be jumping to. To do this, put your cursor in the spot where you want it and add the HTML:

- `<a name="AnchorName"></a>` (where *AnchorName* is a unique name you want to give it, which should relate to its location)
- Now add the link using the standard `<a href="">` tag and for the href value you will use `#AnchorName`, where *AnchorName* is the name of the anchor you want to jump to. This must be the same name you gave the anchor when creating it in the last step.
  - Links that point to external sites must open in a new tab. To do this, add `target="_blank"` within your link `<a>` tag and ensure that the external link includes the `http://` or `https://`, i.e.  
`<a href="http://www.google.ca" target="_blank">Check out Google</a>`

## Submission

1. Go through this document again and verify that you completed the assignment exactly as instructed.
2. You **must** upload all your webpage files to GAUL (not Panther) via FTP.
  - a. Use WinSCP, FileZilla, or another FTP program.
  - b. Login to `cs2033.gaul.csd.uwo.ca` using your UWO login information. The port is 2033 and use SFTP protocol.
  - c. When logged in, upload your "island" folder containing all the files for your website.
3. Verify that all the files uploaded properly.
  - a. Open the following link (replacing **username** with your Western username): `http://cs2033.gaul.csd.uwo.ca/~username/island/`
  - b. You should see your main webpage load there. If you don't, verify the filename is `index.html` and retry the previous step to upload the files.
4. Submit the link on OWL.
  - a. Navigate into the CS2033 Assignment 2 page in OWL.
  - b. Copy the link of your GAUL island folder into the submission text box (replacing **username** with your Western username):  
`http://cs2033.gaul.csd.uwo.ca/~username/island/`
  - c. Beneath this link, write the words "Websites Notes:" and then provide bullet point notes to explain where you included your CSS animation



and transition and any other requirements that might be difficult for the TA to find on their own.

- d. Submit the assignment on OWL. Do not just save it and leave. Ensure that it is submitted! Check your email right away and look for the automatic OWL email verifying your submission. Keep this email in case of any discrepancy.