CS 2033

Multimedia and Communications II

Assignment 2

Hometown Webpage

Overview

The city in which you grew up, or lived for a significant period of time, is looking for a new website to showcase its attractions and culture and provide viewers with information about the city and country. You have been asked to design and develop the site about your hometown. There are several specific requirements to follow, but you are also given freedom and flexibility in the overall design and the content in the page.

Notes: if you are from a small town and wish to make a site about a bigger city that is **near** your hometown, you are permitted to do so. If you have lived in several different cities, you may choose any one (ideally one that you lived in the longest or felt most connected to while growing up). Do not pick London, ON if you just moved here for university!

Overall Requirements

- Must be a long, 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, etc.)
- Download the file *blocks.css* from
  http://www.csd.uwo.ca/~bsarlo/cs2033b/assignments/hometown/ to use for the layout of your website. Do not edit or add styles in this file. Create new 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.
- You must use websafe fonts and/or Google Fonts only. At least one websafe 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
    - Cuisine
    - Celebrities
    - References

Folder Structure

- Name the project's root folder "hometown"
- 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: *CityName, CountryName – Username* (where *CityName* and *CountryName* are the names of your hometown and nation, respectively, and *Username* is your Western username)
- On www.favicon.cc create an icon of the initial letter of your hometown 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. 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/
- 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.

Top – Requirements

- Create a banner for the top of your webpage
  - Find a photo of your hometown that was taken by you or a family member, or that is copyright-free.
  - Ideally use a picture that captures something unique or special about your hometown like a landmark or popular attraction.
  - If you don't have any such picture or cannot find one on a copyright-free site, you can instead use one of your home country that is not specifically from your city.
  - The photo should be in landscape so it works as a horizontal banner. You may crop or resample the image to make it more banner-like.
  - Use Affinity Photo or Photoshop or another imaging program to add the name of your city and country in the format *CityName, CountryName* on top of the picture. If the text is hard to read on top of the picture, you are allowed to add an intermediate translucent layer between them or apply an effect to the image or add outlines to the text.
  - Add this banner at the top of your webpage.
- Below the banner on the webpage, add the navigation using an **unordered list** with list items. There will be 5 links, each of which will jump to a section bookmark within the page.

About – Requirements

- This section will contain general information about your city **and** country.
- Write at least 4-5 sentences to broadly introduce your hometown and explain the culture and anything unique, special, or otherwise fascinating about this city/country.

- Within this section, include the city population, the country population, continent, geography, climate, demographics, area, and population density. This information can either be included in the written paragraph(s) **or** summarized in a table or list format.
- Include 1-2 sentences about the main industries of your city/country, i.e. fishing, tourism, oil, financial, textile, etc.
- Include at least 2 pictures of your city/country in this section.

Cuisine – Requirements
- This section will include information about the cuisine in your city/country.
- Think of at least 3 dishes/beverages/desserts native to your region, or that are commonly consumed in your region.
- For each one, provide the name of the dish, a brief description of the dish, and a picture of the dish (either taken by yourself or a family member or a copyright-free picture you find online).
- * If you do not have any personal pictures of the dish and cannot find any copyright-free pictures of this specific dish, you could instead use a picture (still copyright-free) of one of the ingredients or something generic. For example, if one of your dishes contains a lot of rice, you could use a picture of just rice rather than the entire dish.

Celebrities – Requirements
- This section will showcase famous people who were born and/or raised in this city or region
- One of these celebrities will be YOU!
  - As a new movie star, you are considered a celebrity from this city!
  - Write your name and include a thumbnail (downsampled, smaller picture) of your DVD cover in this section.
  - This thumbnail picture should have a width between 300px and 500px (depending on how you want to lay out this section).

- The thumbnail must be a clickable link and when you click it, it opens the **full, original** DVD cover JPG image (not the thumbnail). To clarify, the smaller version is displayed in the website but the file it links to is the larger, original version of your DVD cover. To do this, you must have 2 versions of the JPG file, i.e. do **not** use HTML or CSS to do the downsampling!
- After yourself, find at least one other celebrity (they don't have to be worldwide famous; a minor, local celebrity is fine) and provide their name and a short description of what they have done or what they are famous for.

References – Requirements

- 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 can 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).

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.

Hints and help

- 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: (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.
  Check out Google

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, create a folder called "hometown"
   d. Transfer all the files and subfolders into "hometown" and remember to maintain the required folder structure within.
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**/hometown/
   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 hometown folder into the submission text box (replacing **username** with your Western username): http://cs2033.gaul.csd.uwo.ca/**~username**/hometown/
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.
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.