Project 3

Due Date: November 3

Project Description

In this project, you will use your previous HTML and GIMP experience as well as your newfound CSS knowledge to create a comprehensive web site.

Your dear old and eccentric Aunt Agatha recently passed away, and she left you in possession of a huge warehouse full of, well let’s say, unusual objects. You decide that there is money to be made, so you build a new museum to house these items, and become its curator. You call this venture:

The Museum of the Odd and Bizarre (MOB)

You would like to advertise your new museum and get more visitors, so you decide to put your new skills in web design, HTML, CSS, and GIMP to good use by building a complete web site (multiple pages). Using various custom and animated images, fonts, etc., the site will describe the attraction(s), as well as have general information about the museum for the inquisitive visitor.

Requirements

Create your museum web site using Komodo IDE, HTML5, CSS, GIMP, and/or other tool(s). Update your home page (index.html) by adding a link to the museum’s home page for easy access. Store your project files and folders on the server in a folder called project3.

At minimum, your museum pages must contain the following:

- A cohesive overall design and custom color scheme, consistent across all of the pages of the site. CSS should be used liberally to ensure that all pages follow the color scheme and design.

- A custom banner at the top of all pages proclaiming your museum with an appropriate logo. The banner should be consistent across all of the pages.

- A horizontal navigation bar made up of custom hyperlinks that change appearance when hovering, etc. through the use of CSS. The links in this section are for moving about your pages and (possibly) to external site(s). Your site must have (global) navigation links to at least three pages in addition to the home page as shown below (not necessarily in this order). While each of these should be in a different page (file), they should look like the user is just changing the contents section of the same page. Thus, consistency of your pages is crucial.

1. VISIT: This link brings up a page to help the visitor get to and get around the museum. This page should include a secondary (local) navigation bar that has options for (not necessarily in this order):

   (a) Displaying the museum’s floor plan. The floor plan should be custom-made in GIMP (or similar), be made with vector graphics (thus it should be line art), and look as professional as possible. In GIMP, vector elements include rectangles, circles, ovals, straight lines, and text. Straight lines are achieved by holding the shift key down when using the paint brush.
(b) Showing travel information. This portion of the page should include an image of a Google (or similar) street map of the town in which the museum is located.\(^1\) You should edit this map to include an icon of the museum at its location. In addition, you should add in new roads, a parking lot, and where to meet the boat (see below), all nicely labeled, and done in such a manner that it looks like part of the real map. Note that the map should be zoomed in enough to be able to make out these details. Written directions (from the North and/or South, for example), coinciding with the map described above, should also be included.

(c) Displaying opening times and rates.

2. **EXHIBITS:** This links to a page that describes several of the regular exhibits in the museum. This page should be colorful, have several images, and be generally attention grabbing, *while at the same time* sticking to the overall design scheme and design principles.

3. **SUPPORT** or **GIVE:** This brings up a page with suggestions for donating to the museum, along with information about fundraising events, impact the museum has on the community, contact information, and the like.

4. You may include additional links to appropriate pages. Note that you may have “dummy” links; e.g., a label that “links” to another museum across the country that your company owns. It’s OK if such a link doesn’t actually work.\(^2\)

- Highlight of a special event/display on the site home page.
- A custom animated GIF image made in GIMP (or similar) that depicts a boat moving from shore to the museum. As it happens, the museum is on an island, and visitors must take a boat to visit. The boat should be the one shown on the course web page under “Project 3 Image”. The image is a PNG file with a transparent background, which is convenient for making the animation. This animation should be well-integrated into your page design.
- From any page, there must be some way to get back to the home page. You can do this via a link in the horizontal navigation bar or in some other, user-friendly, way.

**Notes**

As in Project 2, you should follow the design principles discussed in class. Furthermore, now that you are able to use CSS and have had more practice in GIMP, your pages should look even more professional. This is also another chance for you to be creative. Simple quantity will not be rewarded, but good quality, imaginative graphics, and creativity certainly will be. Note that you do not have to be an artist to create a wonderful site and get all the points for creativity.

To make development easier, you may choose a fixed size for your pages. This size should be convenient for viewing the site on a laptop or desktop screen (not a phone or small device).

Be sure to adhere to proper HTML and CSS usage and formatting. Your project will be tested using the HTML and CSS validators that are linked on the course web page.

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\(^1\)You can situate your virtual museum anywhere you wish.

\(^2\)It would be nice if you made a rudimentary page (just a heading, for example) for such links, though.
Tables are not allowed to be used as the understory for this project. CSS is to be used for all layout. However, you may use a table for data, if desired. For example, a table may be useful for showing the days and times the museum is open.

I urge you to look at museum or other sites on the web to get some ideas of how to organize your pages. For example, see how designers allow users to link back to the home page from wherever they are in a site.

Because this is for educational (not for profit) purposes, you can legally use additional images taken from just about any web site.

**Project Submission**

For full credit, you must be sure your web pages and all necessary files are stored in your www folder on cs.wheatoncollege.edu by 11:59:59 PM on November 3rd. Remember to test your site by clicking on the new link on your home page, as well as all of the links on the new site. There is no need to turn in hard copy for this assignment.