

# CISC 1600, Project 1: Web design

Prof Michael Mandel

Due: October 21, 2015

## 1 Overview

- This is the project for Unit I: Introduction to Web Programming and Web Design.
- It is due before class on **October 21, 2015**.
- You will create the project using Mozilla Thimble.
- You will also write up a brief document summarizing your approach to the design of the project.
- Please email me ([mim@sci.brooklyn.cuny.edu](mailto:mim@sci.brooklyn.cuny.edu)) the link that Thimble gives you when you “Publish” the project along with the write-up document.

## 2 Grading

This project is worth 10% of your final grade in the class. It will be graded out of 100 points. It has four parts, with associated point values given:

1. One new HTML page (35 points)
2. One new CSS file (25 points)
3. Inclusion of your HTML pages from labs 1–3 (20 points)
4. A one-page write-up summarizing your approach (20 points)

The first three parts should all be written in Mozilla Thimble, and should all be part of the same Thimble project (as multiple files within the project). The last part should be a document in PDF (or MS Word) format, describing the choices you made in building your website.

**Warning:** I may share the link to your project with other members of the class or other people outside of the class. So make sure that they only contain content that you would be comfortable sharing in such a situation.

## 3 Project description

The purpose of this project is to create a **portfolio website** that will be used to display the projects that you will create throughout the semester.

You have already created several HTML pages and CSS files which will be incorporated into this project as sub-pages of your portfolio.

Create a new project in Thimble (<http://thimble.mozilla.org>) and copy all of the necessary files into it from labs 1–3. Make sure to rename any files from the labs that have the same name, so they don't overwrite each other.

### 3.1 New HTML page and CSS file (60 points, total)

As we did in lab 2, please implement in HTML and CSS the following web page design: <http://m.mr-pc.org/teaching/cisc1600/project1spec.pdf>. This time, though, you will get to select several of the elements of the design.

The first, **and most important** step is to use the “box” method we discussed in class and used in lab 2 to identify the structure of the HTML elements. You will need to include your sketch of the boxes you used to build the page in your write-up.

Additional guidelines:

- Please choose your own photo for the large image on top spanning the whole page. Select an image that conveys an appropriate impression about your work to the viewer.
- Upload that image to <http://www.lavishbootstrap.com/> to generate a set of colors to use in the design.
- Select two fonts to use on your page from <https://www.google.com/fonts>, one font for headings, and another for body text. Select fonts that convey an appropriate impression about your work to the viewer.
- Adhere to the layout given in the design document. I will be a stickler for padding, margins, and pieces of the document (boxes) lining up.
- You may reuse parts of your HTML and CSS files from the labs to implement this design.

### 3.2 Inclusion of your HTML pages from labs 1–3 (20 points)

The main page is a portfolio of your work, so you need to make sure that it links to each of the labs that you've done so far. You also should make sure that it will be easy to add subsequent labs that we do over the semester to it.

For this part of the project

- If you haven't already, add all of the HTML and CSS files from labs 1–3 to the project. Be sure that files with the same name from different projects don't overwrite each other.
- Update the picture, name and description for each lab to accurately summarize your work in that lab. Make sure not to disturb the layout of the page.
- Make each image, title, and “Go” link on the portfolio page are actually clickable links to the corresponding HTML page of the lab.

This section of the project will be graded not on the completeness of the labs, but on how well the portfolio page summarizes them and links to them. Of course, if you want to polish them up, it certainly can't hurt.

### **3.3 A one-page write-up summarizing your approach (20 points)**

Create a 1-page (including figures) written document using a word processor (like MS Word) that describes your process of implementing this design.

Begin with a description of how you broke the design down into a set of nested and adjacent boxes and a figure illustrating the boxes' locations and names. Discuss pros and cons of the way that you laid out the boxes. Will the design look acceptable on devices with different screen sizes?

Discuss how you selected the images and fonts that you used and what impression you were aiming to convey the viewer with them. Discuss how you decided which colors to use for which components of the design.

Discuss any difficulties or problems that you encountered in implementing the design.

Write in clear English. Check your grammar and spelling. Save your document as a PDF, if possible.