
CSCI 3350 Project

Learning by doing is an important strategy to retain knowledge. This course helps the students to acquire the ability to develop a real-world web user interface mock-up/prototype. In the development process, the students are required to apply the theories learnt in class. This is an individual project.

The project is incremental. The deliverables are as follows:

Part #1. Content report, client requests, visual research, 4 sketches, color scheme (palette)	5%
Part #2. Fireworks (png) mock-up file	5%
Part #3. Sliced Fireworks (png) file, working static website (html, css, images) with content	5%
Part #4. Presentation (in class only), website portfolio (screen captures)	20%
Total	35%

In this project, you are to apply the basic web design principles and employ the appropriate web design methodology to create a web site.

You are required to redesign interface for some existing websites:

- Students with last names starting with letter A- I:
 - Atlas of Amphibians for Tennessee (<http://apbrwww5.apsu.edu/amatlas/index.html>). The front page is misleading, click on an image to go into the site.
- Students with last names starting with letter J- N:
 - Atlas of Reptiles for Tennessee (<http://apbrwww5.apsu.edu/reptatlas/>). The front page is misleading, click on an image to go into the site.
- Students with last names starting with letter O-Z:
 - Dr. James F. Thompson's Web Resources for Human Anatomy & Physiology Students (http://apbrwww5.apsu.edu/thompsonj/Anatomy%20&%20Physiology/web_resources_for_A-P_students.htm).

All students need to come out with different designs. The client may choose one of them, and use it for his/her website.

You need to get the following (minimum) information from the existing website:

- Target audience
- Sections/structure of the website (which is challenging)

Note:

You need high-quality high-resolution photos for the design. Try to acquire free stock photos from the Internet. Do NOT use “old” photos from the original website you are going to re-design (Points will be deducted). You may purchase photos and images for this project, but it is NOT encouraged. Try to use free stock photos and images. If you really need to purchase images, your maximum allowed expenditure for images is US\$30.

Submission instructions (next page)

Final Project - Part 1 submission instructions

You need to submit a **project part 1 report** to the D2L digital dropbox.

Name your report file **lastname_firstname_part1.pdf**.

The report should have at least 5 pages, include the following...

1. Student name, course name
2. Website title
3. Introduction, aims and objectives of website - 1 to 2 paragraphs
4. Target audience - age, education level and other group demographics, things to consider
5. Sections - description for each section (you may use visual tools such as navigation diagram to help with the description, but not necessary)
6. Visual research - links and **screen captures** of at least 4 websites (all 4 for visual research and design concepts)
7. color palette - for your website

You need to search/choose and submit 10 photos (images) you are going to use for your website design. (banners, logos etc) There should be high solutions photos (images), and you cannot use "old" photos (images) from the "old" website (Points will be deducted if you do).

Zip the images in a file **lastname_firstname_part1_images.zip**.

Make sure there is no copyright issue with these images.

You also need to submit 4 different website design sketches (designed by you, on paper, similar to what is produced after video 03_002), using template(s) provided for assignment 4.

- Online section: Scan the sketches, save as a pdf file **lastname_firstname_part1_sketches.pdf**.
- Inclass section: Submit the sketches during class.

Final Project - Part 2 submission instructions

You need to submit the following (for project part 2) to the D2L digital dropbox.

1. Fireworks png file for your site mock-up, name your file **index.fw.png** (you do NOT need to slice, similar to what is produced after video 03_012).
2. Jpg file: **index.jpg**. Remember to export the file to 95% jpg.

Final Project - Part 3 submission instructions

Now your project should be almost complete with html files and image files.

- slice your fireworks png file, export it to create multiple linked html files
- build your website in folder /lastname_firstname_project/
- your home page should be index.htm, give meaningful names (all lower case, no space, no special character) to other html pages
- put in content (no dummy text), for at least 2 pages (home page index.htm and another page)
- put images in sub folder /lastname_firstname_project/images/

You need to submit the following 2 files (for project part 3) to the D2L digital dropbox.

1. fireworks png file for your site mock-up, name your file **index.fw.png** (you need to **slice** it)
2. your website: a zipped file **lastname_firstname_project.zip**

What to expect for project part 4 submission (later)

1. any improvement you want to make
2. any change request from me
3. screen capture submission

Final Project - Part 4 (final) submission

All instructions from the Part 3 submission still apply.

You need to submit the following 4 files (for project part 4) to the D2L digital dropbox (NO late submission allowed, grading system will close):

1. fireworks png file for your site mock-up (final sliced version), name your file **index.fw.png**
2. your website: a zipped file **lastname_firstname_project.zip**
3. screen captures of 2 different web pages (no dummy text, correct spelling/content): **lastname_firstname_screen.pdf**
4. a pdf file containing the screen capture(s) of all html validation results (from <http://validator.w3.org/>) and css validation results (from <http://jigsaw.w3.org/css-validator/>), name the file **lastname_firstname_validation.pdf** (a sample file can be found under "content > assignments")

Note:

- All html files must pass html validation at <http://validator.w3.org/> without any error. Use the validator's "File Upload" tab to check each file. (all html files must be validated as **HTML 5**)
- All css files must pass css validation at <http://jigsaw.w3.org/css-validator/> without any error.
- If your html file contains any css component, your html file must pass both html validation (1 above) and css validation (2 above) without any error.
- If your files do not pass the HTML 5 validation and CSS validation, **1 point will be deducted for each error found** (warnings are acceptable). I will run validations on your submitted files again.
Start your validation early! It takes time to fix errors!

Presentation (Inclass section only):

Each student needs to give a 5 minutes presentation on:

1. Project content
2. Png layout, how you did it, step by step
3. Slicing, how you did it
4. html/css editing, how you did it, step by step
5. Difficulties encountered
6. If you are to do it differently all over again, how would you do it?

You need to submit the following during the presentation:

1. Two letter-size color paper prints - screen captures of your final website (html version, not the png version).
 - a. Screen captures two different web pages (no dummy text, correct spelling please).
 - b. View the webpages in a web browser, but do not show the web browser in your screen captures.
 - c. You need to cut and paste (and save) the captured image before you print.
 - d. There is a color printer in lab MMCS 133. Please note that printer normally breaks down before submissions, so print early.