

# Web Site Project

## Purpose

To design, develop, and publish a web site using recommended design practices. Your Project will demonstrate mastery of the web development skills and concepts learned in this course.

**Optional: publish your web on the Internet.** *We are using Replit so this is easily accomplished.* Look for an Ad Free host (project must be hosted on an Ad Free host). Your ISP may offer you free website space. There are also many sites on the web that offer ad free website hosting. Try searching for some on your own or check out Ad Free Website Hosting (Resources > Ad Free Web Site Hosting) to get you started. Your web site should be an educational website.

The project must be your own design and be completed by you — the use of free or purchased website templates are not permitted (for example, those found in Dreamweaver, purchased or free, blog or social networking templates such as Drupal, WordPress, Blogger, and Facebook). If it is perceived that a web template has been used, the project grade will be no higher than "below average" (D).

Students sometimes wonder about what a "page" should contain. The answer is that to count as a "page" in your web project, a web document must be designed in a manner consistent with your site and contain content of value that includes text and images. **Web page documents that have little or no content of value to your intended audience or consist only of an image or a PDF will NOT be counted as a "page".**

## Your Project Documentation

A key part of your assignment is the project documentation. Don't skimp on this part of the project, as your grade will be largely determined by the effectiveness of the documentation in showing off your work. If you do great things, but do not describe them clearly in your documentation and comments, you are likely to be disappointed in your grade.

**Required elements:** The documentation should state where in your site you used each required element and should explain what affects you were trying to achieve along with the techniques you used to do so. If you adapted HTML from somewhere else, your documentation should **cite the source, with a link if possible, and explain what adaptations you applied.** (Simply copying a design from elsewhere is not acceptable; you should instead try to identify the basic idea that you are trying to capture and then modify it to suit your own needs.) Your documentation should be easily accessible from the index page of your account and should be clearly named with the assignment number and the fact that it is the project documentation. *Assignments without a project documentation page will receive very low or failing grades.*

## Presentation

Begin with your mission statement and the major design points mentioned in class -- layout, colors, whitespace, navigation, and interaction. Describe how you used each to enhance the site's effectiveness, with specific examples where possible. Point out any ideas you are particularly proud of. Part of your grade will be based on creative, innovative, and/or advanced uses of the basic techniques discussed in class.

## Project MUST contain (at minimum)

### Midterm Requirements:

- One (1) home page, an about me page, and at least one other page.
- **Each page** must contain appropriate text and images that provide information and value to the target audience
- **Each page** must contain appropriate page titles
- **Website must include the following:**
  - Elements and Tags
  - Headings
  - Paragraphs
  - Unordered /Ordered Lists • Description Lists
  - One (1) table utilizing data effectively
  - Images
  - Links
  - Simple text Formatting • Nesting Lists
  - Audio & Video
- One (1) e-mail link
- social media links
- One (1) external links
- **Each page** must contain appropriate meta tags
- One (1) external style sheet (CSS) which contains a minimum of six (6) styles

**Final Requirements:**

- One (1) home page and six (5) (but no more than ten (10)) content pages 5Pgs.Required.
- Responsive web pages using CSS, Bootstrap or other
- Website must include 4 examples of JS:
  1. Slide Show (Carousell)
  2. Image Changer
  3. Flipbook
  4. Form
  5. Choice
- Use the DOM to modify your website.

**Optional:**

- One (1) form (four (4) fields minimum, server-side processing must be used to collect save form data (to a text file or send information via email) and to display a confirmation page)
  - Form must reside on project site (link to an external form is not allowed)

**Project must NOT contain:**

- mailto or handlers (for example, ASP, CGI scripts) provided in our course assignments are not allowed as the FORM action
- < FRAMES > based page
- < TABLE > based page
- < IFRAME > based page
- Image based page (where the page contains little or no text or content other than images) ·  
Spry Widgets (Dreamweaver)
- FONT tag or inline, embedded, physical or logical styles

**Milestones**

- Topic Approval (must be approved before moving on to other milestones)
- Planning Analysis Sheet
- Site Map
- Wireframe
- Update 1
- Update 2
- Publish Project

**Your web site project will be evaluated on the following criteria**

- Accomplishment of Project Objectives
- Contains Required Elements (Rubric)
- Visually Appealing
- Application of Design Principles
- Project Documentation

**Project Milestones:****Week. 2**

**Website Topic Approval:** The topic of your web site must be approved by your instructor. What is the purpose of the site?  
One Page Typed.

- What do you want the web site to accomplish?
- Who is your intended audience?
- What opportunity, problem, or issue is your site addressing?
- What type of content might be included in your site?
- List at least two related or similar sites found on the WWW
  - Explain why you chose them

**Topic must be approved before you may begin to work on the next milestone.**

### Week 3

**Planning Analysis Sheet:** Using a word processor, write a Planning Analysis Sheet that includes the following.

#### Website Goal

*Describe the goal of your web site in one or two sentences.*

#### What results do I want to see?

*List the working title of each page on your web. You will have seven to eleven working titles listed.*

#### What information do I need?

*List where you will obtain the content (facts, text, graphics, sounds, video) for the web pages you listed above.*

#### How will your project use a form?

*Describe how you plan to use a form in your project to collect information — examples of using a form might be to offer feedback, provide a survey or poll, offer subscriptions to a newsletter, etc.*

### Week 4

**Site Map:** Using a word processor, PowerPoint, or ruler and pencil, draw a flowchart (storyboard) of your web site that shows the hierarchy of pages and relationships between the pages.

**Wireframe:** Use a computer application to create a wireframe for a sample page on your web site that clearly shows the logo, navigation, content, and footer areas. Use a graphics application to create a wireframe and save as a .gif or .jpg file.

**Web Content:** (text, images, etc.)

- Home Page
- About Me Page
- Choice

### Week 5

**Project Update Meeting 1:** You should have at least three pages of your site completed by this time. The Project Update Meetings will be held during class lab time. Bring the following items to discuss with and hand in to your instructor:

- The URL of your web site.

- The source files of your web pages and images
- A sketch of your page(s) that will utilize a table.
- Your Site Map (revise as needed).

### Week 9

**Project Update Meeting 2:** You should have at least six pages of your site completed by this time. They should be published to your web site on the Internet. Unless prior arrangements to meet are made, the Project Update Meetings will be held during class lab time. Prepare the following to discuss with your instructor:

- 6 Completed pages (**Pages Must be Responsive**) **Page 7 is for References and Notes**
- A sketch of your form
- Your Site Map (revise as needed).

### Week 12

**Project Milestone Java Script:**

- JS Slide Show (Carousel)
- Image Changer
- Date and time
- Flipbook
- Form
- Choice

## **Week 14**

### **Project Milestone DOM:**

- Use the DOM to modify your website.

## **Week 15**

**Publish & Discuss Project:** Finish publishing your project to your web site. Be prepared to show your web site to the class, explaining the purpose behind each page / group of pages.

## **Rubric**

### Appendix I

- Project Topic Approval Rubric
- Planning Analysis Rubric
- Site Map Rubric
- Wireframe Rubric

### Appendix II

- Project update 1 Rubric
- Project update 2 Rubric
- Final project Rubric