

Image Gallery

The Elements and Principles of Good Web Design

INTRODUCTION

Using what you have learned in Unit 1, you will design and develop a webpage that uses the essential principles of good web design, the 960 grid system, and online resources.

PART 1: PLAN

Planning is an essential part of the design process for a website. It is where the purpose and requirements for the website are decided upon.

A. What is the theme of the images that you will be displaying in the gallery?

Example: Cats that look like Ron Swanson

B. Who is your target audience?

Example: Cat lovers and Parks and Recreation fans.

C. When does this project need to be completed?

Example: January 31st

D. What is the purpose of this website? Why should it be developed?

Example: To spread humor to the cat lover community and to expose the similarity between Ron Swanson's face and a cat's face.

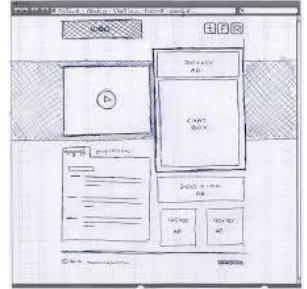
E. What are the constraints and parameters?

1. Needs to include an Image Gallery using online resources.
2. Needs to use the 960 grid system.
3. Needs to adhere to the Essential Principles of Good Web Design.
4. Needs to consist of at least 10 images with a thumbnail for each.
5. Needs a title (<h1>).
6. Needs a description (<p>) — at least 3 sentences welcoming the viewer and describing the content on the page.
7. Needs a footer (<p>) — including your name and the date the page was last updated.
8. Needs a **subtle** gradient background using CSS.

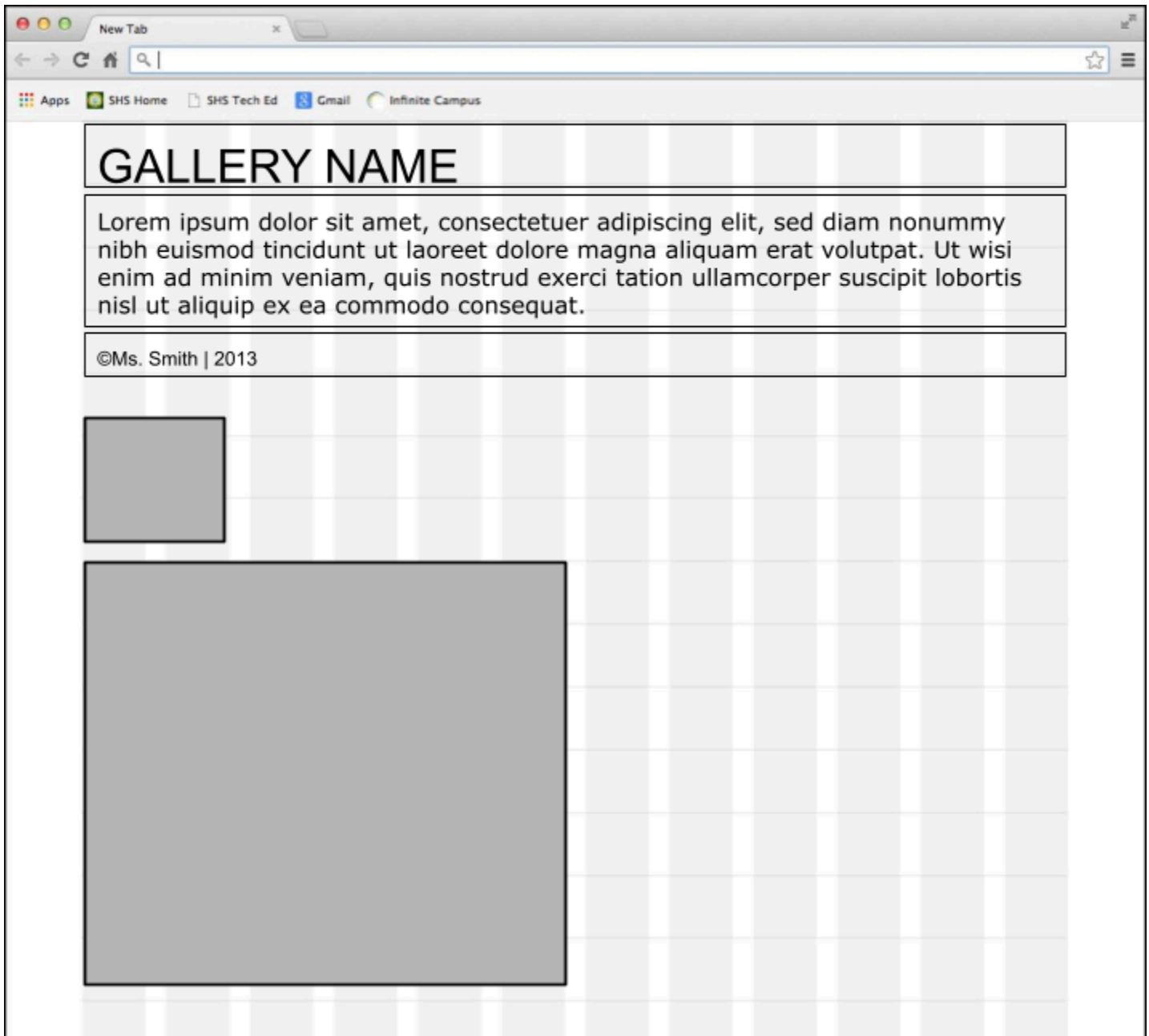
PART 2: DESIGN

Before developing a website, a designer spends time designing the structure and look of the site.

- A. **Wireframe:** The wireframe depicts the [page layout](#) or arrangement of the website's content, including interface elements and navigational systems, and how they work together. The wireframe usually lacks typographic style, color, or graphics, since the main focus lies in functionality and priority of content.



Design your website wireframe in the space below using the 12 column 960 Grid System. Double click the image to enter the drawing editor. Use the drawing tools to create a wireframe for your webpage layout.



- B. **Color Scheme:** Picking a color for a website means much more than picking your favorite color and turning it into a layout. It means picking the right color in order to get the desired response from your audience, choosing colors that compliment each other and choosing colors that create enough contrast that content can be read easily.

Use the following website to choose 3 colors to use on your website. Change the cell background colors to the colors you are using in your color scheme and write the hexadecimal numbers below each.

colorschemedesigner.com

Hint: Choose Table → Table Properties → Cell Background Color → Custom to enter a custom hexadecimal number.

#8f58ff	#ffffff	#ffffff

- C. **Typography:** Typography is important in web design. You must pay attention to make sure that your text is readable and matches the style of your design.

Use the following website to design the <p> and <h1> text for your webpage. Remember, the <h1> tag will define the Name of the Gallery and <p> tag will define the description text and the footer text.

typetester.org

```
p{
  font-family: _____ ;
  text-decoration: _____ ;
  word-spacing: _____ ;
  text-align: _____ ;
  letter-spacing: _____ ;
  line-height: _____ ;
  font-size: _____ ;
}
```

```
h1{
  font-family: _____ ;
  text-decoration: _____ ;
  word-spacing: _____ ;
  text-align: _____ ;
  letter-spacing: _____ ;
  line-height: _____ ;
  font-size: _____ ;
}
```

PART 3: DEVELOP

A. Gather/Create Content

Gallery Name:

Gallery Description (3 sentences welcoming the viewer and describing the content of the page):

Images - Collect all 10 images and resize/crop them in Photoshop so they are all the same dimensions. You will need two versions of each image: a thumbnail and large size. Save and optimize each of the images for web. Record your dimensions in the space below:

Thumbnails	Large Images
Height: Width:	Height: Width:

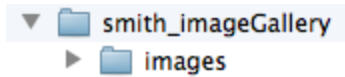
Gradient - Use the following website to create a **subtle** gradient background using colors from your color scheme. Copy and paste the CSS in the box below:

www.cssmatic.com

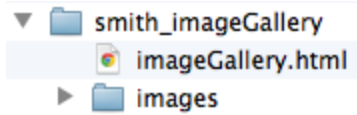
Image Gallery - Search the web for an image slideshow/gallery/slider to use in your website. Paste a link to the download page below.

B. Code

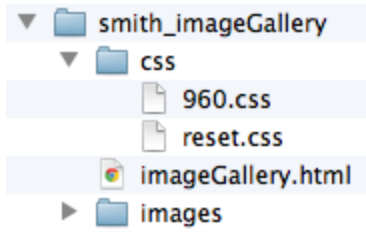
1. Create a new folder called lastname_imageGallery and inside that folder, a folder called images.



2. Create a new html file called imageGallery.html and save it in the folder.



3. Download the 960.css and reset.css file and place them in a folder called css.



4. Move all your images to the images folder (.jpg, .gif, or .png).

5. In imageGallery.html, add a title.

6. In the head section, link the css files.

```
<head>
  <link rel="stylesheet" type="text/css" href="css/reset.css" />
  <link rel="stylesheet" type="text/css" href="css/960.css" />
</head>
```

7. Create the 960 grid layout to match your wireframe.

8. Insert the CSS for the <h1>, <p>, and background gradient.

```
<style>
  body {....Insert your code here....}
  h1   {....Insert your code here....}
  p    {....Insert your code here....}
</style>
```

9. Insert your content: title, description, and footer.

10. Configure and insert the image gallery using the images for the gallery.

PART 4: TEST AND EVALUATE

A. Test your webpage in multiple browsers.

B. Rubric

Still Developing	Approaching Mastery	Mastery	Exceeds Mastery
I can implement a few of the essential principles for good web design into a website layout.	I can implement some of the essential principles for good web design into a functional website layout.	I can implement the essential principles for good web design into an aesthetically pleasing and functional website layout.	I can implement the essential principles for good web design into an aesthetically pleasing and functional website layout that resembles the work of a professionally designed website.
I can use the 960 grid system to create a simple website layout.	I can use the 960 grid system to create a simple website layout to organize content and allow users to distinguish between different types of information.	I can use the 960 grid system to create a complex website layout to organize content and allow users to distinguish between different types of information in a clear manner.	I can use advanced features of 960 grid system to create a complex website layout to organize content and allow users to distinguish between different types of information in a clear manner. I can adapt my knowledge of the 960 grid system to master other grid systems.
I can add a simple component using online resources to a webpage.	I can add a simple component using online resources to a webpage to increase functionality.	I can customize and configure a complex component using online resources to increase the functionality of a webpage.	I can customize and configure complex components by researching and importing external resources to increase the functionality and aesthetics of a webpage.
I can design, develop, and test a product that meets some aspects of a specific list of requirements and demonstrates proficiency in the use of some of the elements and techniques of the technology.	I can design, develop, and test a product that partially meets a specific list of requirements and demonstrates proficiency in the use of most of the elements and techniques of the technology.	I can design, develop, and test a product that meets a specific list of requirements and demonstrates proficiency in the use of the elements and techniques of the technology.	I can design, develop, and test a product that meets a specific list of requirements and includes innovative work and demonstrates analysis of the elements and techniques of the technology.