

## Group Assignment 1 – HTML and CSS

### PART 1: A First Web Page [3.00 points]

#### Overview:

Part 1 of this group assignment is the first step in the creation of a website. You are asked to create a page for a painting for an Art Store website. You'll need to dust off your knowledge about HTML5 basic elements, so use web resources as you need them.

#### Instructions:

1. Open your editor of choice and create a file named **a1p1.html**.
2. Start adding proper HTML5 markup such that you end up with a page looking like **Figure 1.1**. You'll need to make a "best guess" as to what are the HTML5 elements needed.  
**Note:** *Do not overthink it, I'm not looking for an exact look, but a similar one, so for example if you use an <h3> instead of an <h2> heading it is ok, but make sure you maintain consistency.*
3. All the figures for the webpage are provided in the **images** folder, so use them appropriately for links <a> and images <img>.
4. Links in the menu are "dummy" links, so you might use href="#".
5. When creating images with <img> remember to use the attributes alt and title.
6. Investigate what are the lines below each comment in the **Reviews** section and use the appropriate HTML5 element to generate them.

#### Hints:

**Figure 1.1** contains hints that will tell you what specific elements and behaviors are required for **a1p1.html**. These hints are represented by a blue circle with a number inside:

**Hint 1:** Pay attention to all the special characters in **Figure 1.1**. You will need to find the appropriate code to generate the different punctuation marks that certain vowels and letters need. As you know, all special codes have the format **&code**; so, go to the web and find the ones you need to generate these special characters. For example, the accent in the letter e in my last name **Pérez** is obtained with &eacute;

**Hint 2:** This link should take you to the Wikipedia entry for Jean-Auguste-Dominique Ingres. This is an absolute link.

**Hint 3:** When you click on this image it should take you to the larger version named **06010-large.jpg** located in the **images** folder. This is a relative link.

**Hint 4:** The four images below the **Related Paintings** section need to have the **title** attribute set to title="Painting\_Name by Artist\_Name". Since the names and the artists names are not provided, you will need to use google image search (<https://images.google.com/>) and upload each of them in order to perform a search by image. Google will let you know (or give you hints about) the names of the paintings and artists.

#### Testing:

1. First, test your page by checking if it looks like the one in **Figure 1.1** on the next page.

2. Now check that the links take you to the appropriate places, and that clicking on the main painting ([Hint 3](#)) brings up the larger version.
3. Validate the page by either using a built-in tool in your browser, or pasting your HTML5 code into <http://validator.w3.org/> and ensure that the code has no errors!

**Evaluation:**

Below is the evaluation for Part 1.

Points	Item
0.8	Looks are similar to Figure 1.1
0.2	Pass HTML5 Validation
0.5	Hint 1 Satisfied
0.5	Hint 2 Satisfied
0.5	Hint 3 Satisfied
0.5	Hint 4 Satisfied

# My Sample Art Store

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## Mademoiselle Caroline Rivière 1

By [Jean-Auguste-Dominique Ingres](#) 2



The portrait of Mademoiselle Caroline Rivière was painted in 1806 by French Neoclassical artist Jean-Auguste-Dominique Ingres, and today hangs in the Louvre. It is the third of three portraits of the Rivière family the artist painted that year.

### Product Detail

Date: 1806

Medium: Oil on Canvas

Dimensions: 100 x 70 cm

Home: Musée du Louvre, Paris

[Add to Basket](#) [Add to Favorites](#)

Share: [Email](#) [Twitter](#) [Facebook](#) [Google+](#) [LinkedIn](#)

### Related Paintings



### Reviews

#### Love this painting

Robert Müller ★★★★★ 1

This child's portrait, as well as those of her parents, shows Ingres' closeness to Raphael and the Florentine painters prior to his departure for Italy. When they were shown at the 1806 salon, they were labeled "Gothic" because of their linear precision and enamel-like finish, in the manner of the "primitives".

#### It's okay

Andrés Núñez ★★★★★ 1

The girl's pose is reminiscent of Raphael, whom Ingres revered. The characteristics of the drawing, however, unconcerned with anatomical accuracy, are all Ingres' own. Caroline Rivière's neck is very elongated, and the bridge of her nose flows uninterrupted into the brow, forming a strange curve.

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Figure 1.1: The final look of **a1p1.html**

## PART 2: HTML5 Semantic Markup and Style [4.00 points]

### Overview:

Part 2 of this group assignment will deal with HTML5 semantic markup and CSS.

### Instructions:

1. Open the file **a1p2.html** with the editor of your choice.
2. Start by changing many of the `<div>` elements for the appropriate HTML5 semantic markup elements: `<header>`, `<main>`, `<footer>`, `<article>`, `<section>`, `<nav>`, `<figure>`, and so on. You might leave some `<div>` elements to apply block style to certain parts of the page (using class or id selectors when appropriate). You might also want to use the `<span>` element to give style to inline elements.
3. Understand and modify the style sheet file named **a1p2.css** and add style (as needed) such that **a1p2.html** looks like **Figure 1.2**. Remember to also link **reset.css** to clear default styles.
4. You will need to use a different font for the entire page. Do some research about how to add an external Google font to your HTML file and how to use it via CSS. The font name is "**Alegreya SC**". The font looks like that of **Figure 1.3**.

### Hints:

**Figure 1.2** contains hints that will tell you what specific elements and behaviors are required for **a1p2.html**. These hints are represented by a blue circle with a number inside:

**Hint 1:** This is an image named **header-background.png** in the **images** folder. This image will be use as the background image for the main title and the headers in the main section.

**Hint 2:** The background color use is **#283649**. The link color (and all other orange colors in the page) is **#FF3D00**. When the mouse passes over a link on this menu it should change color and shape, such that it looks like **Figure 1.3**. The links in this section should take you to the appropriate sections below when clicked, e.g. if I click the link "Location" the page should move to the Locations section. This is a relative link to a part of the page.

**Hint 3:** The background color for the page is **#ECEFF1**. All the regular text in the page should be color **#283649** (except the for the ones that are **white**, **orange** or **grayish**).

**Hint 4:** The background color in these portions is **white**.

**Hint 5:** These links use **edit.png** and **flag.png** (from the **images** folder) to generate the little icons inside the rounded-corner orange box. Add these images via CSS, not via HTML. The text color is **white**. The background color that contains these elements should be **#607D8B**.

**Hint 6:** Use attribute selectors for the email and telephone link icons like:

```
a[href^="mailto"] {  
    background: url(images/email.png) no-repeat 0 3px;  
    padding-left: 1em;  
}
```

**Hint 7:** For this part, you will have to style the `<details>` and `<summary>` tags, such that when they are close the background color is **#ECEFF1** and text color is **#283649**, but when you open them, the background color will change to **#607D8B** and the text color to **#ECEFF1**. The ordered lists inside the `<details>` tags should use uppercase alphabetic order, they should be

orange and bold, and the actual content of the list items should have the default page color for text (**extra hint:** *You might have to use <span> to make this work.*)

**Testing:**

1. Test your page by seeing if it looks like the one in **Figure 1.2** and **1.3** on the next page.
2. Test that the links are changing colors and shape, they are directing you the specific parts of the page when clicked, and the email and/or telephone links are triggering the appropriate events (e.g. opening your default email program).
3. Validate your HTML5 code!

**Evaluation:**

Below is the evaluation for Part 2.

Points	Item	Points	Item
<b>0.50</b>	Looks are similar to Figure 1.2	<b>0.30</b>	Hint 3 Satisfied
<b>0.30</b>	Correct use of Google font	<b>0.30</b>	Hint 4 Satisfied
<b>0.10</b>	Pass HTML5 Validation	<b>0.40</b>	Hint 5 Satisfied
<b>0.30</b>	Hint 1 Satisfied	<b>0.20</b>	Hint 6 Satisfied
<b>0.80</b>	Hint 2 Satisfied	<b>0.80</b>	Hint 7 Satisfied



3

## 4

5

5

## 6

[Edit](#) [Flag](#)

[Edit](#) [Flag](#)

Edit Flag

Edit Flag

On paper, I'm a computer scientist. To most people that probably means I spend hours learning the ins and outs of coding languages, spend more time talking to my computer than I do to other people, and my mornings begin with an energy drink because sometimes I sleep a lot less than I probably should. While partially true, above all else my computer is the way I give to others.

Edit Flag

## ▼ Individual Tasks

7

► **Collective Tasks**

► Client-Focus Tasks

[illegible]

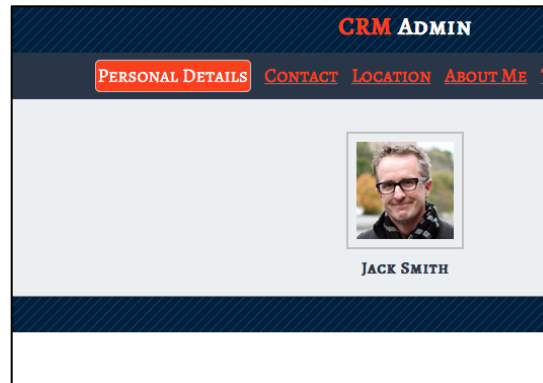


Figure 1.3: The look of *a1p2.html* menu items when the mouse is over a link.

### **List of CSS Properties:**

The following is a list of the possible CSS properties you'll be using in Part 2 of the group assignment. Be sure to understand them and use them with their correct values:

- background, background-color
- padding, padding-top, padding-bottom, padding-left, padding-right
- margin, margin-top, margin-bottom, margin-left, margin-right
- border, border-radius
- font-size, font-weight, font-family
- color
- text-align, text-decoration
- display

### **PART 3: One-Page Resume Website [3.00 points]**

### **Overview:**

Part 3 of this group assignment will deal with the construction of a one-page website containing the resume or CV of a celebrity, a fictional character, or yourself. This part will leave you to freely choose whatever CSS style you want to use and whatever HTML5 elements you feel will help you better.

### **Instructions:**

1. Create a file named **a1p3.html** with the editor of your choice. Start adding code to build the resume. Resume sections you can include can be found following this link (For those of you working with fictional characters or celebrities, making up some of the missing information is allowed).
2. Use bootstrap to style your page (and a CSS style if you need to). You can look for a bootstrap template in the web.

### **Minimal Requirements:**

Your page must have at least one use of the following HTML5 and CSS elements:

1. An image (like a profile picture). Other images can be use.
2. Headings (H1, H2, and/or H3).
3. A top navigation section where the user can click links to go to specific parts of the page.
4. Make sure you use the appropriate HTML5 semantic elements such as <header>, <main>, <footer>, <article>, <section>, <details>, <summary>, and <nav>.
5. You have to use two different Google fonts for your page (of your choice). One for headings and titles, the other for the rest of the text in the page.
6. When the mouse passes over links, they should change color or shape, or both.
7. Be creative and have fun!

### **Suggestions:**

1. You might use an image as a background for your page.
2. Use color in your page with caution.

### **Testing:**

1. Test your page as you go to see if it looks how you want it to look.
2. Test that the links are changing colors or shape, and that they are directing to the specific parts of the page when clicked, and the email and/or telephone links (if using them) are triggering the appropriate events (e.g. opening your default email program).
3. Validate your HTML5 code!

### **Evaluation:**

Below is the evaluation for Part 3.

Points	Item
1.00	Overall look and design of the page
0.25	Correct CSS or Bootstrap linking



<b>0.25</b>	Pass HTML5 Validation
<b>0.20</b>	Minimal Requirement 1 Satisfied
<b>0.20</b>	Minimal Requirement 2 Satisfied
<b>0.25</b>	Minimal Requirement 3 Satisfied
<b>0.20</b>	Minimal Requirement 4 Satisfied
<b>0.25</b>	Minimal Requirement 5 Satisfied
<b>0.20</b>	Minimal Requirement 6 Satisfied
<b>0.20</b>	Minimal Requirement 7 Satisfied