Web II

Assignment #4: CSS Framework, JavaScript, JQuery

Due some date and time

Overview

The intent of this assignment is to demonstrate your ability to make use of JavaScript, JQuery, and CSS framework across multiple pages. One of the key abilities that all web developers need to master is the ability to read online documentation and then make use of that documentation.

Submitting

Put your assignment in a folder named assign4_*yourgroupID* (e.g., assign4_GreatBuilders). Put all resources used by your assignment into this folder. Compress this folder and upload it to the submit dropbox. You will lose marks if you do not follow these submission instructions.

Grading

The grade for this assignment will be broken down as follows:

Functional Requirements (85/100)
Non-Functional Requirements (15/100)

Non-Functional Requirements

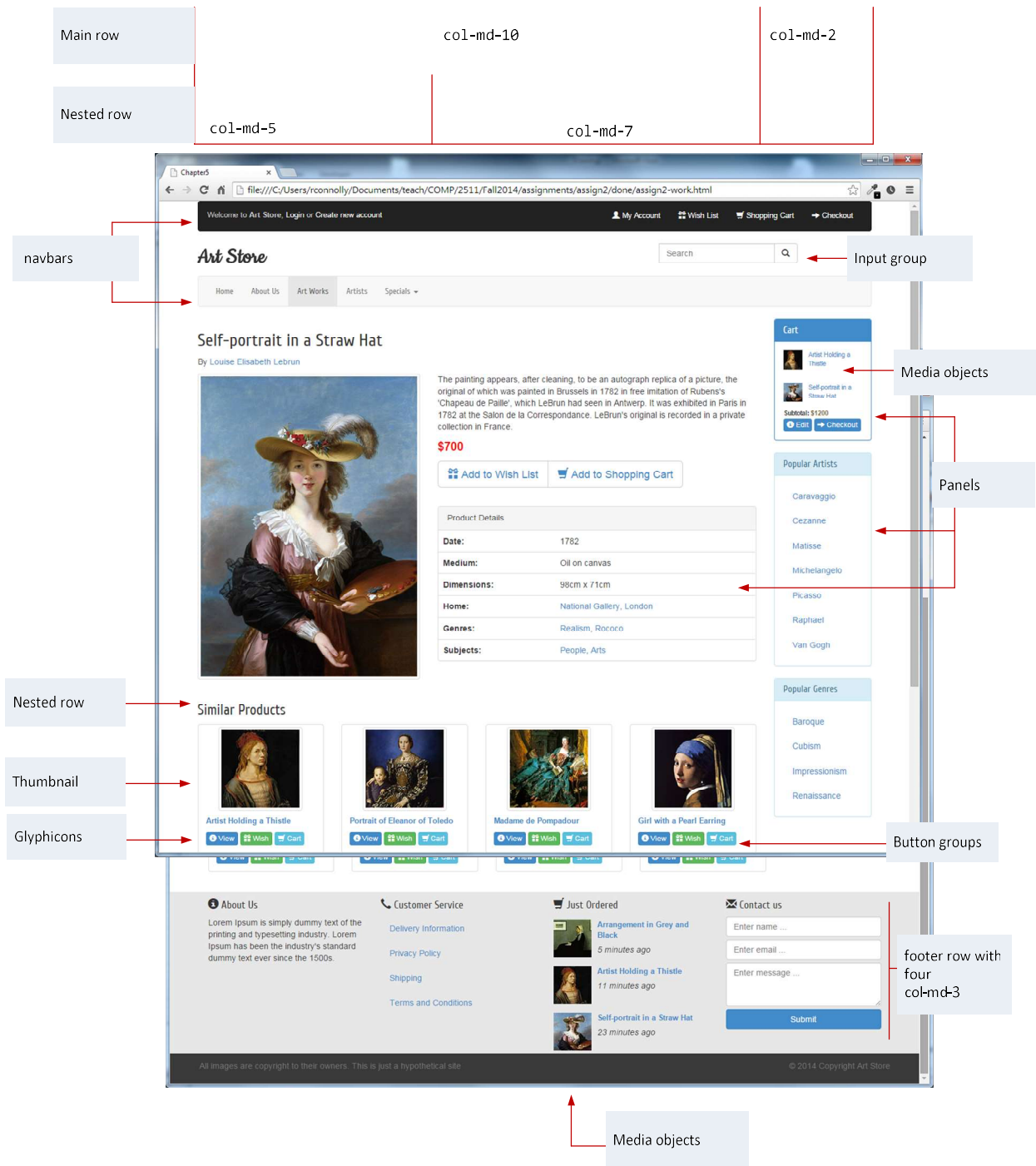You must submit valid and semantically appropriate HTML5.

You must create the 5 HTML web pages described below. You will be supplied with the necessary images as well as the starting HTML for one of the pages.

You must use the Bootstrap CSS Framework (http://getbootstrap.com/). Any additional non-bootstrap CSS must be contained within a single additional CSS file. All javascript and jquery code should reside in .js files nothing inlined.

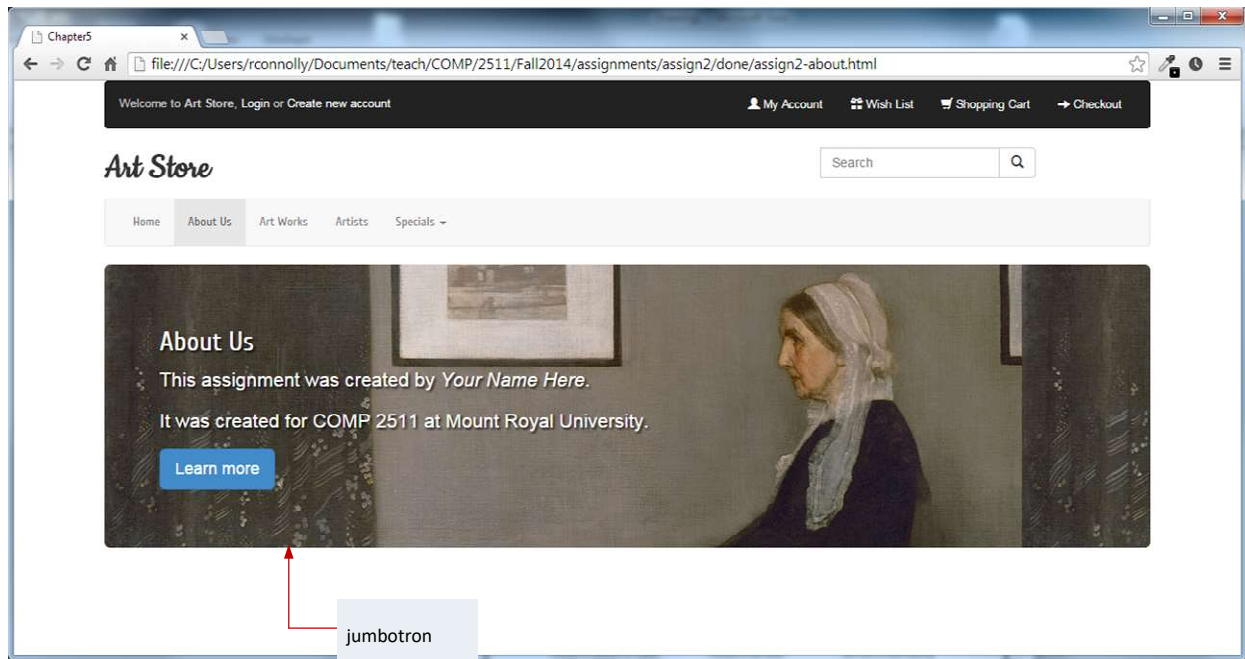For the dummy links, make the destination URL "#".

Functional Requirements: Page One

1. This file **must** be named `index-work.html`. You have been provided with the html for this file.

2. You must integrate two Google fonts (see p. 137 in book). The Assign 2 logo must be either a Display or Handwriting category font whose name begins with the first letter of either your first or last name. The font for the second navbar as well as the headings (e.g, "Self-Portrait in a Straw Hat", "Similar Products", "Popular Artists") must use a google font from the sans-serif category whose name begins with either your first or last name. Be sure to use the appropriate `<link>` for the fonts.

3. Project 3 at the end of chapter 5 (pages 228-9) provides instructions/guidance for implementing this layout in Bootstrap. The various labels in the diagram refers to the class names within bootstrap.

4. The links for home must go to `assign2-index.html`, About us to `assign2-about.html`, Art Works to `assign2-work.html`, Artists to `assign2-artists.html`, and Art gallery to `assign2-gallery.html`. Use these same links for the other pages.

5. Notice the form in the bottom right of the footer. This must be a functioning form in that it must use http://www.randyconnolly.com/tests/process.php as its action.

6. The search at the top right side of the page should be dealt with via jquery and alert boxes.

Main row | col-md-10 | col-md-2

Nested row | col-md-5 | col-md-7

navbars

Input group

Media objects

Panels

Nested row

Thumbnail

Glyphicons

Button groups

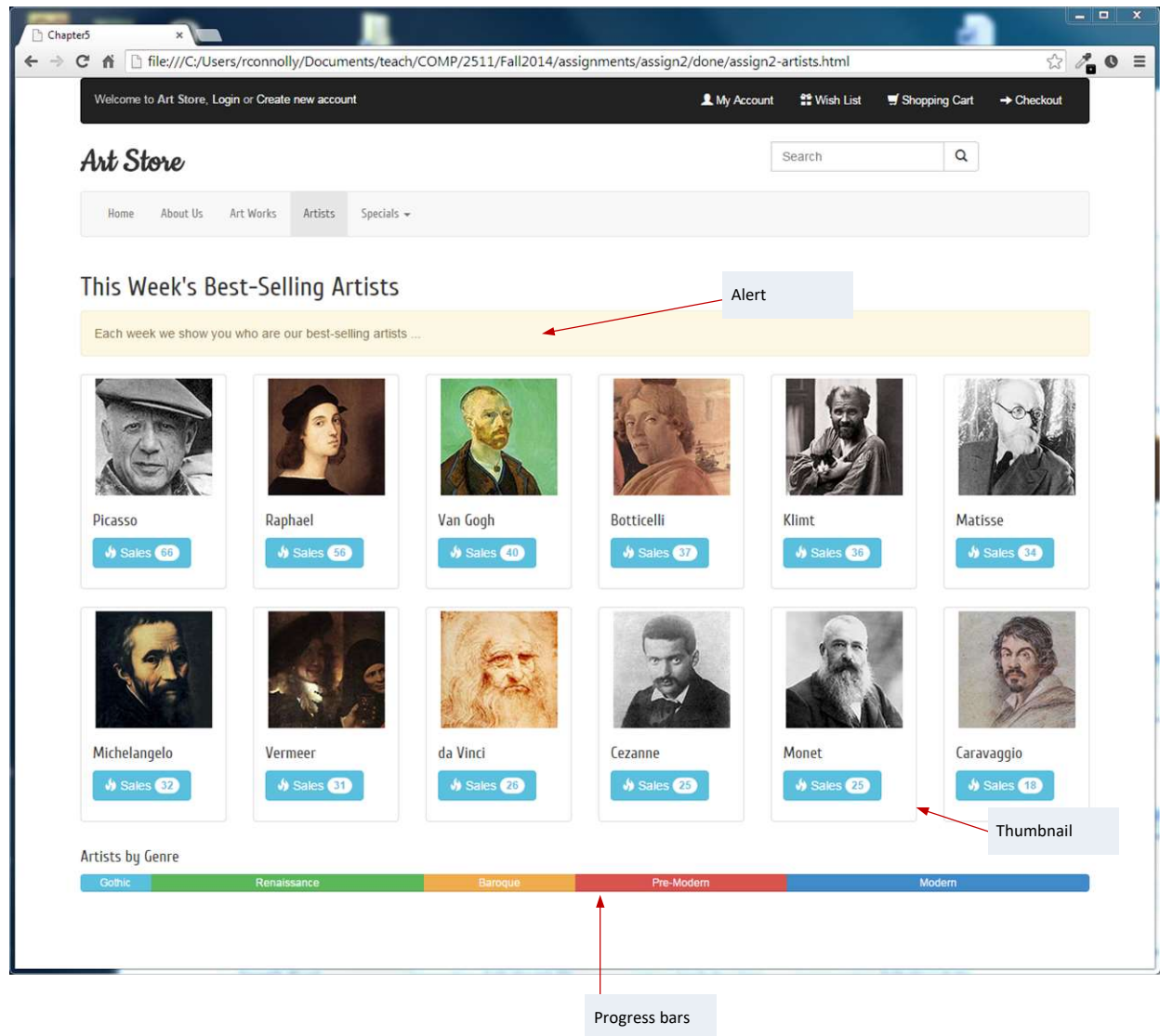footer row with four col-md-3

Media objects

Functional Requirements: Page Two

1. This file **must** be named `assign2-about.html`.

2. The search form (here and elsewhere in this assignment) must use http://www.randyconnolly.com/tests/process.php as its action. Be sure to name the form elements as shown in the screen capture below.

3. Notice the background image for the jumbotron (this is the name of a class within bootstrap) element; you will have to use an image editor to shrink this image to the appropriate size.

4. Contains a tool to capture purchaser's data: name, address, phone numbers, other data (array augmented by purchases (put at least one past purchase in the array)) using jquery.
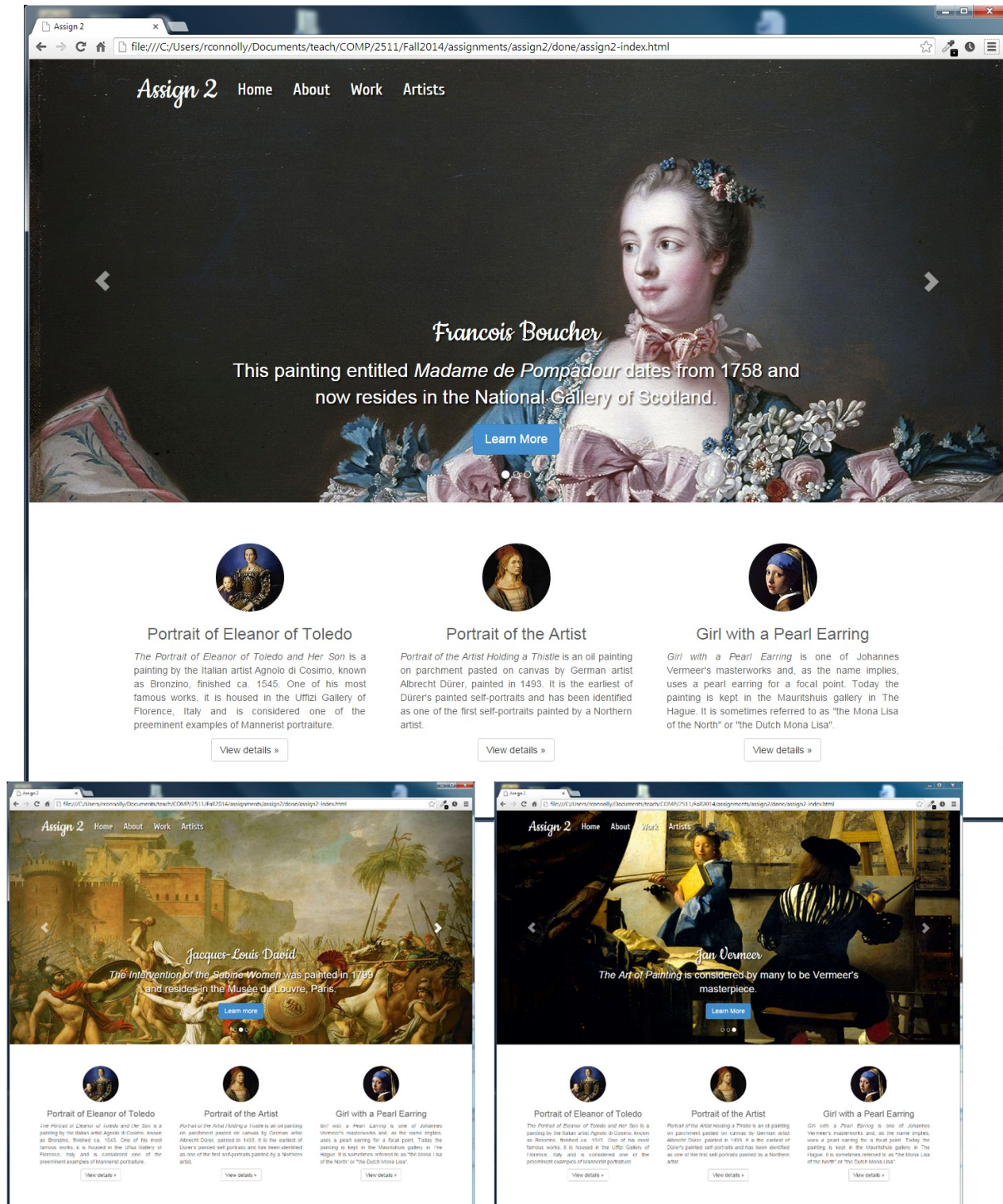
Functional Requirements: Page Three

1. This file **must** be named `assign2-artists.html`.

2. Use the classes as shown in the diagram below.

Functional Requirements: Page Four

1. This file **must** be named `assign2-index.html`.

2. Use the Carousel layout already provided in the Getting Started section of the Bootstrap documentation. There are three slides in the carousel. You will have to crop and resize the provided images. You can find the exact text for each carousel slide in the provided screen capture image files.

Functional Requirements: Page Five (Art Gallery)

A. This file **must** be named `assign2-gallery.html`.

B. Use the Carousel layout already provided in the Getting Started section of the Bootstrap documentation. There are ten slides about 10 works on exhibition in the carousel. You will have to crop and resize the provided images. You need to research and write about the 10 exhibits. Carousel should default to the central work (item 1) of the current exhibition. Exhibits are not for sale.

C. You will need to modify the navbar (site wide) to add a link to the gallery page.

D. You will need to add a membership tool to invite and store data about members (name, email, interests (surrealism, impressionism, etc… Such that they are invite when a new relevant exhibition is held) using jquery.