ITP 303: Full-Stack Web Development
Fall 2017 Practical Midterm

Time: 80 minutes
This is a NO INTERNET exam. You may refer to your notes, lectures, & assignments.

Submission

1. Submit all your files on Blackboard under *Assignments → Midterm: Practical*.
2. You have unlimited submission attempts – only the latest submission will be graded.
3. Submission closes at 3:25PM; no submissions will be accepted after this time.

Overview

For this section of the exam you will create a simplified layout of USC Bookstore's homepage. Users will also add products to the shopping cart. Following files are included:

1. `completed.png`   Screenshot of the completed exam.
2. `content.txt`   Content for the website.
3. `img` folder   All images for the website.
4. `open-sans` folder   Font for the website.
5. `midterm.html`   HTML file with completed header and footer.

General Guidelines

General

1. Replicate `completed.png` screenshot.
2. Font used throughout the <u>entire page</u> is located in `open-sans/OpenSans.ttf`.
3. Use margins and paddings where applicable.
4. Use heading tags where applicable.
5. Use correct HTML code (include all required attributes, closing tags, etc.).
6. You can add / modify any HTML, CSS, or JS code.

Catchphrase

1. Catchphrase section stretches across entire width of the browser.

2. Catchphrase text is centered on the page.

Banner
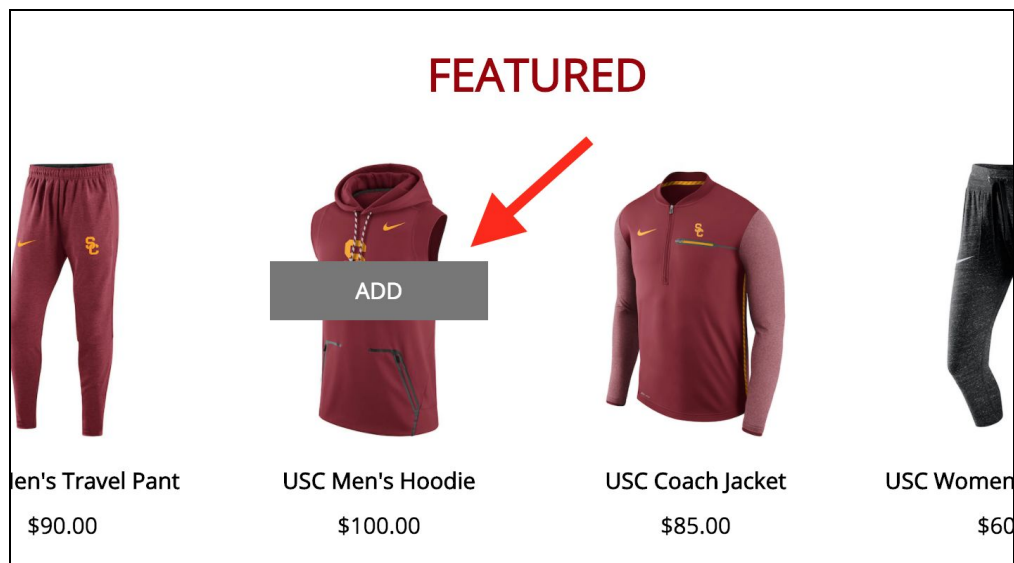
1. Banner stretches across entire width of the browser.

2. *CARDINAL AND GOLD* text is on top of the banner.

   a. Text is capitalized and bolded.

   b. *CARDINAL* is on the first line,

   c. *AND GOLD* is on the second line.

Columns

1. The container for this section has width of 900px.

2. Infoboxes are stacked horizontally, creating a 3-column layout.

3. Each infobox has an image, title, and description.

   a. Title is bolded.

4. All text is centered.

5. Add margins in between each infobox so they do not touch.

6. Ensure all infoboxes fit within 900px container.

Featured

1. The container for this section has width of 900px.

2. "FEATURED" title is capitalized, bolded, and in `#900` color.

3. Products are stacked horizontally, creating a 4-column layout.

    a. Products are dynamically populated from provided `featuredList` array. See JavaScript requirements below.

4. Each product has an image, name, and price.

    a. Product name is bolded.

5. All text is centered.

6. Add margins in between each product so they do not touch.

7. Ensure all products fit within 900px container.

8. When users hover over a product, show a hyperlink/button "ADD" on top of the product image.

9. Hyperlink is rectangular, has background color set to `#777`, and font color set to `#FFF`.

JavaScript

1. All featured products are <u>dynamically</u> displayed using JavaScript from provided `featuredList` array.

   a. Do <u>not</u> hard-code featured products in HTML.

   b. Use `.toFixed(2)` to display prices as decimals.

   c. For example:

   ```
   var num = 1.23;

   console.log( num.toFixed(2) );
   ```

2. When user clicks on "ADD" button, update cart section in the header with correct number of items and total price.

3. For example:

   a. When user clicks on *USC Men's Travel Pant* for the first time, cart should should update to *(1) $90.00*.

   ct   🛒 (1) $90.00

   b. Then, when user clicks on *USC Women's Gym Pant*, cart should update to *(2) $150.00*.

   ntact   🛒 (2) $150.00