

## **Exam 2      IT483/ IT 583      Due: 11/13/19 @ 9:55am**

### **Description:**

For this take-home exam, you need to develop an application that accepts an order from the user.

### **General guidelines**

- Since all of you have enough knowledge of HTML and CSS that was covered before exam 1 day, you are required to create the applications from scratch, therefore, you will be provided with only the images for the applications and (the CSS file is *complimentary provided* 😊).

### **User interfaces**

- You should think of the user interfaces that are shown for the exam as starting points. If you can improve on them, especially to make them more user-friendly, by all means, do so, I will provide 2 points bonus for User Interface improvement.

### **Top-down development**

- Always start by developing a working version of the application for this exam. That way, you'll have something to show for your efforts if you run out of time. Then, you can build out that starting version of the application until it satisfies all of the specifications.

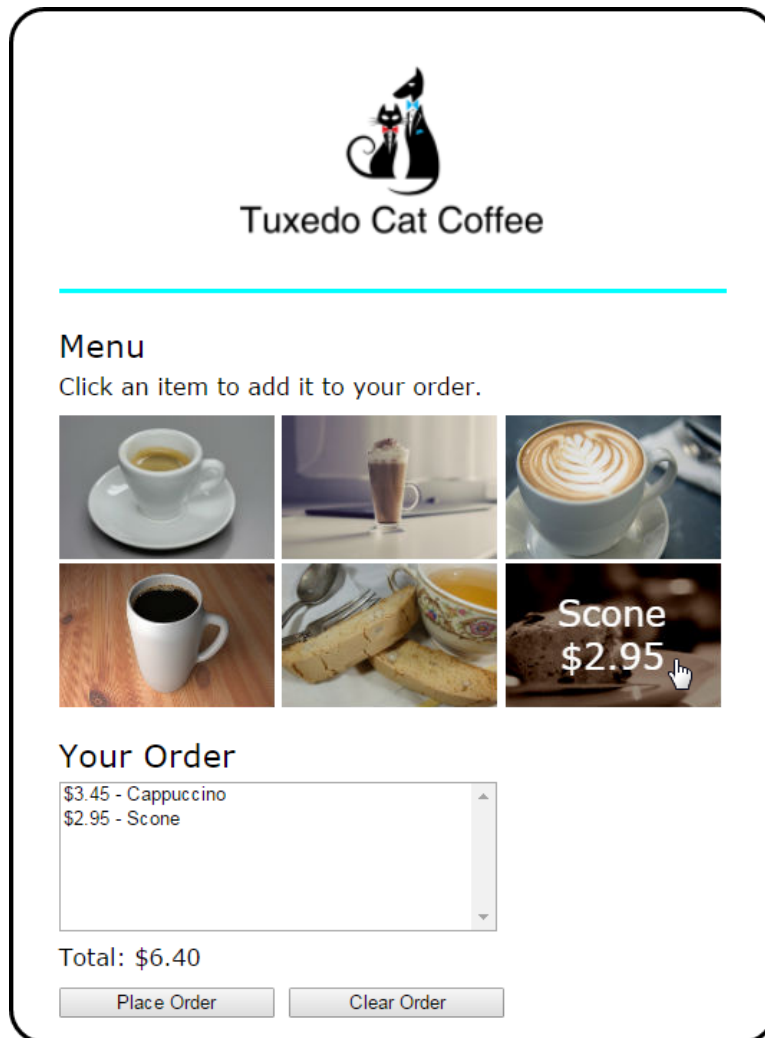
### **Files for Submission**

- Your submission should include the following files:
  - **HTML files:** Index.html and checkout.html (students need to create)
  - **Javascript file** named **cafe** (students need to create)
  - **CSS file** (provided by the instructor)
  - **13 images** (provided by the instructor)

## Create the Order application

For this take-home exam, you'll create an application that allows the user to place an order at a fictitious coffee shop named Tuxedo Cat Coffee.

### User interface



### Specifications

- When the user hovers the mouse over one of the images in the menu, another image should be displayed with the description and price of the item. The id attribute of each image identifies the image to be displayed when it's rolled over. (10 points)
- The rollover images should be preloaded. (10 points)
- When the user clicks on an image, the order list and order total should be updated and displayed. (10 points)
- If the user clicks the Place Order button, the checkout.html page should be displayed. (10 points)
- If the user clicks the Clear Order button, all of the items should be removed from the order list and the total should be cleared. (10 points)
- You are required to use HTML and JavaScript coding. When the instructor starts grading your exam, he will check your code primarily for the coding of JavaScript

and the two HTML files, which means even if your program does the job but the student did not use the JavaScript and HTML coding he or she might get zero for the test.

**Submissions:**

- Download the exam zip file from D2L, start working on the exam.
- Once you are done, all submissions should be in the form of zip files. To do so, gather all your files into one folder, zip them and submit the *.zip* file to D2L dropbox (You can use 7zip). Your folder must have a name “student lastname\_Exam2\_IT483”, e.g. Alkhushayni\_Exam2\_IT483
- Each student should demo his/her solution. You should expect the instructor to ask questions while demoing. Demoing dates will be discussed in our Wednesday class.