

CS 6314, Fall 2018
Dr. Mithun Balakrishna
Homework 3
Due October 28th, 2018 11:59 pm

A. Submission Instructions:

- Submit your solutions via eLearning.
- Please submit a single zip file with the following files:
 - Source code/script file(s).
 - A ReadMe file with instructions on how to run/access the homework.
- Late Submission Penalty:
 - up to 2 hours late — 10% deduction
 - 2 - 4 hours late — 20% deduction
 - 4 - 12 hours late — 35% deduction
 - 12 - 24 hours late — 50% deduction
 - 24 - 48 hours late — 75% deduction
 - more than 48 hours late — 100% deduction (zero credit)

B. Problems:

1. Front-End for a Website (100 points)

Please design a prototype front-end using responsive web design. The following features are required:

- a. **(25 points)** Use of a responsive web design framework: Your prototype website should use the HTML/CSS design templates from Bootstrap (<http://getbootstrap.com/>). Bootstrap is a free and popular HTML, CSS, and JS framework for developing responsive and mobile-first websites efficiently.
- b. **(50 points)** Your prototype website should have the following pages:
 - i. Initial homepage with an image slider of three (3) or more different images. Clicking on any of the images in the slider should direct the user to the following webpages related to that image in a new tab:
 1. User's profile information page
 2. User's orders summary page
 3. Page where a user can post items:
 - a. Specify item title
 - b. Specify item description
 - c. Specify initial/minimum bidding price
 - d. Select an available auction date and time
 - e. Upload item photo

- ii. A navigation bar to navigate to the following pages:
 1. Home Page
 2. User's profile information page
 3. User's orders summary page
 4. Page where a user can post items:
 - a. Specify item title
 - b. Specify item description
 - c. Specify initial/minimum bidding price
 - d. Select an available auction date and time
 - e. Upload item photo
 5. Contact Us Page
- iii. In your Home page, using JavaScript/JQuery, for appropriate HTML/HTML5/CSS element(s)/attribute(s), perform the below specified effect(s) when the specified event is triggered:

	Event	Effect
1	Click	Element(s) Hide, Show, and Hide/Show toggle
2	Dblclick	Element(s) FadeIn, FadeOut, FadeTo, FadeToggle
3	Mouseenter	Animate CSS with an alert popping a "Done!" message at the end of the animation
4	Mouseleave	Stop effects that were started with the Mouseenter event, however the alert stating the "Done!" message should still be shown
5	Keypress	Chain three (3) fading events
6	Keydown	Chain three (3) animate events

- c. **(25 points)** The "User Order Summary Page" should contain a table with the following display and functionality:
 - i. User orders should be displayed in a sortable table (i.e. allowing results to be sorted on any column)
 - ii. Orders filtering capabilities on item attributes