**Homework 8: eBay Item search using its API, Bootstrap, JQuery, AJAX and JSON Mashup**

Total points: 10 points

**Basic Search Form (1.5 point in total)**

* The initial webpage with all form fields as described, Clear Button and a Search button (0.75 point)
* jQuery validation for the search input(0.75 point) (i.e. a text-input is circled with red border and the appropriate message appears when invalid)

**Result Display (8.5 points in total)**

* Result header (0.25 point)
* List of Items (6.5 points)
  + Image thumbnail (0.25 point)
  + Image modal properly displayed (0.5 point)
  + Item header with url hyperlink to the title (0.25 point)
  + View Details (2 points)
    - On expand shows item details and collapses on clicking again (0.5 points)
    - Basic Info Tab with proper display of result (0.25 point)
    - Seller Info Tab
      * Information display (0.25 point)
      * Proper Glyphicon usage for Top Rated field (0.25 point)
      * Hyperlink store name with its URL (0.25 point)
    - Shipping Info Tab
      * Information display (0.25 point)
      * Proper Glyphicon usage for relevant fields (0.25 point)
  + Facebook button (2 points)
    - Authorize the user to Facebook if the user is not already logged in (1 point)
    - Post the property information to a user’s News Feed
      * Item title, Item price and shipping cost, Item location (0.25 point)
      * Item gallery image (0.25 point)
      * Working Link to item details on eBay page (0.25 point)
      * Successful/Failed Message after posting (0.25 point)
  + Pagination (1.5 point)
    - Appropriate set of results displayed on click of a page index (0.5 points)
    - Previous and next clicks work appropriately (0.25 point)
    - Active page number shown as a highlighted box (0.25 point)
    - On click on a page number after a multiple of 5, the set of pages on pagination bar are revised and appropriate page is shown active (0.5 point)
* If no results related to the searched property, show “No results Found.” (0.25 point)
* Make the page responsive to mobile devices. (1.5 points)
  + Make the search form responsive to mobile devices (0.5 point)
  + Make the result display responsive to mobile devices (0.75 point)
  + Make the image modal responsive to mobile devices (0.25 point)

**Use of AWS**

* PHP script must be deployed on AWS. Implementing the assignment by using the Apache+PHP on cs-server.usc.edu instead of the AWS Elastic Beanstalk, will result in a penalty of **2 points**. To allow the graders to perform this test, an additional link should be added to the list of Homeworks, with a format similar to the following:

http://default-environment-randomstring.elasticbeanstalk.com/?***[listing the parameters and sample values is mandatory]***

This link would guide graders to a page where it displays the JSON data wrapped in your PHP file running on the Amazon AWS.

Additional Requirements:

* The program must work in Firefox.
* All the results should be displayed in the same window as the search form.