

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)
 - o Image thumbnail (0.25 point)
 - o Image modal properly displayed (0.5 point)
 - o Item header with url hyperlink to the title (0.25 point)
 - o 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)
 - o 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)
 - o 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)
 - o Make the search form responsive to mobile devices (0.5 point)
 - o Make the result display responsive to mobile devices (0.75 point)
 - o 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/?\[listing the parameters and sample values is mandatory\]](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.