

## Homework #8: Property Search using Zillow & Bootstrap, JQuery, and Facebook Mashup

Total points: 10 points

### **Basic Search Form (1 point in total)**

- The initial webpage with two text-input fields and a drop down list (for street, city and state) and a Search button (0.5 point)
- jQuery validation for the search input(0.5 point)

### **Display dynamic area Information (7 points in total)**

- Basic Info tab (*4 points in total*)
  - o Show property information correctly (1 point)
  - o Property address link works (0.5 point)
  - o Up/down arrows (0.5 point)
  - o Facebook button
    - 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
      - Property address, Last Sold Price and 30 Days Overall Change (street, city, state and zip code)(0.25 point)
      - Historical Zestimate chart image (0.25 point)
      - Working Link to property details on Zillow page (0.25 point)
      - Successful/Failed Message after posting (0.25 point)
- Bootstrap Carousel (*2 points in total*)
  - o Use of Bootstrap Carousel to show three Zestimate charts correctly. (0.5 points)
  - o Click on left/right button, chart switches correspondingly (0.5 points)
  - o Explanation for each charts shows correctly (appropriate position and property address) (0.5 points)
  - o Page indicator shows in the correct position (0.5 points).
- If no results related to the searched property, show "No exact match found--Verify that the given address is correct." (0.5 point)
- Proper Page background image (0.5 point)

### **Bootstrap Components Style and Responsive to Mobile Devices (2 points in total)**

- Use of Bootstrap validation states style with jQuery validation to give validation information (i.e. a text-input is circled with red border and "This field is required" label appears under the text-input when it is empty) (0.5 point)
- Change of default Bootstrap component style to simulate that in the description of HW#8 (0.5 point)
- Make the page responsive to mobile devices.
  - o Make the search form responsive to mobile devices (0.2 point)
  - o Make the table in Basic info tab responsive to mobile devices (0.4 point)
  - o Make the charts in Carousel responsive to mobile devices (i.e. when viewing the carousel on a pad (or other devices that has narrow width the charts should fill the whole tab) (0.4 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/?streetInput=2636%20Menlo%20Ave&cityInput=Los%20Angeles&stateInput=CA> *[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. No back button should be used to enter a second search. If a back button is required to go back to the original page between searches or if a second page is needed to show the results, a 3-point deduction will be made.