Homework 8: Responsive Web Design

Facebook Graph Search

(AJAX/JSON/Bootstrap/jQuery/AngularJS/Cloud Exercise)

Total Points: 10

- **Basic Search Form (1 point in total)**
  - The initial webpage with a text-input field along with a Search button and a Clear button as specified in the description - **0.5 point**
  - When Clear button clicked, the text-input and the results section are cleared – **0.25 point**
  - When search button is clicked and no keywords are entered, a message has to be displayed as specified in the description. – **0.25 point**

- **Results (5.5 point in total)**
  - All the tabs except for the favorites tab have the result table paginated – **0.5 point**
  - View Details
    - Properly display the user/page/group/event/place's posts and albums – **0.5 point**
    - When back button clicked, can navigate back to users tab – **0.25 point**
    - When favorite button clicked, can add / remove the user from the favorites list – **0.5 point**
    - If the user is in the favorites list, yellow star button should be displayed – **0.5 point**
    - The albums should be dynamic i.e. on clicking an album, photos are to be displayed – **0.5 point**
    - Each post that is displayed should have the right time and date formatting – **0.25 point**
  - Facebook post
    - Upon clicking the Facebook button, a pop up appears to post that into client's machine – **1 point**
    - A message is displayed whether the post is successful – **0.5 point**
  - All the results appear in the 'sliding' fashion – **0.5 point**
  - While the data is being fetched from the server, a progress bar has to be displayed – **0.5 point**

- **Favorites (1.5 points in total)**
  - The favorites table has the column 'type' with appropriate type for each record – **0.5 point**
  - When delete button clicked, the user/page/group/place/event should be removed from the table and favorites list local storage – **0.25 point**
  - When delete button clicked, the removed user/page/group/place/event should not be displayed with yellow star button in other pages – **0.25 point**

- o When view details button clicked, should go to the detail page of the user/page/group/place/event – **0.5 point**

- **Responsive (1 point in total)**
  - o In mobile browsers, all of the pages should be the same as screenshots provided in description document **– 0.5 point**
  - o In mobile browsers, the navigation bar should look as specified in the description **– 0.25 point**
  - o In mobile browsers, albums and posts are to be aligned in vertical fashion **– 0.25 point**

- **Use of AngularJS (1 point in total)**
  - o The whole app should be implemented utilizing Angular JS framework **– 0.5 point**
  - o The sliding mechanism has to be implemented using Angular JS framework **– 0.5 point**

- **Use of Bootstrap**
  - o The app should be implemented using Bootstrap. Implementations without Bootstrap will result in a penalty of 2 points.

- **Use of GAE/AWS**
  - o PHP script must be deployed on GAE/AWS. Implementing the assignment by using the Apache + PHP on cs-server.usc.edu instead of GAE/AWS will result in a penalty of 4 points. To allow the graders to perform this test, an additional link should be added to the list of homework, with a format similar to the following:
    - ▪ http://example.appspot.com/?[listing_the_parameters_and_sample_values]
    - ▪ Or
    - ▪ http://example.elasticbeanstalk.com/?[listing_the_parameters_and_sample_values]
  - o This link would guide graders to a page where it displays the JSON data wrapped in your PHP file running on the Google App Engine/Amazon AWS.
  - o Implementing API access to Facebook Graph API using JavaScript instead of PHP (cross-domain using the "hack", JSONP or CORS) will result in a penalty of 5 points.

- **Additional Requirements**
  - o The program must work in Firefox
  - o The window should not reload for any kind of data request. All transactions are asynchronous