

# Homework 8: Ajax, JSON and Responsive Design

## Travel and Entertainment Search

### Grading Guidelines

**Total Points: 10 + 2**

Deduction of points in each category will NOT exceed the total points of the category.

▪ **Basic Search Form (1.25 points in total)**

- The drop-down list should contain all categories - 0.25 points
- Location edit box must be disabled when choosing "Current location" radio and enabled when selecting "Other" - 0.25 points
- Both Distance and Location input boxes should have a placeholder - 0.25 points
- Validation for the search inputs and the error message(s) - 0.5 points
- The "Clear" button resets the search form to the initial state and clears the results area. - 0.5 points
- Disable and enable the "Search" button appropriately - 0.5 points
- Obtain user location – 0.25 points
- Autocomplete – 0.25 points

▪ **Results (0.75 points in total)**

- Favorites – 0.25 points
- Details search – 0.25 points
- Details button enabled and disabled appropriately – 0.25 points
- Pagination – 0.5 points
- Highlighting – 0.25 points

▪ **Place Details (5 points in total)**

- **Info tab**
  - Show every row in the table in the correct format – 0.5 points
    - Display rating correctly – 0.25 points
    - The rest – 0.25 points
  - Show "Daily Open Hours" dialog correctly – 0.5 points
    - Display days in the correct order – 0.25 points
    - The rest – 0.25 points
- **Photos tab**
  - Display photos in the correct manner – 0.5 point
  - When clicked, photos are displayed in the original size in a new page – 0.25 points
- **Map tab**

- Direction form – 1.5 point
    - Display the form correctly (including the default values) – 1 point
    - Disable and enable the “Search” button appropriately - 0.25 points
    - Autocomplete – 0.25 points
  - Map initialized correctly (center, marker) – 0.5 points
  - Street View – 0.25 points
  - Display routes and instructions correctly – 0.75 points
- **Reviews tab**
  - Dropdowns – 1 point
  - Display reviews in the correct way (including clickable names and images) – 0.5 points
- **Buttons**
  - List button – 0.25 points
  - Favorites button – 0.25 points
  - Twitter button – 0.25 points
- **Place name above tabs** – 0.25 points
- **Favorites (0.5 points in total)**
  - Display favorites in the correct order – 0.25 points
  - Deletion – 0.25 points
  - Details search – 0.25 points
  - Details button enabled and disabled appropriately – 0.25 points
  - Pagination – 0.25 points
  - Highlighting – 0.25 points
- **Progress bars, No records messages, and Error messages (0.5 points in total)**
  - Progress bars – 0.25 points each
  - No records messages – 0.25 points each
  - Error messages – 0.25 points each
- **Animation (1 point in total)**
  - Sliding – 0.5 points
  - Fade-in – 0.5 points
- **Responsive (1 point in total)**
  - In mobile browsers, all of the pages should be the same as screenshots provided in description document – 0.5 points
  - In mobile browsers, all search, favorites, and Twitter functions must work – 0.5 points
  - In mobile browsers, the animation must work – 0.25 points
- **Use of Angular**
  - Animation must be implemented with Angular. Otherwise, all points for animation will be deducted.
- **Use of Bootstrap**
  - The app should be implemented using Bootstrap. Implementations without Bootstrap will result in a penalty of 2 points.

## ▪ **Use of GAE/AWS**

- PHP/Node.js script must be deployed on GAE/AWS. 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/[path]?[list_of_the_parameters_and_sample_values]`
  - Or
  - `http://example.elasticbeanstalk.com/[path]?[list_of_the_parameters_and_sample_values]`
- This link would guide graders to a page where it displays the JSON data returned by your PHP/Node.js script running on the Google App Engine/Amazon AWS. Failing to provide a valid link will result in a penalty of 4 points.

## ▪ **Additional Requirements**

- All API requests must be made in the same way (server side or client side) as described in the homework description file. Any violation will result in a 4-point penalty.
- The window should not reload for any kind of data request. All transactions are asynchronous. Any violation will result in a 2-point penalty.
- The program must work in Chrome and Firefox on desktop, and Safari and Chrome on mobile devices

## ▪ **Extra Credits**

- We will grant 2 extra credits for using Node.js at GAE/AWS
- GAE/AWS must be set up correctly. Otherwise, no extra credit is granted.