

Homework 8: Ajax, JSON and Responsive Design

Product Search

Grading Guidelines

Total Points: 10

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

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

- Keyword, Category and Distance Placeholder - 0.25 points
- Form not displayed properly - 0.5 points
- The drop-down list should contain all categories - 0.25 points
- Zip Code edit box must be disabled when choosing “Current location” radio and enabled when selecting “Other” - 0.25 points
- Validation for the search inputs and the error message(s) - 0.5 points
- Validation for zip code - 0.25 points
- “Clear” button resets the search form to the initial state and clears results area - 0.5 points
- Disable and enable the “Search” button appropriately - 0.25 points
- Obtain user location - 0.25 points
- Zip Code Autocomplete - 0.5 points

■ **Results (1 point in total)**

- Wish List - 0.25 points
- Product clickable - 0.25 points
- Tooltip and Restricting Product Name - 0.25 points
- Details button enabled, disabled appropriately and navigate to product details for last clicked product- 0.25 points
- Pagination - 0.5 points
- Highlighting the selected row- 0.25 points
- For each missing cell/column – 0.25 points

■ **Product Details (5 points in total)**

○ **Product tab (0.75 point in total)**

- Show every row in the table in the specified format - 0.25 points
- Show “Product Image” modal correctly with all images - 0.5 points

○ **Photos tab (0.75 point in total)**

- Display all photos as shown in the video - 0.5 points
- Photos can be opened in a new tab - 0.25 points

○ **Shipping tab (0.75 points in total)**

- Table display information in the specified format - 0.5 points
- Ticks and crosses displayed correctly - 0.25 points

○ **Seller tab (0.75 points in total)**

- Table display information in the correct manner - 0.5 points
- Display seller popularity using circle progress bar correctly - 0.25 points
- Display Feedback Rating Star correctly - 0.25 points

- **Similar Products tab (1 point in total)**
 - Dropdowns with proper categories and disabled/enabled correctly - 0.25 points
 - Display products in the correct way (including clickable names and proper images) - 0.25 points
 - Show More/Less works - 0.25 points
 - Sort works - 0.5 points
- **Buttons (1 point in total)**
 - List button display and navigate to results/wish list properly - 0.25 points
 - Wish List button - 0.25 points
 - Facebook button – 0.5 points
- **Product name above tabs** - 0.25 points
- **Wish List (0.5 points in total)**
 - Add from search list/detail - 0.25 points
 - Deletion from search list/wish list/detail - 0.25 points
 - Display total shopping cost correctly - 0.25 points
 - Enable/Disable detail button correctly navigate to product details for last clicked product - 0.25 points
- **Progress bars, No records messages (0.5 points in total)**
 - Progress bars – 0.25 points each
 - No records messages – 0.25 points each
- **Animation (0.5 points in total)**
 - No animation - 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, wish list, and Facebook functions must work - 0.5 points
 - In mobile browsers, the animation must work - 0.25 points
- **Theme (0.5 points in total)**
 - 0.25 points will be deducted wherever dark theme is not applied.
- **Use of Angular**
 - Animation and autocomplete must be implemented with Angular.
 - Otherwise, the points of animation and autocomplete will be deducted. (0.5 * 2 = 1 point)
- **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/Azure**
 - Node.js script must be deployed on GAE/AWS/Azure. 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://xxx.appspot.com/[path]?[list_of_the_parameters_and_sample_values]`
 - Or
 - `http://xxx.elasticbeanstalk.com/[path]?[list_of_the_parameters_and_sample_values]`
 - Or
 - `http://xxx.azurewebsites.net/[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 Node.js script running on the Google App Engine/Amazon AWS/Azure. Failing to provide a valid link will result in **a penalty of 4 points**.

- **Additional Requirements**

- Most API requests must be made on **server side**. Only ip-api can be called on client side. 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.
- Please note, you need to submit your files (HTML, JS, CSS, TS), both backend and frontend, directly to the root folder of your homework 8 GitHub repository. That is, do not submit any subfolders on GitHub Classroom. If you submit some subfolders, you will receive a 3-points penalty.