Homework 6: Server-Side Scripting using Python, JSON and Yelp Fusion API

Grading Guidelines

Graders will test your homework on Firefox and Chrome.

Grading Guidelines:

Search Form (2.5 points in total)

- The initial web page with proper fields in the search form. (**1 point**)
    - "Business Search" header with background, "Fill out the form to get business info" sub header.
    - Category should be a drop-down list consisting of all listed categories.
    - Check here checkbox and two buttons i.e., Submit and Clear.
- Validation for the search inputs and fields disabled when **check here** checkbox is checked, the error message(s) should indicate if fields are missing. **(0.5 point)**
    - If there is no error message for invalid input, 0.5 point will be deducted.
- The "Clear" button resets the search form to the initial state and clears the results area. (**1 point**)
    - For each incorrectly reset or cleared field, 0.25 point will be deducted, for a maximum deduction of 0.5 point.

Search Result Page (5 points)

Show business information retrieved from API service in a table view format as described in the homework description. **(2 points)**

- For each missing data in the table, 0.25 points will be deducted with a maximum of 1 point.
- For incorrect mismatch of data, 0.25 point will be deducted
- If on clicking header the data is not sorted, 0.5 points will be deducted for each columns functionality of sorting if not working as expected.

Show the business information retrieved from the API service in a tabular format as described in the homework description. (**3 points**)

- For each missing column in the table, 0.5 points will be deducted with a maximum of 1 point.

- For each incorrect column value or column order mismatch, 0.25 points will be deducted with a maximum of 0.5 point.
- For each incorrect format of rating & distance in the row, 0.25 points will be deducted.
- On clicking the record, it should direct to that detailed page with the right business else 0.25 points will be deducted.

Detailed Summary of Business (2.5 points)

Show the information retrieved from the API service in a card format as described in the homework description and in referral video.
- For each missing data in the card, 0.25 points will be deducted with a maximum of 0.5 point.
- Missing the right heading for the corresponding value, 0.25 points will be deducted.
- The photos should be present in the card, 0.25 points will be deducted.
- The styling of the card should be similar, 0.25 points will be deducted.
- All the subheadings should have data, 0.25 will be deducted for every subheading with no data with a maximum of 1 point.
- More info should have link opening in new tab if link is not present or doesn't open in new tab 0.25 will be deducted.

IMPORTANT

- You may call Google Geocoding API API from JavaScript, but you should not call Yelp Fusion API directly from JavaScript. Doing this will result in a **4.0 points** penalty.
- You should implement HW6 using a GCP, AWS or Azure cloud service as described in Assignment 5. Otherwise, **3.0 points** will be deducted. This will be verified with an additional link in the Table of exercises, showing a sample API call to your "cloud" service and verifying the corresponding JSON result.

- **Source code submission**
  Students should submit their source code electronically on DEN D2L as a single ZIP file containing all front-end and back-end code and any additional files. In addition, on your course homework page, you **must** update the Homework 6 link to refer to your new home page in the cloud.