Assignment 2: Server-side Scripting using Python, Flask, JSON, AJAX, and Artsy API Rubric (aka, Grading Guidelines)

Graders will test the homework using the latest version of Google Chrome.

Total Points: 10

Grading Guidelines

Page Layout (1.5 points)

- Header Bar
    - Has a header bar (0.125 points)
    - Header bar contains the "Artist Search" text on the left (0.125 points)
    - Header bar styling (colors and spacing) is correct (0.25 points)
- Footer Bar
    - Has a footer bar (0.25 points)
    - Footer bar contains the "Powered by Artsy" text with Artsy logo before Artsy (0.25 points)
    - When "Powered by Artsy" text is clicked, the Artsy homepage at https://www.artsy.net is opened. (0.125 points)
    - Footer bar styling (colors and spacing) is correct (0.375 points)

Search Bar (2.25 points)

- Search bar has a correct layout, styling and positioning (0.5 points)
- Magnifying glass and cross icons are partially transparent initially, and made opaque when hovered (0.25 points)
- Placeholder text "Please enter an artist name." is present in the input field (0.125 points)
- When the input field is clicked, whole border of the search bar is turned orange (0.25 points) (Note: If only the border of input field changes, 0.125 points)
- When the magnifying glass icon is clicked or enter is hit without an input, a tooltip with error "Please fill out this field." (native browser validation message) is shown. (0.125 points)
- The clear button on the right clears the text in the input field. (0.25 points)
- Search is functional when search button is clicked and enter button is hit (0.25 points)
- When an artist is searched, loading gif is shown in the correct place until a response arrives and is hidden afterwards. (0.25 points)
- When the response arrives, the result list is shown. (0.25 points)

Result List (3.25 points)
- Result list contains the first 10 artists from the Artsy Search page (or less, if there are less artists displayed on Artsy Artist search page: https://www.artsy.net/search/artists?term=picasso) (1 point)
- Result card images have white circular borders (0.125 points)
- Artsy logo is shown as an artist image if the artist does not have an image. (0.25 points)
- Result cards have correct styling (colors and spacing) (0.25 points)
- Result cards have correct positioning (margins) (0.25 points)
- Result list have correct styling and positioning (horizontally scrollable, centered) (0.25 points)
- Artist names have correct styling (0.125 points)
- Result card background color changes when hovered (0.125 points)
- When a result card is clicked, loading gif is shown in the correct place until a response arrives and is hidden afterwards. (0.25 points)
- When a result card is clicked, its background is set to darker blue and any other card's background color is set to original blue (0.25 points).
- When the response arrives, artist details are shown (0.125 points)
- When the search results are empty, a box containing text "No results found." is shown (0.25 points)

Artist Details (1 point)
- Artist name is shown correctly (0.25 points)
- Artist birth and death dates are shown correctly (0.25 points)
- Artist nationality is shown correctly (0.25 points)
- Artist biography is shown correctly (0.25 points)

Different Use Cases (2 points)
- When the user clicks on another search result while the details of another one are being shown:
  - Existing details are hidden (0.25 points)
  - Loading gif is shown in the correct place until a response arrives and is hidden afterwards (0.125 points)
  - The background color of the newly selected card is set to darker blue, background color of all other cards are set to original blue (0.125 points)
  - The details of the newly selected artist are shown correctly (0.125 points)
- When the user searches for a new artist while the details of an artist are being shown:
  - Existing details are hidden (0.25 points)
  - Existing result list is not hidden until a response arrives (0.125 points)
  - The background color of the currently selected artist will not be changed until a response arrives (0.125 points)
  - Loading gif is shown in the correct place until a response arrives and is hidden afterwards (0.125 points)
  - The result list is replaced with the new results once the response arrives (0.25 points)
- When a user searches a new artist using the search bar while search results are being shown without any details:
  - Existing result list is not hidden until a response arrives (0.125 points)

- - Loading gif is shown in the correct place until a response arrives and is hidden afterwards (0.125 points)
  - The result list is replaced with the new results once the response arrives (0.25 points)

Point Reductions

- Not using GCP App Engine (or appspot.com subdomain) for both frontend and backend parts (-3 points)
- Frontend directly connects to Artsy instead of backend (-4 points)
- Bootstrap or any other CSS framework/library is used (except reset.css or alternatives) (-4 points)