

# Homework 8: Angular, TypeScript, Bootstrap, Responsive Design, JavaScript in Server Side, Node.js, Express, AJAX, JSON, and Artsy API Grading Guidelines

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

**Total Points: 15**

## Grading Guidelines

### Page Layout (1 point)

- 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 (0.125 points)
- Footer Bar
  - Has a footer bar (0.125 points)
  - Footer bar contains the “Powered by Artsy” text with Artsy logo before Artsy (0.125 points)
  - When “Powered by Artsy” text is clicked, Artsy homepage at <https://www.artsy.net> is opened. (0.125 points)
  - Footer bar styling (colors and spacing) is correct (0.25 points)

### Search Form (1.75 points)

- Search form has a correct layout, styling and positioning. (0.125 points)
- Search button is disabled initially, is enabled when input is entered and is disabled again when input is removed. (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, border changes correctly. (0.125 points)
- The clear button resets the page. (0.5 points)
- Search is functional when search button is clicked and enter button is hit. (0.125 points)
- When an artist is searched, spinner is shown in in the search button until a response arrives and is hidden afterwards. (0.375 points)
- When the response arrives, result list is shown. (0.125 points)

### Result List (2.25 points)

- Artsy logo is shown as artist image if the artist does not have an image. (0.125 points)
- Result cards have correct styling (colors and spacing). (0.25 points)

- Result cards have correct positioning (margins). (0.125 points)
- Result list have correct styling and positioning (horizontally scrollable, centered). (0.375 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, spinner is shown in the correct place until a response arrives and is hidden afterwards. (0.375 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. (0.25 points)
- When the search results are empty, error containing text "No results found." is shown. (0.25 points)

#### Artist Details Tabs (0.5 points)

- Artist Info and Artworks buttons have correct styling and positioning. (0.25 points)
- Artist Info and Artworks buttons are functional. (0.125 points)
- Active tab's button's background color is set correctly. (0.125 points)

#### Artist Details: Artist Info (0.5 points)

- Artist name is shown correctly. (0.125 points)
- Artist birth and death dates are shown correctly. (0.125 points)
- Artist nationality is shown correctly. (0.125 points)
- Artist biography is shown correctly. (0.125 points)

#### Artist Details: Artworks (2.5 points)

- When artist does not have any artworks, error containing text "No artworks." is shown. (0.25 points)
- Artwork cards have correct styling. (0.25 points)
- Artwork cards have correct positioning. (0.25 points)
- Categories buttons open the modal for categories for the corresponding artworks. (0.25 points)
- Spinner is shown in the content section of the categories modal while the data is being fetched, and the spinner is hidden after the response arrives. (0.25 points)
- Categories modal title styling is correct (image, name, date) (0.25 points)
- Category cards have correct styling. (0.25 points)
- Category cards have correct positioning. (0.25 points)
- Categories modal has a close icon on top right, which closes the modal when clicked. (0.125 points)
- Categories modal closes when somewhere outside of it is clicked on the page. (0.125 points)
- If an artwork does not have a category, an error containing text "No categories." Is shown. (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)

- Spinner 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 (0.25 points)
- When the user searches for a new artist while the details of an artist are being shown:
  - Existing details are not hidden (0.125 points)
  - Existing result list is not hidden (0.125 points)
  - The background color of the currently selected artist will not be changed (0.125 points)
  - Spinner of the search button 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 (0.125 points)
  - Spinner of the search button 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)

#### Responsive Design (3.5 points)

- The design of the website is as shown in the reference video and the screenshots in mobile view for Pixel 5. (1.75 points)
- All functionalities of the web page work in the mobile view correctly for Pixel 5. (1.75 points)

#### Deployment (1 point)

- Homework is deployed to GCP (1 point)

#### Point Reductions

- Frontend directly connects to Artsy instead of backend (-4 points)
- Bootstrap is not used (-4 points)
- Frontend is not implemented in Angular (-4 points)
- Backend is not implemented in Node.js (-4 points)