

Homework 8: Ajax, JSON, Responsive Design and Node.js

USC Films

(AJAX/JSON/HTML5/Bootstrap/Angular /Node.js/Cloud Exercise)

Grading Guidelines

Total Points: 15

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

- **Navbar (2 points in total)**

- The styling, highlighting and hover effect of the navbar should be similar to the reference video, **0.5 points** will be deducted otherwise.
- The positioning of each element should be as shown in the reference video, **0.25 points** will be deducted otherwise.

- **AutoComplete**

- The placeholder value and the auto suggesting values should be displayed similar to the reference video; **1 point** will be deducted otherwise.
- Poor performance of Autosuggest will result in a deduction of **0.25 points**.

- **Footer (0.5 point in total)**

- Footer must stay at the bottom of the page even if the page size is less than 100vh with the appropriate footer sentence, **0.5 points** will be deducted otherwise.

- **Routing (1 point in total)**

- If routes in address bar are not as shown in screenshots and videos, **1 point** will be deducted.

- **Home Page/ Home Route (3.5 points)**

- Configuration of all the carousels on the home page should be similar to documentation screenshots and reference video. **(1.25 points)**
- Styling of each movie/TV show card shown should be similar to documentation screenshots and reference video. **(1.75 points)**

- In the Continue Watching section, data should be displayed in correct order if present as shown in documentation screenshots and reference video. **(0.5 points)**

- **Details Route (5 points in total)**

- Styling of Details Route must be same as shown in video and screenshots, **2 points** will be deducted otherwise.
- Add movie/TV show to watchlist - **0.25 points**
- Adding and removing a movie/ TV show from watchlist from Details Route should display auto closing alert message - **0.25 points.**
- Share functionality should work as expected and mentioned in documentation/ shown in reference video - **0.5 points.**
- After clicking on any cast or crew member's card from the list, modal view should open with desired results as shown in documentation screenshots and reference video - **1.0 point.**
- Make sure all the review cards have profile picture or avatar of the reviewer (use placeholder image in case not present) - **0.25 points.**
- Content for each review should be limited to 3 lines - **0.25 points.**
- Recommended and similar movies/TV shows styling should be as shown in documentation screenshots and reference video - **0.5 points.**

- **Watchlist Route (1 point in total)**

- Clicking the movie/TV show card from the watchlist, if any, should redirect to the details route of that specific movie/TV show - **0.25 points**
- Styling of the watchlist card should be similar to the reference video, **0.5 points** in total.
- If watchlist is empty, display alert message – **0.25 points**

- **Responsive (2 points in total)**

- In the mobile browser, navbar, footer and all routes should be the same as the screenshots provided in the description and the reference video, **1 point** will be deducted otherwise.
- In the mobile browser, all functionalities must work normally, **1 point** will be deducted otherwise.

- **Use of ng-Bootstrap**

- This app should be implemented using ng-bootstrap. Implementations without Bootstrap or using any other package for bootstrap will result in a **2-point penalty.**

- **Use of @angular/youtube-player**

- All the Youtube videos must be displayed using this package.
Implementing without it will result in **2-point penalty**.

- **Use of GAE**

You should implement HW 8 using GCP cloud server as described in HW 7. Otherwise, 4 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. 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. Failing to provide a valid link will result in a **4-point penalty**.

- **Additional Requirements**

- The entire assignment is to be implemented using Angular 8+, Node.js, Express.js, @angular/youtube-player and ng-Bootstrap. Use of other technologies (unless allowed on Piazza) will result in a **5-point penalty**.
- **The use of jQuery is allowed, with no penalty.**
- All API requests should be made server-side, as outlined in the homework description. Any violation will result in a **3-point penalty**.
- The window should not reload for any kind of data request (like adding to watchlist or removing from watchlist). We mainly focus on building and implementing routes in single-page applications. Refreshing the page will result in a **3-point penalty**.
- The program must work in Chrome on Desktop and mobile devices.