

GameAnalytics Frontend Coding Challenge

The purpose of this exercise is to better understand both your programming skills and the way you approach problems and implement solutions.

We would like you to build a small single page application that implements a movie catalog. In this application the user should be able to:

- See a list of the new movies - (released in the last 3 months)
- Search for a particular movie
- Favorite a movie and filter by favorite movies
- Sort by: vote value

You should spend no more than *3 hours* on this exercise.

You should follow the design below as a guideline:

<https://scene.zeplin.io/project/5e173ffdcbb745a93f99bb74>

Requirements

- The user should be able to see a list of movies posted in the API. (The movies should be sorted by the 'vote_average' attribute)
- The user should be able to use the search input to look for a movie by name. (Use the API to query the movies)
- There should be a way for the user to favorite a movie from the list. (You may use the local storage for this feature)
- The user should be able to filter by: All Movies, New Movies, Favorite Movies
- The user should be able to sort by Vote Score

Guidelines

- The exercise should be done with no framework. It should be done using plain html, css and ES6 javascript. (To interact with the API the "fetch" api can be used)
- No usage of pre processors, like Webpack
- Document your code clearly
- Separate you HTML, CSS and Javascript code in different files
- We value code quality. Use consistent and clean styles across the codebase
- Provide clear instructions on how to build and run tests

What we will be evaluating

The idea of this exercise is to give you the opportunity to show your abilities and so we can see how you deal with day to day problems, so we will be checking for these points:

- Dom manipulation and how it is updated when the data changes
- How the user interactions are handled in the application

- Code quality and consistency
- How the design is implemented and the CSS code
- How asynchronous code is handled within the API calls
- Testing
- Documentation
- Git usage

Resources

- The Movie Database (TMDb) <https://developers.themoviedb.org>
- Design mockups: <https://scene.zeplin.io/project/5e173ffdcbb745a93f99bb74>

Submitting

We would like you to use source control when working on the exercise.

Please create a repository and commit often, and then share the repository using a source control service (Github, Gitlab, Bitbucket) or simply compress the whole repository and send it to us over email.

Please let us know if you have any questions, and good luck!