

Percepta Coding Challenge: Movie List

Overview

For this challenge you will be creating a simple web application that uses OMDb API to search for a movie, allows users to add movies to a personal list, and allows users to mark a movie as watched or not. It is similar to how a Percepta user may review a potential shoplifting incident.

You should use the same practices implementing this challenge as you would for any professional code you write. You may use any JavaScript framework or library to complete it.

The coding test is up to 2 hours and you might not finish. If you don't that's okay, you will be evaluated based upon the evaluation criteria instead of project completion.

Preparation

Before arriving, we ask that you bootstrap an application using your favorite framework (React, Angular, Vue, etc) and configure testing (Jest, Jasmine, Mocha, etc). Please also get an API key from the [OMDb API](#) and bring it to the interview for API calls.

Please push this setup to public version control (Github, Bitbucket, etc) and email your contact a link to the repo.

You should be able to run your code locally and view an empty page in the browser. All other project work will be performed during the paired programming exercise on site.

Interview

You will be pair programming in order to complete the following:

1. Print an OMDb search query as a list of movies on a single page
2. Add movies from a query to a list on a page
3. Allow users to mark a movie in their list as watched/not watched

DISCLAIMER: If you take longer than 40 minutes on a single task, we may end the test early, as you may not have enough time to finish.

Testing

Please write the following tests to demonstrate code integrity with the least amount of code. Mocks, substitution, and other techniques are completely valid.

- Certify an HTTP call is made
- Clicking a button triggers intended functionality
- Verify that movie data is printed in the DOM from a returned call

Resources

You're allowed to use search engines and tools such as Stackoverflow during the coding exercise. The goal here is to demonstrate how you work on a project.

Evaluation

Candidates will be evaluated on the following criteria and how they approach it. While you're coding we encourage you to walk us through your thought process as it will play a large part in your scoring.

- Initial project setup
- Usage of JavaScript in relation to a production environment
- API Consumption
- Finalized code architecture
- Ability to work with your selected framework and tools
- Communication with code pair members
- Quality of written tests