

Ensemble Developer Code Sample Submission

We believe one of the best ways to assess a developer's ability and skillset is to center it around a code sample. The code sample can either be a prior personal side project or implementation of one of the two projects below.

Personal Side Project

- Must include usage of one of the following tech stacks
 - React
 - Angular
 - Vue
 - Android
 - Native (Java or Kotlin)
 - React Native
 - Flutter
 - iOS
 - Native
 - React Native
 - Flutter
 - Any programming language, framework and database is allowed for backend
- Code must either be owned by you or open source

Project - App

Implement an app that can search OMDB for movies. The app can be implemented in any of the following tech stacks

- Web
 - React
 - Angular
 - Vue
- Android
 - Native (Java or Kotlin)
 - React Native
 - Flutter
- iOS
 - Native
 - React Native
 - Flutter

Technical Requirements

- Search results must come from OMDB API
 - Documentation: <http://www.omdbapi.com/>
 - Free API key: <http://www.omdbapi.com/apikey.aspx>
- Each search result should display poster, title, year of release and a button. Clicking the button should do nothing but it should support displaying a label
- Updates to the search term should update the result list

Project - Backend

Implement an API to manage, search and like/dislike movies. The backend can be implemented in any programming language and use any frameworks.

Technical Requirements

- REST or GraphQL
- Support to create, read, update, and delete movies

- Support to search movies by title
- Support to anonymously like/dislike a movie
- Each movie supports title, description, release year, duration, rating
- Integration with SQL based database

Timeline

- Please refer to the accompanying email

Submission

- Link to repo on GitHub, BitBucket or Gitlab. If you want to keep the repo private then ask for the account name that should be added for access
- Link to zip package on Google Drive, Dropbox or other cloud file sharing service