



Vi Coding Assignment

Background

At Vi, we really like Marvel... REALLY REALLY LIKE Marvel.

Did you know that there are few actors who played 2 different leading roles in Marvel movies?

We're not sure who those actors are, and you're going to help us find out!

The assignment

We will need a web server that will answer the following questions:

1. Which Marvel movies did each actor play in?

Api definition: [GET] /moviesPerActor

Response structure: { actorName: [movies names] }

2. Who are the actors who played more than one Marvel character?

Api definition: [GET] /actorsWithMultipleCharacters

Response structure: { actorName: [{movieName, characterName}] }

3. Roles (characters) that were played by more than one actor?

Api definition: [GET] /charactersWithMultipleActors

Response structure: { characterName: [{movieName, actorName}] }



Prerequisites

- Your implementation should be committed to your own public git repository
- Attached is a zip file containing a skeleton for the assignment, you may use it as a base for your answer
- Also in the zip file is a list of Marvel movies & actors we're interested in
- The server will be implemented in JS and express.js
- You should expose REST endpoints that will provide answers to the questions above
- Add a README file with instructions on how to run the server and query these endpoints
- Use the following API:
 - o <https://developers.themoviedb.org/3/getting-started/introduction>
 - o api_key: **ac505a02032a33d65dd28b41f72182e1**

How will the assignment be evaluated

We're looking for these main features:

- A working implementation that fulfills the assignment given
- Scalable & performant code with extensibility in mind
- Clean, legible and verbose code
- Efficient use of modern JS and its components
- Tests are very much encouraged

Good Luck!