



# Vi Backend Engineer 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 these questions:

1. Which Marvel movies did each actor play in?
2. Actors who played more than one Marvel character?
3. BONUS – Are there 2 different actors who played the same role?

## **Prerequisites**

- The server will be implemented in JS using promises or async/await .
- You can use the following API:<https://developers.themoviedb.org/3/getting-started/introduction>
  - api\_key: **ac505a02032a33d65dd28b41f72182e1**
- You should expose REST endpoints that will provide answers to the questions above.
- Provide a README file as to how to query these endpoints.
- Your implementation should be scalable and contain a Dockerfile.
- Your implementation should be committed to a git repository.
- We've provided you with a list of Marvel actors we're interested in as a JS module:



## How will this be evaluated

We're looking for these main features:

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

```
[movie:id]: {  
  'Fantastic Four (2005)': 9738,  
  'Fantastic Four: Rise of the Silver Surfer': 1979,  
  'Iron Man': 1726,  
  'The Incredible Hulk': 1724,  
  'Iron Man 2': 10138,  
  'Thor': 10195,  
  'Captain America: The First Avenger': 1771,  
  'The Avengers': 24428,  
  'Iron Man 3': 68721,  
  'Thor: The Dark World': 76338,  
  'Captain America: The Winter Soldier': 100402,  
  'Guardians of the Galaxy': 118340,  
  'Avengers: Age of Ultron': 99861,  
  'Ant-Man': 102899,  
  'Fantastic Four (2015)': 166424,  
  'Captain America: Civil War': 271110,  
  'Doctor Strange': 284052,  
  'Guardians of the Galaxy Vol. 2': 283995,  
  'Spider-Man: Homecoming',  
  'Thor: Ragnarok': 284053,  
  'Black Panther': 284054,  
  'Avengers: Infinity War': 299536,  
  'Ant-Man and the Wasp': 363088,  
  'Captain Marvel': 299537,  
  'Avengers: Endgame': 299534,  
  'Spider-Man: Far From Home': 429617  
}
```

```
[people] = [  
  'Robert Downey Jr.',  
  'Chris Evans',
```

VI

'Mark Ruffalo',  
'Chris Hemsworth',  
'Scarlett Johansson',  
'Jeremy Renner',  
'Don Cheadle',  
'Paul Rudd',  
'Brie Larson',  
'Michael B. Jordan',  
'Karen Gillan',  
'Danai Gurira',  
'Josh Brolin',  
'Gwyneth Paltrow',  
'Bradley Cooper',  
'Tom Holland',  
'Zoe Saldana',  
'Anthony Mackie',  
'Tom Hiddleston',  
'Chris Pratt',  
'Black Panther',  
'Samuel L. Jackson',  
'Dave Bautista',

];

## Good Luck!