

## Challenge

Currently there does not seem to be any good online resource that displays the Star Wars movies in story order (Episode I-VII) as opposed to chronologically (1978-2015). Worse, they are not optionally presented in the obviously superior “Machete” order, which, as everyone knows, is the superior order to watch them.

## Requirements

- We are looking to see a working SPA that renders the main 7 Star Wars movie titles, with the associated characters in each film (under, beside, wherever looks best, up to you), and the cover art.
- The default view could show these in their story order, but enable a toggle to “machete” order.
- Enable the guest user to save their favorite movie of the 7 Star Wars movie titles.

## Technical Requirements

- Build the app with the following stack
  - *Backend*: Java / Spring Boot
    - *Provide a REST endpoint in JSON format to combine data sources and sort based by story order or chronologically defined by a query parameter*
  - *Data Store*: MySQL
    - Store the favorite movie of the guest
    - Every time anyone makes a requests to the REST endpoint, store the request history with requestor IP address, request query and timestamp
  - *Front-End (optional)*: Encourage use of ReactJS, but the language you choose to do this is completely up to you, but again not required at all
- Add a README.md file with build and run instructions

## Resources

Please use the Open Movie Database API as a source (see [www.omdbapi.com](http://www.omdbapi.com)). This API does not require authentication, and includes working examples on the site.

- API to retrieve IMBD ID and sort order of the movies: <https://mysterious-peak-27876.herokuapp.com/>
- Example of getting movie detail with IMBD ID: Front-End: Encourage the use of ReactJS, but the language you choose to do this is completely up to you
- Example Star Wars Cover Art API call (using our API key): <http://img.omdbapi.com/?i=tt2488496&apikey=57ec2f6d>

## Submission

- Push your code to a public repository such as GitHub or Bitbucket or alternatively zip the project up
- Send an email with the repo link(s) to Michelle Carlson at [mcarlson@realmatters.com](mailto:mcarlson@realmatters.com)
- If you have any technical questions, feel free to email Sri Thuraisamy at [sthuraisamy@realmatters.com](mailto:sthuraisamy@realmatters.com)