On the Frontend Dev Test

Please make sure you read the entire instruction set before commencing work. The parameters of this test are deliberately constrained and designed to take you out of your comfort zone.

Marvel provides an open API allowing users to explore their entire catalogue of comics, series, characters and relationships between those objects.

The API can be found here: http://developer.marvel.com/docs#!/public/ (you'll need to register for an API key).

Construct a JavaScript application that allows users to explore these objects and their relationships in a meaningful way.

The exact functionality is up to you. Your application might consist of some of the following:

- List of comics, ability to filter by character or series.
- Detail view of a comic including related characters and the series that comic belongs to.
- List of characters
- Detail view of a character including relevant relationships.
- Anything else you think might be interesting.

Other considerations:

- We are looking to test your modern JavaScript fundamentals & your ability to work productively with multiple different libraries in tandem.
- Visual Appeal: Select a visual framework (or apply your own styling) to make sure your application feels like a web application rather than an ASCII browser.
- Runtime Targets: Evergreen Browsers
- Build Tools: You can use any build tools (e.g. grunt, gulp, webpack) you feel are necessary but all src must be provided in a readable format.
- HTTP Server: A HTTP server may be used if you feel it is necessary.

Requirements:

- Application must respond to mobile.
- Must be able to traverse navigation history with the browser's back/forward buttons.
- Must avoid treating the DOM as your application's state. Do not store data on DOM elements.
- Avoid spaghetti code:
  - Ensure your code is decoupled.
  - Use some kind of application architecture (e.g. Redux, Flux, MVVM, MVC etc.).

Restrictions:

- You must not use a "full" framework in your implementation (e.g. Angular, Ember, Vue). We consider a full framework to be one that addresses multiple concerns: you can use a View library like React, but you cannot use a MVVM library like Vue.
- You must not use jQuery or equivalent.
- If you are familiar with the React ecosystem, you may use React, Redux, React Router and/or any other libraries from the ecosystem to complete this test - this is in line with the stated rules.
- Note, you are free to use any libraries that you like as long as they are single purpose e.g. routing, templating, ajax requests.