



Marvel API Challenge

The goal of this assignment is to create an application that will allow users to search and bookmark their favorites Marvel characters. You should query the marvel API to search for characters (<https://developer.marvel.com/>).

If you're uncertain about any details of the project, feel free to render your own decisions. We will pay particular attention to quality and testing.

Functional Requirements

- There should be no button to instantiate the search instead the search should be run and result displayed while the user is interacting with the search input.
- Search result item can be bookmarked by the user, the bookmarked search item should be saved in the user local storage and displayed when the search input is empty.
- Should limit to 12 result from the API Optional: Use pagination to allow user to navigate through all the results
- The characters should be displayed in a
 - 4x5 Grid on Desktop
 - 2x10 Grid on Tablet
 - 1x20 Grid on Mobile
- Each item in the grid should display the image, name and bookmarked state of the character.
- The image size may vary, but make sure the grid accommodates any image size and displays consistently, still keeping it responsive. Avoid stretching or squeezing the image instead scale and align it in the center. No white space should appear on the sides but the image can be cropped.

Requirements

- You can use any JS framework you like (or Vanilla JS).
- We prefer React, Angular 4 and Vue 2.
- You must use Jest for unit tests.
- Styling should be written from scratch.





- Ensure that the elements work and display correctly in the latest versions of all modern browsers.

Project Delivery

Create and provide access to a private repo on Gitlab/BitBucket/Github or send us the zip archive with the source code (should include instructions on how to run the application + a description of your solution where you explain your decisions, assumptions or limitations of the application).

