Expat JS Tech Test Request (19/02/2025)

Background:

Just Eat has a public API available at https://uk.api.just-eat.io/ that you will use to get restaurant information, including restaurant details and delivery information.

We'd specifically like you to use the SearchByPostcode endpoint:
https://uk.api.just-eat.io/restaurants/bypostcode/ec4m

Task requirement:

The task is to create a Javascript, or Typescript, based application that accepts an outcode as a parameter. The application should then display the following information about each restaurant that delivers to that outcode by querying our API:
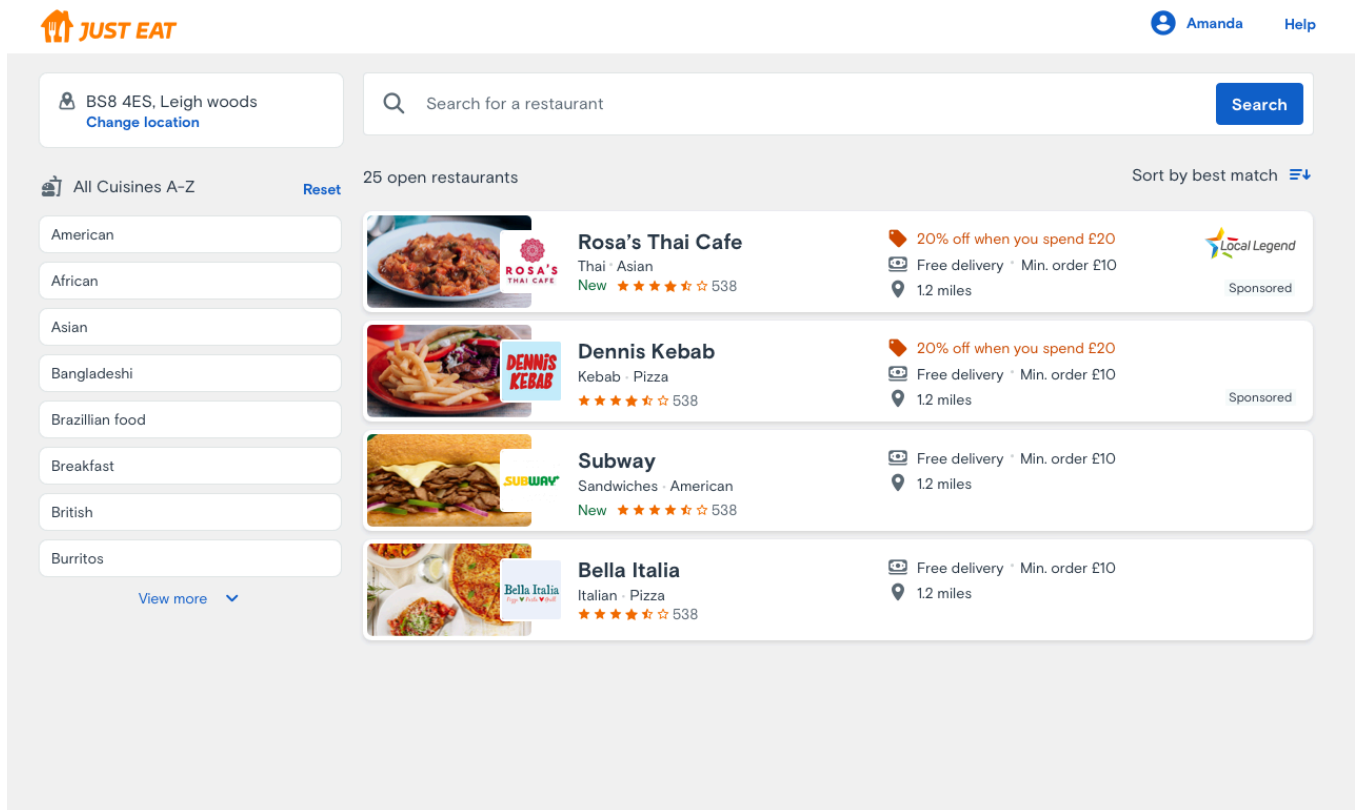- Name
- Rating
- Types of food for the restaurant

You should also implement the ability to filter each restaurant by cuisine.

Ideally, we would like to see this written in Vue, or an equivalent framework (React, Angular etc).

Below is an example of a design, we do not expect the output of the test to look like this since there is far more information on this example than we are asking for. It is purely an example representation to give you some inspiration for layout and styling.

Example Design:

We are interested in:

- The overall architecture of the application. What did you choose and why?
- We are interested in how you break the page into components.
- Your approach to testing. You don't need to write a lot of tests, and if you run out of time please do add a few notes on what else you would add and why.
- Your choice of package manager
- Your approach to network calls to the API. Follow best practice for a high-volume website. What error cases would you be looking to cover in the tests? How would you handle a 429 response?
- The API isn't perfect. Are there any changes you would request should be made to it?