

Rezdy Engineering Tech Task (JS)

Time: Approx 2 hours

Considerations: When assessing the submission, we will be paying particular attention to how the application is organised, code quality, implementation and quality of tests, interpretation of the problem, adherence to acceptance criteria and of course implementation and final execution.

User Story

As a User I would like to view an app in a web browser that will display a list of recipes that I can prepare for lunch today based on the contents of my fridge, so that I can quickly decide what I'll be having to eat and the ingredients required to prepare the meal.

Acceptance Criteria

- GIVEN that I am viewing the app in a browser AND I have clicked the *"What's for lunch"* button THEN I should be presented with a list of recipes that I can prepare based on the availability of the ingredients in my fridge
- GIVEN that I am viewing the app in a browser AND I have clicked the *"What's for lunch"* button AND an ingredient is past its `use-by` date THEN I should not see any recipes containing this ingredient
- GIVEN that I am viewing the app in a browser AND I have clicked the *"What's for lunch"* button AND an ingredient is past its `best-before` date AND is still within its `use-by` date THEN any recipe containing this ingredient should be sorted to the bottom of the list

Additional Criteria

- Use the **Vue.js** JavaScript framework (<https://vuejs.org/>) to create the application
- JavaScript should be written using ES6 compliant code
- The application SHOULD contain some basic unit and / or functional tests
- Any installation, build steps, testing and usage instructions MUST be provided in a **README.md** file in the root of the application - include instructions for building any Docker / Vagrant environments if required

Application Data

For the purpose of this task, the application SHOULD simply load data from 2 x JSON files, **recipes.json** and **ingredients.json**. The contents for these files can be found at the end of this document.

Submission

The application should be pushed to a **public** repository on **GitHub** or **BitBucket** (*lastname-firstname-rezdy-js-tehtask-YYYY*, e.g. *mcalister-ricky-rezdy-js-tehtask-2018*), then simply send us a link to the repository.

NB: Please be verbose with your commit messages and doc blocks as this will allow us to understand some of the decisions you make throughout the process.

Bonus Points

- Configure a Docker container or Vagrant box (that uses VirtualBox).
- Use TypeScript.

Data

recipes.json

```
{
  "recipes": [{
    "title": "Ham and Cheese Toastie",
    "ingredients": ["Ham", "Cheese", "Bread", "Butter"]
  }, {
    "title": "Fry-up",
    "ingredients": ["Bacon", "Eggs", "Baked Beans", "Mushrooms", "Sausage",
"Bread"]
  }, {
    "title": "Salad",
    "ingredients": ["Lettuce", "Tomato", "Cucumber", "Beetroot", "Salad
Dressing"]
  }, {
    "title": "Hotdog",
    "ingredients": ["Hotdog Bun", "Sausage", "Ketchup", "Mustard"]
  }, {
    "title": "Omelette",
    "ingredients": ["Eggs", "Mushroom", "Milk", "Salt", "Pepper", "Spinach"]
  }
]}
```

ingredients.json

```
{
  "ingredients": [{
    "title": "Ham",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Cheese",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Bread",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Butter",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Bacon",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Eggs",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Mushrooms",
    "best-before": "2018-09-12",
    "use-by": "2018-09-15"
  }, {
    "title": "Sausage",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Hotdog Bun",
    "best-before": "2018-09-12",
    "use-by": "2018-09-27"
  }, {
    "title": "Ketchup",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Mustard",
    "best-before": "2018-09-27",
    "use-by": "2018-10-02"
  }, {
    "title": "Lettuce",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Tomato",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Cucumber",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
    "title": "Beetroot",
    "best-before": "2018-09-22",
    "use-by": "2018-09-27"
  }, {
```

```
    "title": "Salad Dressing",  
    "best-before": "2018-09-12",  
    "use-by": "2018-09-15"  
  }  
}
```