TECHNICAL TEST

December 2020

OVERVIEW

Thank you for your interest in working for AccelByte! In order for us to get to better understand your technical abilities and how they can complement our team, we ask that you complete the following exercises.

You are only permitted to use library or language documentation or manual, no other sources of information may be used for solving the tasks. We need to evaluate your skills so you are expected to write your own code. Copying code from any sources is prohibited.

You are only permitted to use Javascript for this test. We encourage you to use the popular Javascript framework such as React JS, Vue JS, Angular JS, EmberJS (Frontend) and Node JS (Backend) to help you solve the problems.

We understand that you have a choice in employers and your time is valuable, so we designed the test to evaluate your abilities quicker as well as give you the opportunity to demonstrate the skills you have already developed and honed. If you are new to the domains of these exercises we will, however, take that into account as well.

Please submit the exercises as a zip file:

technical-test-submission@accelbyte.net

This test is confidential, and does not share both the test and the result, including to public repositories such as Github or Gitlab. If you have trouble submitting via email, use private file sharing such as Google Drive or Dropbox.

Good luck!

Recipe Web Application

Duration

3 days

Main Idea

Build a web application to manage recipes data. The application allows users to post, update, delete and view a detailed recipe. The users are also able to search the recipe by keyword and filter the data by category. Recipes are categorized as main course, dessert, appetizer, and drink. The recipe application contains 2 projects: backend and frontend.

Pages :

- **Main Page**
    - Show a list of recipes that contains a view, edit, and delete action button.
    - Search by keyword.
    - Filter by category.
    - Create a new recipe button.
- **Detail Recipe**
    - Show a detailed recipe.
- **Create/Edit Recipe**
    - Show forms to input a recipe.

Requirement

- Frontend and backend application communicates through RESTful API.
- Use Javascript's popular framework such as React JS, Vue JS, Angular JS, EmberJS (Frontend) and Node JS (Backend).
- Use MySQL or MongoDB as a database.
- We recommend you to wrap this application in docker-compose.
- Please write the code from scratch without using any template or code generator.
- Utilize README file to help us understand your work and how to run the application.
- Please do something to ensure that each section of your code behaves as intended (Optional).

Here is the sample specification of the recipe :

```
{
  "name": "Spaghetti Carbonara",
```

```json
  "type": "main course",
  "photos": ["url"],
  "description": "Discover how to make superb spaghetti carbonara. This cheesy pasta dish is an Italian favourite and with the right technique, you can make it perfect every time",
  "steps": [
    "prepare all the ingredients",
    "boil the spaghetti",
    "..."
  ],
  "ingredients": [
    {
      "name": "pecorino cheese",
      "qty": "50g"
    },
    {
      "name": "spaghetti",
      "qty": "350g"
    }
  ]
}
```