

Corgee Technical Exercise

In Corgee, we mostly deal with REST API to communicate between our frontend and backend. In this exercise, we try to simulate the real problem that you need to solve day to day in Corgee. The goal of this exercise is to understand your technical knowledge. Please take some time to work on this exercise and do not hesitate to ask us any questions!

REST API

We would like you to create REST API with these requirements. The REST API should connect to a database either Postgres, MySql, or Sqlite. You must use either Ruby, Python, Javascript, or Java to solve these problems.

1. As a user, I want to be able to register to Corgee

The minimum information that I need to input to register to Corgee are:

- first name
- last name
- email
- password
- repeated password

2. As a user, I want to be able to log in to Corgee

To log in to Corgee, a user needs to provide a valid email & password.

3. As a login user, I want to be able to create, read, update and delete my transactions

These endpoints should have authentication. The minimum information for a transaction are:

- description

- amount
- type (expense or income)

Minimum Expectation

1. We are really, really interested in your object-oriented development skills, so please keep in mind when solving the problem.
2. Please ensure that the coding conventions, directory structure and build approach of your project follow the conventions set by popular open-source projects in the language that you're using.
3. You must provide clear documentation on how to set up your service.
4. Please use Git for version control. We expect you to send us a standard zip or tarball of your source code when you're done that includes Git metadata (the .git folder) in the tarball so we can look at your commit logs and understand how your solution evolved.

Huge Plus

1. Provide a clear API documentation
2. Write comprehensive unit tests/specs
3. Frequent git commits
4. Use docker container for development setup

Happy coding :)

Please do not make either your solution or this problem statement publicly available by, for example, using GitHub or bitbucket or by posting this problem to a blog or forum.