

Stress Test 5

Duration: 20 minutes

Use the attached Spring Boot template in the zip file to complete the Customer Repository and Model of the following application:

First, edit the **resources/application.yml** file to **update your database name** in the **URL** of the *spring.datasource*; **along with the username, and password** of your **root** database user.

If you want to use MySQL, use the MySQL Connection Configuration.

1. Customer Entity

- a. Define a **Customer Entity Class** to represent the Customer with *ID*, *firstName*, *lastName*, *email*, and *balance*.
- b. Define a **Customer Repository Interface** to offer the below features:
 - i. **Find** a Customer by Email.
 - ii. **Create** a new Customer
- c. Uncomment the corresponding Customer Service and Controller code to provide the **b.i.** and **b.ii.** features. The Controller contains the GET “/customer/{email}” endpoint for b.i., and POST “/customer” for b.ii. features.

2. Advanced Feature

Define a JPA function to **find the balance** from an email of a Customer. **The result shows only balance and email**, and no other information of the Customer.

You pass this test if you can handle all features in Section 1.