



Interview Assignment

2023

Overview

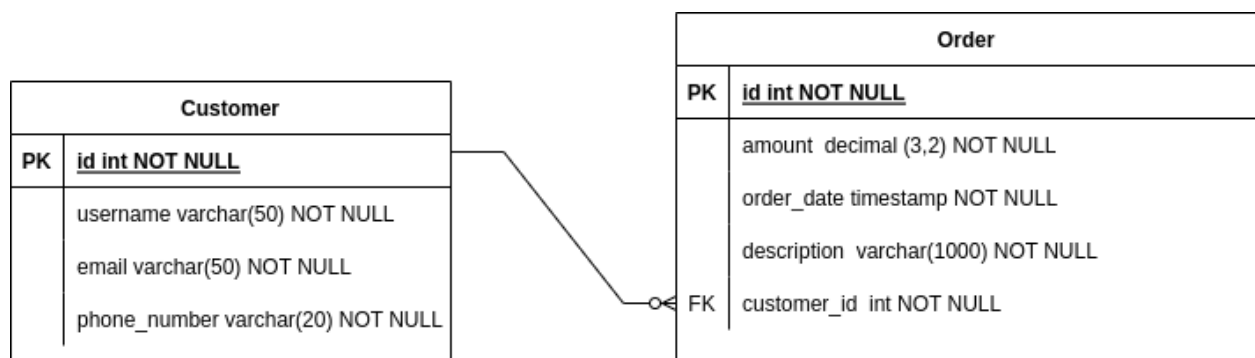
The candidate is requested to create a small Spring Boot Application, exposing a REST API for some basic CRUD operations and using a Relational Database.

Goals

1. The purpose of this assignment is not to provide a production ready application. Its purpose is to understand if you have the basic knowledge of the technologies used.
2. Please do not spend more than a few hours or add any extra features. Keep it as simple as possible

Specifications

We want to implement a simple REST API (preferably using Spring Boot) that provides basic CRUD operations (Create,Read,Update,Delete) for the below entities:



Requirements

I. Create A REST API

Create a REST API for managing the Customer and Order entities providing simple CRUD operations.

II. Persistence

Persist the above entities in a Relational Database (preferably Postgres but you are free to use any one you are familiar with) . Please prefer using an ORM framework (e.g. Hibernate). If you have knowledge of migration libraries (e.g. liquibase, flyway) please use them to create the requested schema .

III. Logging

Provide some basic logging for your application with any library you prefer.

IV. Tests

Provide some unit tests for testing your application. No need to test everything. The purpose is to show just a basic knowledge of unit testing frameworks. (3-4 tests , each for a different layer (e.g. controllers,service,persistence) will suffice)

V. Deployment

If possible please provide a simple script to run your application (e.g. a simple docker-compose file) and a simple README file, describing your application and how to run.

VI. Registry

Please push your code to a public Git repository of your choice (Gitlab,Github e.t.c.) so we can easily clone and test the application.