

# Candidate Coding Exercise

## Coding Exercise

Expectation is for the candidate to take approx 2-4 hrs

Create a simple application with database access;

Based on an input from the user provide the following functionality;

Provide help

1. Add Person (id, firstName, lastName)
2. Edit Person (firstName, lastName)
3. Delete Person (id)
4. Add Address to person [multiple required] (id, street, city, state, postalCode)
5. Edit Address (street, city, state, postalCode)
6. Delete Address (id)
7. Count Number of Persons
8. List Persons

### **Sr. Software Engineer Requirements**

1. Unit Tests
2. Maven or Gradle build (Java)

Please supply the source code and instructions on how to build and run your application.

Please use a data store that does not require an installation (eg. SQL LocalDB, SQLite, etc.).

Please upload your code into a public GitHub repository.

Please spend no more than 4 hrs on this.

Please make sure this is easily executable. Using a README.md, give details how to run (eg. use gradlew bootRun for Java)

**Show us what you know, use any third-party frameworks that you think will help you complete the exercise while keeping it simple. Remember, this is your first impression with the tech leads and manager of the team. Impress them!**