

## Java Course Prequel

1. Create a service class called **CustomerService** which will allow you to interact with **Customer** resources. The **CustomerService** class should allow you to
  1. Retrieve a Customer using a customer id.
  2. Retrieve all customers.
  3. Insert a customer.

Optionally, you can add functionality to update and delete a customer.

You can decide if you want to also create a **CustomerDAO** to be the keeper of the data.

The **Customer** class should have at least the following properties:

1. An integer **id**
2. A name
3. A dateOfBirth of type **LocalDate**
  1. You can initialize a LocalDate with the **of** method, e.g. `LocalDate.of(1957, 10, 10)`
4. Zero or more phone numbers
5. A status, which can have the following values:
  - Privileged
  - Normal
  - Restricted

You can add any other properties you want.

Think of what you need to do to make your classes *thread safe*. What does that mean? In what contexts might it be important?

Write some code to test your classes. This can be either in the form of a main method or unit tests.