

Here's the technical test, you will have to write it in **Java 8** and push it to **Github** so you can share the link of the repository with me when you are done:

You are a software engineer in a delivery company, and you need to gather customer information through a delivery form. You need to prepare an API endpoint to gather the following (JSON):

| Field name |
|--|
| First Name |
| Last Name |
| Phone Number |
| email |
| Addresses (array, can contain 0 to n address object defined below) |

The address object should contain the following fields:

| Field Name |
|-----------------|
| Type of address |
| City |
| Country |
| Address Line |

In order to provide easy access of data to the customer service, you are expected to deliver the following APIs:

| URL | Method | Description |
|-------------------------------------|--------|-------------------------------------|
| /customer | GET | Get all customers |
| /customer/<id> | GET | Get customer with the id defined |
| /customer | POST | Create a customer |
| /customer/<id>/address | POST | Create an address for this customer |
| /customer/<id>/address/<address_id> | DELETE | Delete the address of the customer |

| | | |
|-----------------|-----|---|
| /city/<name> | GET | Get all customers from this city |
| /phone/<prefix> | GET | Get all customers starting with the following prefix phone number |

Please share the link of the github with me when you are done.

Good luck, and looking forward to your code.