<u>Assignment Delivery Note</u>

Ajay Darshanala 27-Aug-20

Assignment – Build solution for maintaining customer details.

About Document: Describes the solution development and delivery high-level overview, below.

- **1.1 Screen shots**: Swagger API Documentation, Spring boot startup console, postman results, Junit results
- 1.2 Framework and Technologies

Service is to maintain customer data

- 1.3 Web Services Info
- 1.4 GIT hub repository path clone: https://github.com/ajaydarshanala/customerdata.git

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1.1 Screen shots: http://localhost:8080/swagger-ui.html#/customer-data-controller



Customer Data Service Test Assignment Ajay Darshanala

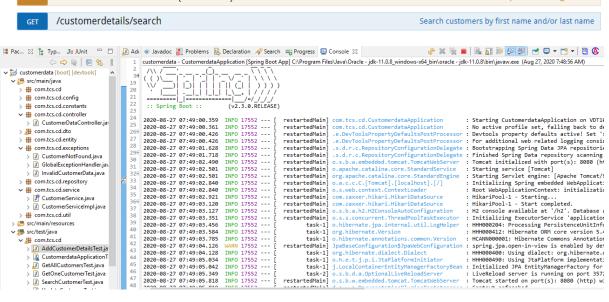
 customer-data-controller : Customer Data Controller
 Show/Hide
 List Operations
 Expand Operations

 POST
 /customerdetails/add
 Add a new customer

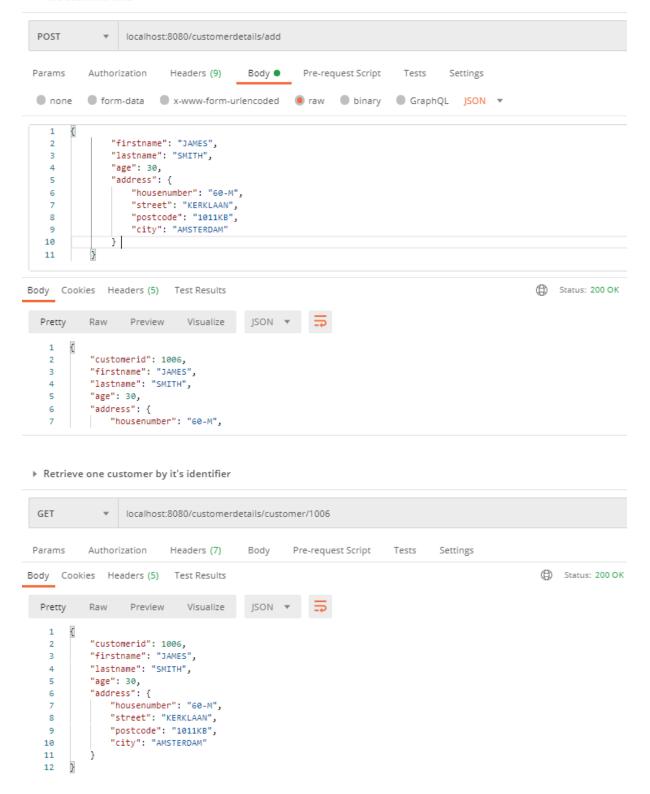
 GET
 /customerdetails/all
 Retrieve all customers

 GET
 /customerdetails/customer/{customerid}
 Retrieve one customer by it's identifier

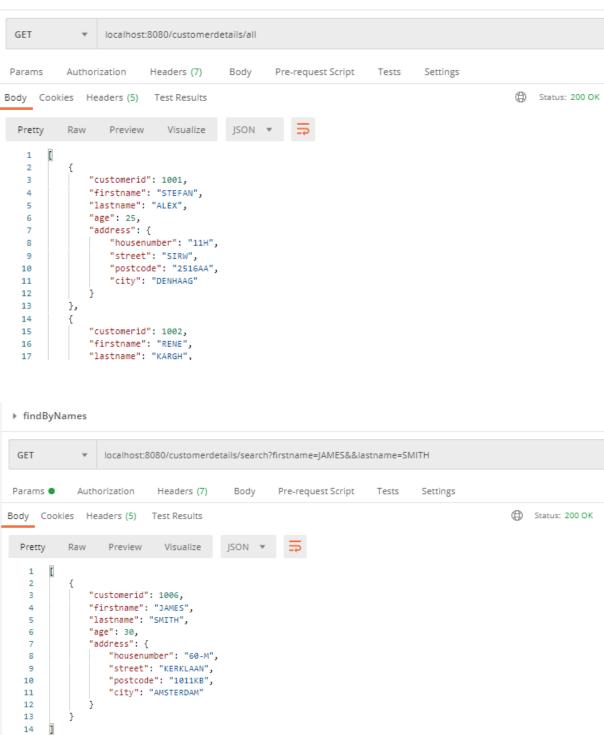
 PUT
 /customerdetails/customer/{customerid}/address
 Update the living address



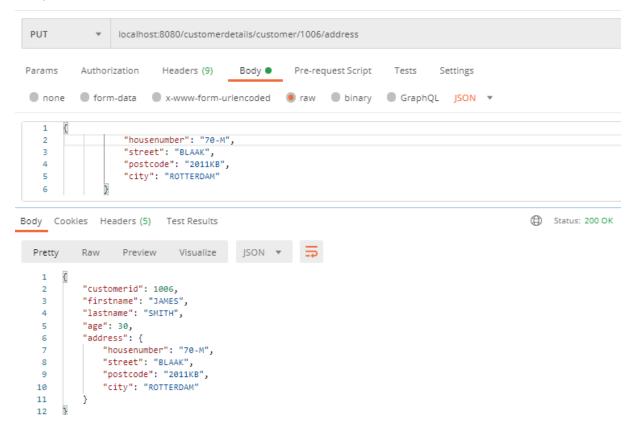
▶ Add customerdata



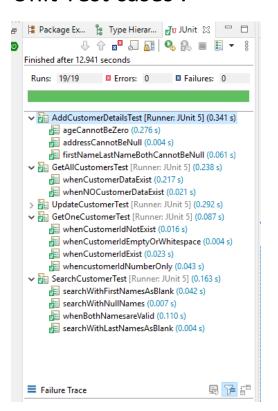
▶ Retrive All Customers



▶ updateaddress



Unit Test cases:



1.2 Framework and Technologies:

- SpringBoot version 2.3.0 , Java11, Spring data jpa, DevTools
- ➤ In memory H2 database and console enabled (path : /h2)
- > Spring REST API validations, Spring Exception handling
- On application bootstrap, test data load using data.sql
- Junit test cases, Application properties Yaml
- > Java Optional, Lambda functions, foreach Iterable
- JavaX Persistence JPQL ,Criteria builder, , Entity manager

1.3 Web Services Info:

- ➤ WebService RESTful, Request, Response payload : JSON Format
- ➤ Path Variables, Query Parameters
- ► HTTP Methods : GET,POST,PUT. HTTP Status codes : 2XX,4XX,5XX

1.4 GIT hub repository path clone: https://github.com/ajaydarshanala/customerdata.git