**Belong Exercise: API Documentation**

**Installation Steps:**

1. Pull the code from github repo: **https://github.com/rishabh1689/exercise-api.git** or use the zip file to extract code.  
  
2. Import as an existing maven project in eclipse.

3. Run maven command ‘**mvn clean install**’.  
  
4. Go to package ‘**com.belong.exercise.apiintegration**’ and Run as ‘**Java Application**’.

5. This will run the application on Tomcat server port **8090**.  
  
6. The services can be accessed via browser or postman.

**Overview:**

The application is created using Java Springboot framework. It consists of three services performing below operations:

1. **getAllPhoneNumbers** – The service returns all phone numbers stored against mocked up customers.
2. **getCustomerPhoneNumbers** – The service returns all phone numbers for a specific customer, each customer is identified through a unique identifier, **customerId**. It returns error message, if the **customerId** is not present in the mocked-up data set.
3. **activatePhoneNumber** – The service activates an inactive phone number, for a customer. It returns error message, if the specified phone number is already activated. It returns error, if the parameters **customerId** and **phoneNumber** are not linked as per the mocked-up data.

|  |  |  |
| --- | --- | --- |
| Service Name | Type | Parameters |
| getAllPhoneNumbers | GET | None |
| getCustomerPhoneNumbers | GET | 1. customerId |
| activatePhoneNumber | POST | 1. customerId 2. phoneNumber |

**Mocked Up Data:**

The customer profiles have been mocked-up, customer class consists of below attributes:

1. customerNumber
2. phoneNumber
3. phoneNumberStatus
4. givenNames
5. familyName

**Data set:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| customerNumber | phoneNumber | phoneNumberStatus | givenNames | familyName |
| 11236 | 0468345219 | Active | Wen Wen | Li |
| 11236 | 0468345453 | Inactive | Wen Wen | Li |
| 11236 | 0468345345 | Active | Wen Wen | Li |
| 11259 | 04683452780 | Active | Arun | Nair |
| 11294 | 0468296257 | Active | Mark | William |
| 15636 | 0468751539 | Active | Adam | Martyn |

**Sample service calls:**

1. **getAllPhoneNumbers:** localhost:8090/getAllPhoneNumbers

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1. **getCustomerPhoneNumbers:** localhost:8090/getCustomerPhoneNumbers?customerId=11259  
     
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2. **activatePhoneNumber:** localhost:8090/activatePhoneNumber?customerId=11236&phoneNumber=0468345453

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