# **Introduction**

The assignment is MVP for a banking application. To support banking process you will have to create a solution using Microservices architecture. Details of these microservices are mentioned below :

1. Customer Management Service with below mentioned APIs:
   1. Add customer
   2. Get all Customers
   3. Get single Customer Details
   4. Update Customer Details
   5. Delete Customer (Deleting customer should also delete the customer account from account management service)
2. Account Management service with below mentioned APIs:
   1. Add Money to account. (Before adding money to account must check if customer details passed in the request are valid or not)
   2. Withdraw money from account. (Before adding money to account must check if customer details passed in the request are valid or not)
   3. Get Account details. (Details include account details and related customer details).
   4. Delete Account.

In addition to these services, you will also have to implement some other components to facilitate microservices:

1. API Gateway
2. Eureka server for service registration
3. Centralized configuration management.

Also, below cross cutting concerns should be taken care of while writing the microservices:

* Exception handling
* Centralized configuration management

# Deliverables:

* Simple writeup to explain how to run the microservices and sample URLs to hit each of your service endpoints.
* Code for all the microservices must be provided.
* Do not upload the target directory for any of the microservices.

Guidelines:

1. Take relevant assumptions while implementing microservices.
2. Your solution should be able to build/compile and run.
3. Standard coding guideline should be strictly followed.
4. Integration with database is not mandatory.