**CustomerAccountTracker-Case-Study-SpringBoot-Crud**

Project: Customer Account Tracker

The objective of this sample case study is to build Spring Boot application incrementally by learning Spring REST, Spring Data & spring TEST.

A Leading private bank looking for solution to track customers and their account details. As part of requirements, the below mentioned specification has been given to the partner to implement.

Requirements Specification:

Able to create new account for a customer (only one account type / customer) Account type may be savings (individual/joint) & current etc., Able to edit customer personal details  
Able to fetch one or more customer personal details including account details too Customers can transfer funds from one account to another account. If enough fund exists.

The application will have 3 model classes

1)AccountBean.java having

userId

accountNumber

accountType

name

balanceAmount

as the properties

2)CustomerBean.java having

userId

accountNumber

name

gender

email

contact

accountType

adharNo

as the properties

3)TransactionBean.java having

userId

beneficiaryName

beneficiaryAccountNo

amount

balanceAmount

as the properties

The application will have 3 controller classes

1)AccountController

2)CustomerController

3)TransactionController

It will have 3 Repo interfaces

1)AccountRepo

2)CustomerRepo

3)TransactionRepo

Also it will have 3 service classes

1)AccountService

2)CustomerService

3)TransactionService

The AccountService.java will fetch accountDetails

The customerService will take care of adding the customer related CRUD operations.

TransactionService.java will take care of amountTransfer.

All the repositories will extend CRUDRepository