Customer Account Tracker

Requirements from Client.

- Account Service java will fetch account details.
- The Customer Service java will take care of adding the customer replated CRUD operations.
- Transaction Service java will take care of amount transfer.
- All the repositories will extend Crud Repository

Implemented Solutions and Deliverables.

1. Account Service: Fetching account details. (GET)
   - Fetching single Account: http://localhost:9999/getAccountById/{id}
   - Fetching All Accounts: http://localhost:9999/getAllAccounts
   - Fetching by Account Number: http://localhost:9999/getByAccountNumber/{accountNumber}

2. Customer Service: CRUD operations.

   <u>C</u>RUD

   - Create account: (POST) http://localhost:9999/addCustomer

   ```
   {
   "userId":1,
   "accountNumber": 934292,
   "name": "Malreddy",
   "gender": "male",
   "email": "malreddysaiprasad@gmail.com",
   "contact":9553512429,
   "accountType":"savings",
   "adharNo":475493340067
   }


   {
   "userId":2,
   "accountNumber": 934293,
   "name": "Saradhi",
   "gender": "male",
   "email": "saradhi123@gmail.com",
   "contact":7815960996,
   "accountType":"savings",
   "adharNo":586504451178
   }
   ```

   <u>CR</u>UD
   - Retrieve/Fetch Customer details: (GET)
     - By Id: http://localhost:9999/getCustomerById/{id}
     - All Customers: http://localhost:9999/getAllCustomerDetails

CR<u>U</u>D

- Update Customer details: (GET) http://localhost:9999/updateCustomerDetails

```
{
"userId":2,
"accountNumber": 934293,
"name": "M.Saradhi",
"gender": "male",
"email": "saradhi123@gmail.com",
"contact":7815960996,
"accountType":"savings",
"adharNo":586504451178
}
```

CRU<u>D</u>

- Delete Customer Account: (DELETE)
  - By Id: http://localhost:9999/deleteCustomer/{id}

3. Transaction Service: (POST)
   - From 1 account to another account: http://localhost:9999/makeTransaction

```
{
"userId":1,       //Sender user Id
"beneficiaryAccountNo": 934293,      //Receiver Account Number
"amount": 1000      //Amount to Transfer
}
```

   - Deposit Amount: http://localhost:9999/deposit

```
{
"userId":2,      //Self user Id
"beneficiaryAccountNo": 934293,      //Self Account Number
"amount": 1000      //Amount to Deposit
}
```

   - Withdraw Amount: http://localhost:9999/withdraw

```
{
"userId":2,      //Self user Id
"beneficiaryAccountNo": 934293,      //Self Account Number
"amount": 1000      //Amount to Withdraw
}
```

Note: All the transaction history will be saved in transaction table(MySQL)

4. All the Repositories were extending the CrudRepository.
   ```
   public interface AllRepositories extends CrudRepository<PojoClassName ,LongType>{}
   ```

********THANK YOU********