Code is present in https://github.com/KruthikaSwaminathan/CustRewardCode.git

Code consists of Controller layer(Rest API),Service layer(Business logic),Repository layer for data access and Entities.

RewardsController class manages endpoints to get total rewards for three months

RewardsService class contains the business logic to calculate the rewards

CustomerRespository gives the storage and retrieval operations for Customer

CustomerTransactionRespository gives the storage and retrieval operations for CustomerTransaction entity

Customer and CustomerTransaction entity represent details of customer and the transaction and it specifies the columns and tables.

Pom.xml has dependencies for the code like web dependency,Jpa dependency

In application.properties username password and database details of it.

There are two database tables CUST(customer) and CUST\_TRANS(Customer Transaction)

CUST table consist of customer id,name and address

CUST\_TRANS table consist of customer id,transction id,spent details, date and amount

Once we run the spring boot application ,login into <http://localhost:8080/h2-console>

A screenshot of a computer

Description automatically generated

Here mention Driver Class, JDBC URL ,Username and password from application.properties

Once login is done check whether tables are present and execute the insert script from script.sql

Then go to postman and hit the URL to get the total reward points for last months for particular customer id

URL: http://localhost:8080/rewards/customer/1/total

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