**About the project-:**

1. Project aimed at building java based RESTful APIs following microservices architecture for the below-mentioned banking operations:
   1. Create an account.
   2. Allow transfer of amount between two accounts.
   3. Inquiring for account balance.
2. To make it simple, following technologies have been used -:
   1. Java.
   2. H2 (in-memory data source). This is one of the asks.
   3. Jetty server to expose the APIs over the web.
   4. Maven as a build tool.
   5. Junit framework for unit tests.
   6. Lombok for logging and for mutator methods (getters, setters)
3. Emphasis has been given on clean code.
4. Classes, methods, variables and other instances have been named meaningfully.
5. Descriptive java-docs have been added.
6. Proper indentation of the code.
7. SOLID, DRY and KISS principles have been followed.
8. Comments have been put-in at various places so as to help understand what code does.
9. A handful of unit tests have been written to cover all the possible use cases.
10. APIs can also be tested using postman rest client. I have checked-in a postman collection comprising of sample scripts so as to give an idea as to how the requests would look like.

**Following validations have been implemented -:**

1. Account holder name and account holder address can neither be null or empty when creating an account.
2. Transferor account and beneficiary account can neither be null or empty when transferring from one account to another.
3. Both the transferor and beneficiary accounts should exist before executing the transfer.
4. Transferor account should have sufficient balance in order to initiate transfer.

**Steps to execute the project as standalone-:**

1. Checkout the project.
2. Navigate to \..\..revolut-banking (parent pom directory).
3. Build the project using maven post checkout using **mvn clean install**
4. Execute the command **mvn exec:java**

**Note -:** For any further clarifications feel free to write.