

Total 4 microservices have been created:

1. user-services
2. account-services
3. operation-services
4. miscellaneous-services

user-services:

This micro service contains the REST APIs for the operation related to user (customer) creation, update etc. This micro service has below end points exposed:

1. **/registerNewCustomer:** Register a new customer.

Type	Post
Sample request body	<pre>{ "userID": "MyID", "userAddress": "Address", "userEmail": "Email", "userAccounts": [123, 234] }</pre>

2. **/updateCustomerInfo:** Update information for an existing customer.

Type	Post
Sample request body	<pre>{ "userID": "MyID", "userAddress": "Address", "userEmail": "Email", "userAccounts": [123, 234] }</pre>

3. **/getAccountList/{userID}:** Fetch account list for a user.

Type	Get
Parameter	userID: Id of the user

4. **/addAccount/{userID}/{accountNo}:** Add a new account for an user.

Type	Get
Parameter	userID: Id of the user accountNo: Account number to be added

5. **/removeAccount/{userID}/{accountNo}**: Remove account for a user.

Type	Get
Parameter	userID : Id of the user accountNo : Account number to be removed

account-services:

This micro service contains the REST APIs related to account service like account creation, update, closure etc. It has below end points exposed:

1. **/createNewAccount**: Create new account.

Type	Post
Parameters	<pre>{ "userID": "MyID", "accountNO": 1234, "branch": "Branch", "balance": 1000, "inChecqueBookIssued": false, "transactions": [{ "ammount": 200, "transactionType": "Debit" }], "active": true }</pre>

2. **/updateAccountInfo**: Update information for an existing account.

Type	Post
Sample request body	<pre>{ "userID": "MyID", "accountNO": 1234, "branch": "Branch", "balance": 1000, "inChecqueBookIssued": false, "transactions": [{ "ammount": 200, "transactionType": "Debit" }], "active": true }</pre>

3. **/closeAccount/{accountNO}**: Close an account with provided account number.

Type	Post
Parameter	accountNO : Account number to be closed.

4. **/getTransactionSummary/{accountNO}**: Fetch transaction summary for an account.

Type	Get
Parameter	accountNO : Account number to be closed.

operation-services:

This micro service contains various REST APIs for operations like money deposit, money withdrawal, money transfer etc. It has below REST end points exposed:

1. **/withdrawMoney/{accountNO}/{amount}**: Withdraw money from account.

Type	Post
Parameter	accountNO : Account number amount : Amount of money to be withdrawn.

2. **/depositMoney/{accountNO}/{amount}**: Deposit money in an account.

Type	Post
Parameter	accountNO : Account number amount : Amount of money to be withdrawn.

3. **/transferMoney/{accountNoFrom}/{accountNoTo}/{amount}**: Transfer money from one account to another.

Type	Post
Parameter	accountNoFrom : Account number from which money is to be transferred. accountNoTo : Account number to which money is to be transferred. amount : The amount to be transferred.

miscellaneous-services:

Miscellaneous service like ordering and blocking check book. It has below REST end points exposed:

1. **/orderCheckBook/{accountNO}**: Order check book for an account.

Type	Post
Parameter	accountNO : Account number for which check book is ordered.

2. **/blockCheckBook/{accountNO}**: Block check book for an account.

Type	Post
Parameter	accountNO : Account number for which check book is ordered.