RESTful Transfer Web service

Prerequisites:

- MySQL 5.x
- Postman or any other REST Clients

The solution has been built with SpringBoot, Maven and JPA as persistence framework.

linitial configuration steps:

Its necessary to create the database to use: CREATE DATABASE transfer_service;

Data tables are created at the runtime considering the java entities from the application.

Threre is a configuration file (application.properties) which is necessary to update with the database credentials and the dabase created before:

```
# The database connection URL
spring.datasource.url=jdbc:mysql://localhost:3306/transfer_service?useSSL=false
# Username
spring.datasource.username=root
# Password
spring.datasource.password=admin
```

to launch the application (under target directory):

\$ java -jar mysql-rest-service-1.0-SNAPSHOT.jar

mvn clean verify; cd target; java -jar mysql-rest-service-1.0-SNAPSHOT.jar

or from IDE:

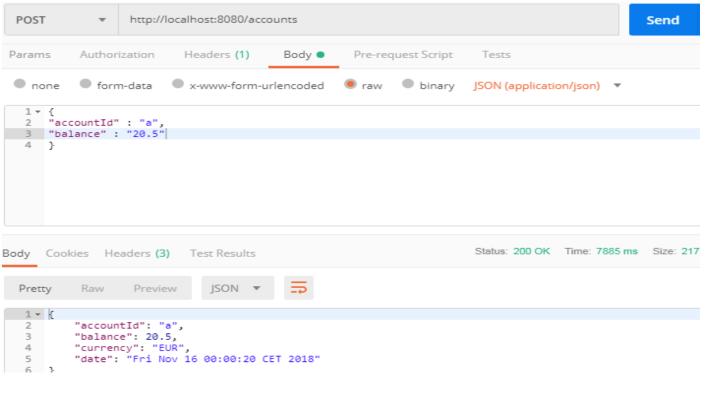
running main method from Application javaclass

```
public class Application {
    public static void main(String[] args) {
        SpringApplication.run(Application.class, args);
    }
}
```

Accounts:

```
nysql> desc account;
                                           Key
 Field
               l Type
                                  Null
                                                  Default
                                                             Extra
                                  N0
N0
                                                  NULL
NULL
NULL
                                           PRI
 account_id
                 varchar(14)
                 float
 balance
 currency
                 varchar(8)
                                  YES
                 varchar(255)
                                  ŸĒŚ
                                                  NULL
 date
```

Creating new ones:



```
mysql> select * from account;
    account_id
                                   | balance
                                                                | currency | date
                                                                                                     Nov 16 00:00:20 CET
Nov 16 00:03:55 CET
Nov 16 00:02:17 CET
Nov 16 00:04:10 CET
Nov 16 00:04:51 CET
Nov 16 00:03:31 CET
Nov 16 00:03:12 CET
                                                                                             Fri
Fri
Fri
Fri
                                                                                                                                                    2018
2018
2018
2018
2018
2018
2018
2018
                                                                    EUR
EUR
EUR
EUR
                                      20.5
1235690000
    a
ABN152365BS8
                                                    3000
3000
    b
    C
    đ
                                             5000.51
                                                                    EUR
                                                                                             Fri
Fri
   ÎNG152365BS8
NL152365BS8
                                                      125
                                                                    EUR
                                                                    EUR
                                                           И
```

```
GET
                         http://localhost:8080/accounts
                                          JSON ▼
              Raw
                         Preview
Pretty
 1 - [
              {
                   "accountId": "a",
   3
                   "balance": 20.5,
"currency": "EUR",
"date": "Fri Nov 16 00:00:20 CET 2018"
   5
   6
              },
   8 -
              {
                    "accountId": "ABN152365BS8",
                   "balance": 1235689980,
"currency": "EUR",
"date": "Fri Nov 16 00:03:55 CET 2018"
 10
 11
 12
 13
  14 -
                    "accountId": "b",
 15
                   "balance": 3000,
"currency": "EUR",
"date": "Fri Nov 16 00:02:17 CET 2018"
 16
 17
 18
 19
 20 -
                    "accountId": "c",
 21
                   "balance": 3000,
"currency": "EUR",
"date": "Fri Nov 16 00:04:10 CET 2018"
 22
 23
  24
 25
             },
 26 +
                   "accountId": "d",
 27
```

Transfers:

