

Problem statement

You are requested to create REST API for Bank transactions/atm system. You should expose CRUD operations for Account model (or table). Also you should be able deposit, withdraw from account and should be able to return number of transactions, total amount of with drawl/deposit happened on particular day.

```
class Account{
    int account_id; //automatic unique sequence number (primary key)
    String account_holder_name;
    int current_balance;
}

class Transaction{
    int account_id;
    String transaction_type; // deposit/withdrawl
    int amount;
    Localdate transaction_date;
}
```

The list of api operations required are,

Api Path	Type	Description
/bank/account/{id}	GET	Get account by id
/bank/account/all	GET	Get all account from the table
/bank/account/{id}	PUT	Update account by id
/bank/account/{id}	DELETE	Delete account by id
/bank/account/	POST	Create new account with balance 1000
/bank/withdraw/{account_id}/ {amount}	PUT	1. Select account from account table 2. Throw error message if account does not exists 3. Else, Update the account balance, add a Transaction in transaction table
/bank/deposit/{account_id}/ {amount}	PUT	1. Select account from account table 2. Throw error message if account does not exists 3. Else, Update the account balance, add a Transaction in transaction table
/bank/transaction/summary/ {transaction_date}	GET	1. Get all the transactions occurred on the specific date and display the summary in below format, { "total_transactions" : 15 "total_withdrawn_amount": 1245766 "total_deposited_amount": 44556356 }

NOTE:

1. You are required to use,

- * Springboot
- * Maven
- * SpringREST
- * Spring JPA

For this above application.

2. You can choose the same database which you have gone through during your tutorial. I believe it is mysql.

3. You are free to choose your own coding style and approach as long as it works

4. Below are the things which are good to have but you can ignore this if don't know what they are,

- * Swagger for documentation
- * Junit for unit test cases