

RestFul_Transactions

Runs on localhost: port 8080

```
java -jar RestFul_Transactions.jar
```

ENDPOINTS

1) localhost:8080/accountsManagement

Endpoint designed for the admin use to manage accounts.(add,delete,edit, list)

REQUEST	INPUT	OUTPUT
GET	-	JSON ArrayList <accout> [{username:<string>,balance<double>}]
GET path/{username}}	-pathParam(@username)	JSON<account > [{username:<string>,balance<double>}]
POST	JSON ArrayList [{username:<string>, balance<double>}]	boolean Success: true Failure: false
DELETE	JSON ArrayList [{username:<string>}]	boolean
PUT	JSON ArrayList [{username:<string>, balance<double>}]	boolean

QUERYPARAMS

sortField= username, amount

sortType= ASC, DESC

filter= min,max,username

EXAMPLE REQUEST:

<http://localhost:8080/accountsManagement?sort=DESC&sortField=username>

WITH JSON

<http://localhost:8080/accountsManagement> : json for POST, PUT AND DELETE

2) localhost:8080/transactionsManagement

Endpoint designed for the admin use to managing transactions.(listing, make money transfer , add money to user, delete money from user)

REQUEST	INPUT	OUTPUT
GET	-	JSON ArrayList [{amount:<double>,recipient<String>, sender<String>, transactionId<UUID>, transactionTime <Calendar>}]
GET path/{/uuid}}	-pathParam(@uuid)	JSON [{amount:<double>,recipient<String>, sender<String>, transactionId<UUID>, transactionTime <Calendar>}]
POST path(/makeTransaction)	JSON [{amount:<double>,recipient<String>, sender<String>}]	boolean Success: true Failure: false
POST path(/addMoney)	JSON [{amount:<double>,recipient<String>}]	boolean
POST path(/deleteMoney)	JSON [amount:<double>, sender<String>]	boolean

QUERYPARAMS

sortField= recipient, sender, amount , uuid, date
sortType= ASC, DESC

filter= recipient, sender, minAmt, maxAmt, minDate, maxDate

EXAMPLE QUERIES

<http://localhost:8080//transactionsManagement>

<http://localhost:8080//transactionsManagement?sortField=amount&sort=DESC&recipient=e&sender=y>

WITH JSON:

<http://localhost:8080//transactionsManagement/makeTransaction>

<http://localhost:8080//transactionsManagement/addMoney>

<http://localhost:8080//transactionsManagement/deleteMoney>

3) localhost:8080/user

End point designed for the users. They can see their transactions, account information,

REQUEST	INPUT	OUTPUT
GET path/{username}/account	-pathParam(@username)	JSON : account
GET path/{username}/transactions	-pathParam(@username)	JSON array: transactions
POST path/{username}/sendMoney	JSON<transaction>	boolean
POST path/{username}/deposit	JSON <transaction>	boolean
POST path/{username}/withdraw	JSON <transaction>	boolean

<http://localhost:8080//user/a/account>

<http://localhost:8080//user/a/transactions>

With JSON:

<http://localhost:8080//user/a/sendMoney>

<http://localhost:8080//user/a/deposit>

<http://localhost:8080//user/a/withdraw>

EXTRA:

Filtering and sorting is available when get requests returns list.

For accounts:

Filters:

Sort: