

Account
<ul style="list-style-type: none"> - AccountType type <ul style="list-style-type: none"> - String id - String name - double interest - AccountStatus status <ul style="list-style-type: none"> - double balance - OverdraftPrevention preventions - Exceptions exceptions - Transactions transactions - ArrayList<String> usedIds
+ Account(AccountType, String) <ul style="list-style-type: none"> - isUnusedId (String) <ul style="list-style-type: none"> getId () - setBalance (double) <ul style="list-style-type: none"> setName (name) getName () debit (double) credit (double) transfer (Account, double) setInterestRate (double) <ul style="list-style-type: none"> getInterestRate () setAccountStatus (AccountStatus) <ul style="list-style-type: none"> getAccountStatus () generateId (int) isSameOwner (Account) getWithdrawalHistory () getDepositHistory () getTransferHistory () getStatusHistory () getNameHistory () getInterestHistory ()

Exceptions
canDebitAccount () canCreditAccount () canChangeAccountStatus () canChangeName () canCheckBalance () isOpen () isOverdraftPrevented () isClosed ()

<<Enumeration>> TransactionType
WITHDRAWALS DEPOSITS TRANSFERS STATUS NAME INTEREST

<<Enumeration>> OverdraftPrevention
ENABLED DISABLED TRANSFER

<<Enumeration>> AccountType
SAVINGS CHECKING INVESTMENT

Transactions
<ul style="list-style-type: none"> - ArrayList withdrawals - ArrayList deposits - ArrayList transfers - ArrayList statusHistory <ul style="list-style-type: none"> - ArrayList name - ArrayList interest
updateWithdrawals (double, String) requestWithdrawalHistory () updateDeposits (double, String) requestDepositHistory () updateTransferHistory (double, String, String) requestTransferHistory () updateStatusHistory (AccountStatus, String) requestStatusHistory () updateNameHistory (String, String) requestNameHistory () updateInterestHistory (double, String) requestInterestHistory ()