

Transaction
<div>+ id: Int</div> <div>+ sender_id: Int</div> <div>+ recipient_id: Int</div> <div>+ description: String</div> <div>+ amount: Double</div> <div>+ approval_date: String</div> <div>+ create_date: String</div> <div>+ tan_id: String</div>
<div>+ isApproved(): Bool</div> <div>+ to_json(): String</div> <div>+ fetchTransactionsForUsername(username: String): Array<Transaction></div> <div>+ approveTransactionWithId(id: Int): void</div> <div>+ fetchNotApprovedTransactions(): Array<Transaction></div> <div>+ transactionsToJson(transactions: Array<Transaction>): String</div> <div>+ validateTAN(tan: String, user: User, amount: Double, account: Int): Bool</div> <div>+ isTanUnused(tan: String): Bool</div> <div>+ insertNewTransaction(senderid: Int, recipientid: Int, amount: Double, description: String, tan: String, hashCount: Int): void</div> <div>+ initializeBalance(user_id: Int, balance: Double): void</div>

User
<div>+ id: Int</div> <div>+ username: String</div> <div>+ firstname: String</div> <div>+ lastname: String</div> <div>+ email: String</div> <div>+ memberrole: Int</div> <div>+ approved: Int</div> <div>+ pinHash: String</div>
<div>+ isEmployee(): Bool</div> <div>+ isApproved(): Bool</div> <div>+ getAccountNumber(): String</div> <div>+ getBalance(): Double</div> <div>+ getLastUsedTAN(): String</div> <div>+ fetchUser(username: String, password: String): User</div> <div>+ fetchUserWithUsername(username: String): User</div> <div>+ fetchUserWithId(user_id: Int): User</div> <div>+ approveUserWithId(user_id: Int): void</div> <div>+ approveUserWithIdAndBalance(user_id: Int, balance: Double): void</div> <div>+ fetchNotApprovedUsers(): Array<User></div> <div>+ isLoginBlocked(username: String): Bool</div>