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Interfaces

Buy Transaction Interface

How much is specific stock:

User table Transaction table Transaction table User Feed table

User ID key User ID key Symbol key Symbol key

Returns stock price

Does the user have sufficient funds:

User table

Returns Users balance

Buy Stock:

User table

Subtracts amount from balance on User table

User table Transaction table

User ID key User ID key

Adds symbol, time stamp, price to transaction table

User table Portfolio table

User ID key User ID key

Adds symbol to portfolio table

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Interfaces

Sell Transaction Interface

Does user own the stock they wish to sell

User table Portfolio table

User ID key User ID key

Returns the number of shares of specific symbol

How much is specific stock:

User table Transaction table Transaction table User Feed table

User ID key User ID key Symbol key Symbol key

Returns stock price

Sell Stock

User table

Adds amount to balance

User table Transaction table

User ID key User ID key

Removes symbol, time stamp, price to transaction table

User table Portfolio table

User ID key User ID key

Removes symbol to portfolio table

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Interfaces

User Log in Interface

Does user exists

User table

User ID key

Returns Y/N

If No

Create User

User Table

Add user name, id, balance,

If Yes

Authenticate user

User table

Returns user ID and password

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Interfaces

Bank History Interface

Add to account

Deposit

User table Transaction table

User ID key User ID key

Adds User ID, time stamp, amount

User table

Adds to balance

Subtract from account

How much is specific stock:

User table Transaction table Transaction table User Feed table

User ID key User ID key Symbol key Symbol key

Returns stock price

Does the user have sufficient funds:

User table

Returns Users balance

Buy Stock:

User table

Subtracts amount from balance on User table

User table Transaction table

User ID key User ID key

Adds symbol, time stamp, price to transaction table

User table Portfolio table

User ID key User ID key

Adds symbol to portfolio table