

StockTrader Database

Description

The [Stonehenge StockTrader Sample Application](#) relies on a database for storage of user information, stock information, and application configuration data. In the M1 release of the [Stonehenge StockTrader Sample Application](#), Microsoft SQL Server was the only database supported, however support has now been added for using MySQL as the data store.

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Tables Contained in the Database

Tables that have been marked with a ★ were added to the database to support functionality that was added as part of [M2](#).

ACCOUNT Table

The ACCOUNT table is used to store account details about users (as opposed to identifying information). It keeps track of events such as account creation and logins/logouts, as well as the current balance for the account. The PROFILE_USERID column is used to correlate information in this table with information in the [ACCOUNTPROFILE](#) table.

Column Name	Data Type	Nulls Allowed
CREATIONDATE	datetime	Yes
OPENBALANCE	decimal(12, 2)	Yes
LOGOUTCOUNT	int	No
BALANCE	decimal(12,2)	Yes
*ACCOUNTID	int	No
LASTLOGIN	datetime	Yes
LOGINCOUNT	int	No
PROFILE_USERID	varchar(250)	Yes

ACCOUNTPROFILE Table

The ACCOUNTPROFILE table is used to store personal information about registered users of the StockTrader application. It contains contact information, payment information, and authentication information (stored as plain text).

Column Name	Data Type	Nulls Allowed
ADDRESS	varchar(250)	Yes
PASSWORD	varchar(250)	Yes
*USERID	varchar(250)	No
EMAIL	varchar(250)	Yes
CREDITCARD	varchar(250)	Yes

FULLNAME	varchar(250)	Yes
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BSTOOPS Table★

The BSTOOPS table is used as a lookup table by the [Configuration Service](#) to determine the [Order Processor Service](#) instance that a given [Business Service](#) instance is configured to call.

Column Name	Data Type	Nulls Allowed
*BS	varchar(50)	No
OPS	varchar(50)	No

CLIENTTOBS Table★

The CLIENTTOBS table is used as a lookup table by the [Configuration Service](#) to determine the [Business Service](#) instance that a given [StockTrader Client](#) instance is configured to call.

Column Name	Data Type	Nulls Allowed
*CLIENT	varchar(50)	No
BS	varchar(50)	No

DBCONFIG Table★

The DBCONFIG table is used to store information about known instances of the [StockTrader Database](#) that can be used. This table is used primarily by the [StockTrader Configuration Service](#).

Column Name	Data Type	Nulls Allowed
*DBNAME	varchar(50)	No
HOSTNAME	varchar(50)	No
PORT	int	No
ACTIVE	varchar(1)	No

HOLDING Table

The HOLDING table is used to store information about the various stock holdings that users of the StockTrader application **currently** have.

Column Name	Data Type	Nulls Allowed
PURCHASEPRICE	decimal(12, 2)	Yes
*HOLDINGID	int	No
QUANTITY	float	No
PURCHASEDATE	datetime	Yes
ACCOUNT_ACCOUNTID	int	Yes
QUOTE_SYMBOL	varchar(250)	Yes

ORDERS Table

The ORDERS table is used to store information about all stock orders that users of the StockTrader application have ever placed.

Column Name	Data Type	Nulls Allowed
ORDERFEE	decimal(12, 2)	Yes
COMPLETIONDATE	datetime	Yes
ORDERTYPE	varchar(250)	Yes
ORDERSTATUS	varchar(250)	Yes
PRICE	decimal(12, 2)	Yes

QUANTITY	float	No
OPENDATE	datetime	Yes
*ORDERID	int	No
ACCOUNT_ACCOUNTID	int	Yes
QUOTE_SYMBOL	varchar(250)	Yes
HOLDING_HOLDINGID	int	Yes

QUOTE Table

The QUOTE table is used to store the current state of the market.

Column Name	Data Type	Nulls Allowed
LOW	decimal(12,2)	Yes
OPEN1	decimal(12,2)	Yes
VOLUME	float	No
PRICE	decimal(12, 2)	Yes
HIGH	decimal(12, 2)	Yes
COMPANYNAME	varchar(250)	Yes
*SYMBOL	varchar(250)	No
CHANGE1	float	No

SERVICE Table★

The SERVICE table is used as a lookup table by the [StockTrader Configuration Service](#) to resolve service endpoints and security requirements.

Column Name	Data Type	Nulls Allowed
*SERVICENAME	varchar(50)	No
URL	varchar(500)	No
SEC	bit	Yes