

Password Entry Database

Database Structure

	Column Name	Data Type	Allow Nulls
	UserID	varchar(50)	☒
	PWord	varchar(50)	☒

Database Values

UserID	PWord
Will	passwordTest
not	tom
Imaman	nou
will	not
Nathan	Test
Nathan	Password
Matthew	123
Ian	Ben
Dave	1234
Geoff	Geoff
My Little Pony	AddedByMe
Tom	1234
SqlTest	passwordTest
Tommmmm	1234
tommm	1234
Kiley	1234
Dave	1234
Glen	test
IanWeb	BenWeb
Test1	test2
password	password
Tom	day
ghggg	ghggg
sdee	sdee
Lew	night
rdr	rdr
uhlfhlf	adfhsafh
Steve	DCWP
Rhys	Hello
123	default

Tutorial Notes:

The connection information for the above table is given below:

```
DataSource =      "BUSDEV";  
InitialCatalog =  "Northwind";  
UserID =         "vbasic";  
Password =       "vbasic";
```

Tasks

Create an interface (a common interface must be agreed between all the groups) that will be used in a WCF Service application to specify the following aims:

- Receive a user name and password from a client application and return one of the following replies:
 - Valid User
 - Invalid User
 - No database connection
 - No command information
- Receive a user name and password from a client application and return one of the following replies:
 - Row added to table
 - Row not added to table
- Receive a user name and password from a client application and return one of the following replies:
 - Row deleted
 - Row not deleted
- Receive a user name and new password from a client application and return one of the following replies:
 - Password updated correctly
 - Password not updated

Create a C# Console application to act as a WCF Service, providing:

- The creation of the above interface
- Implementation of the functionality of the interface
- The publishing of the Service metadata
- The use of an application configuration document

Create a Windows Form application to act as a Client testing application for the WCF Service.

Test the WCF showing your test data and results.

Using your interface implement the methods designed and tested by another group.