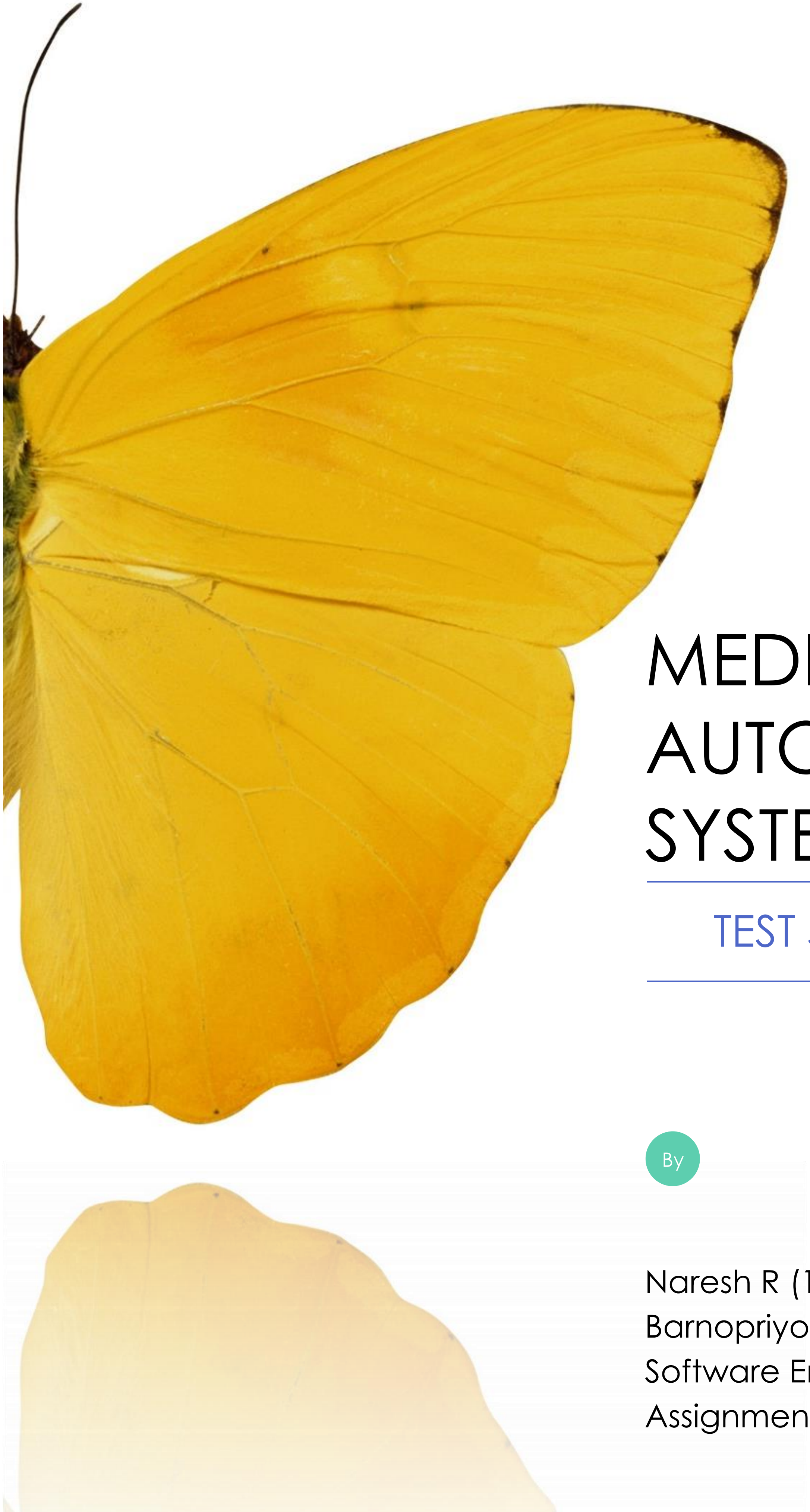


MEDICAL LAB AUTOMATION SYSTEM

TEST SUITE RESULTS

By

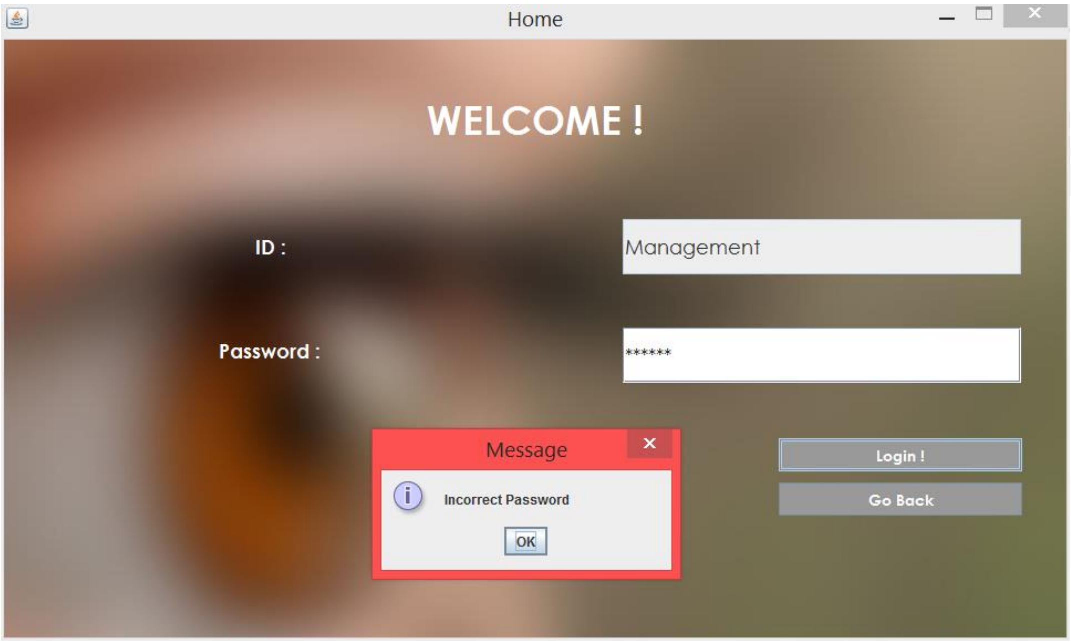
Naresh R (13CS30024)
Barnopriyo Barua (13CS30009)
Software Engineering
Assignment

TABLE OF CONTENTS

INTEGRATION TESTING RESULTS (BLACK BOX TESTING)

LOGIN PAGE

LOGIN ERROR FOR MANAGEMENT



ID : Management

Password : ******

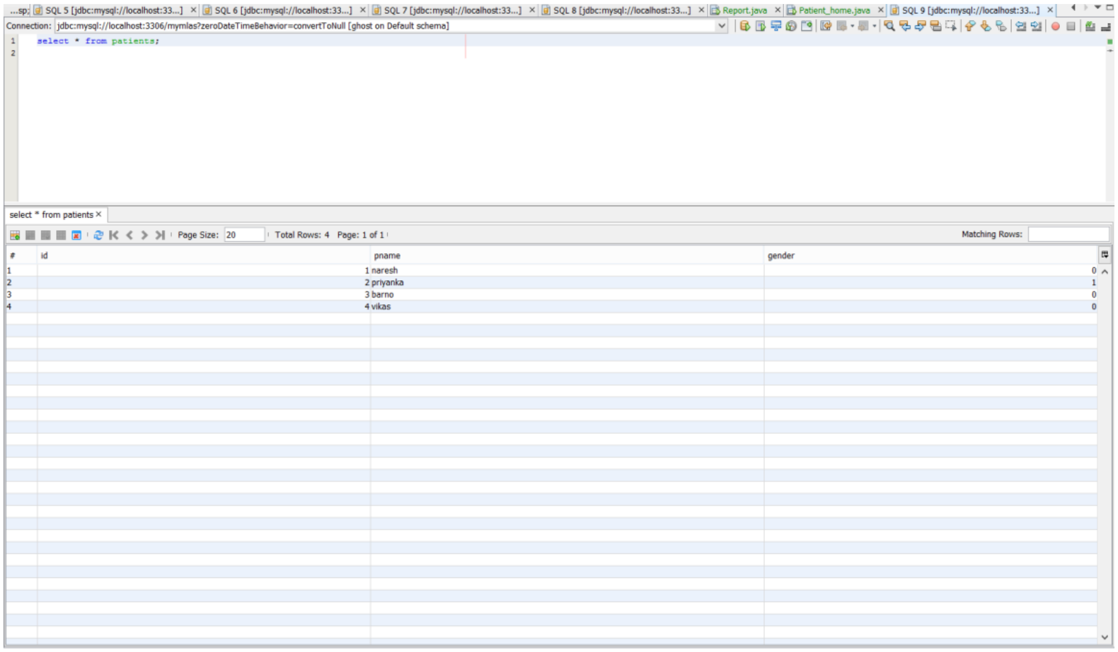
Message

Incorrect Password

OK

LOGIN ERROR FOR UNREGISTERED USER

Database before login attempt



...sp; SQL 5 [jdbc:mysql://localhost:33...] SQL 6 [jdbc:mysql://localhost:33...] SQL 7 [jdbc:mysql://localhost:33...] SQL 8 [jdbc:mysql://localhost:33...] Report.java Patient_home.java SQL 9 [jdbc:mysql://localhost:33...]
select * from patients

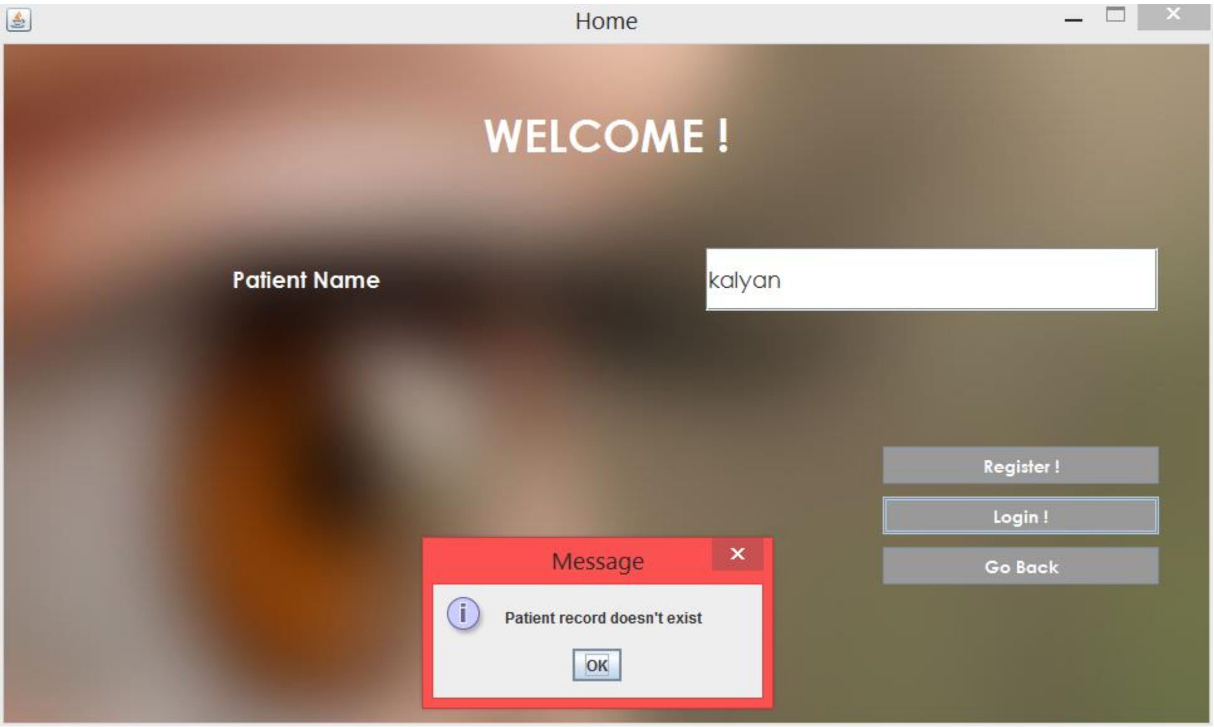
Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from patients;
```

Page Size: 20 Total Rows: 4 Page: 1 of 1 Matching Rows:

#	id	pname	gender
1	1	naresh	0
2	2	priyanka	1
3	3	barno	0
4	4	vikas	0

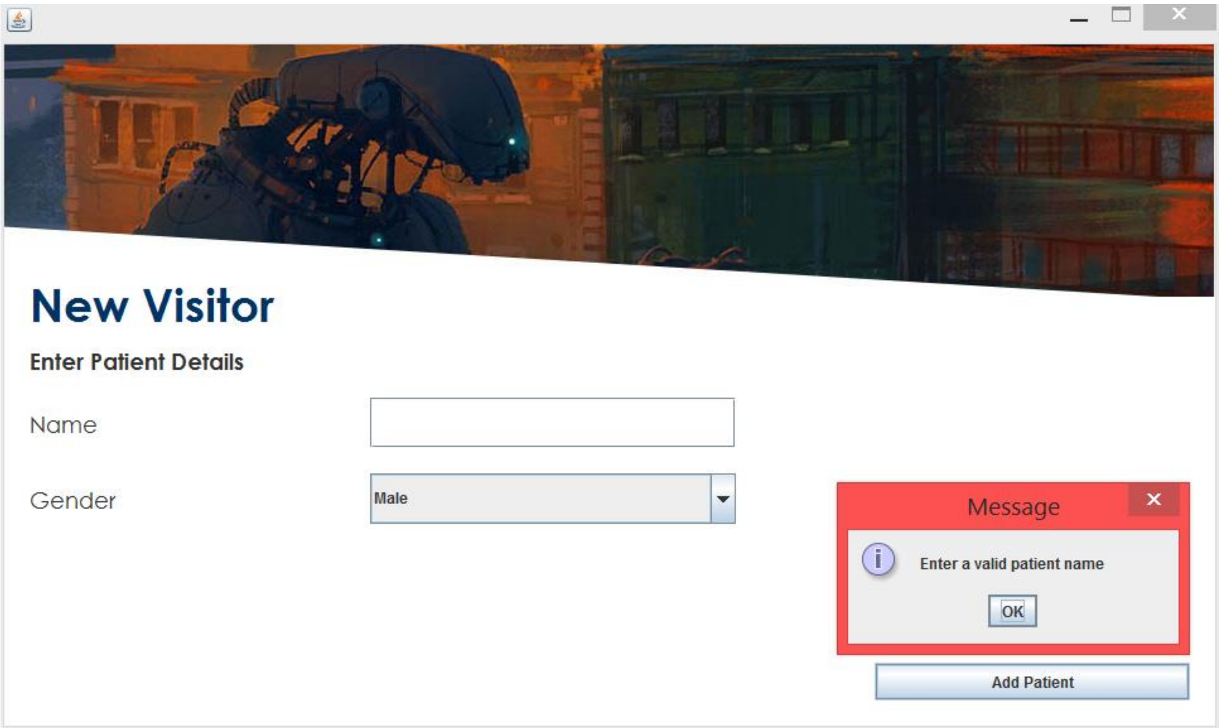
Error Displayed



Patient Name: kalyan

Patient record doesn't exist

INVALID PATIENT NAME DURING REGISTRATION



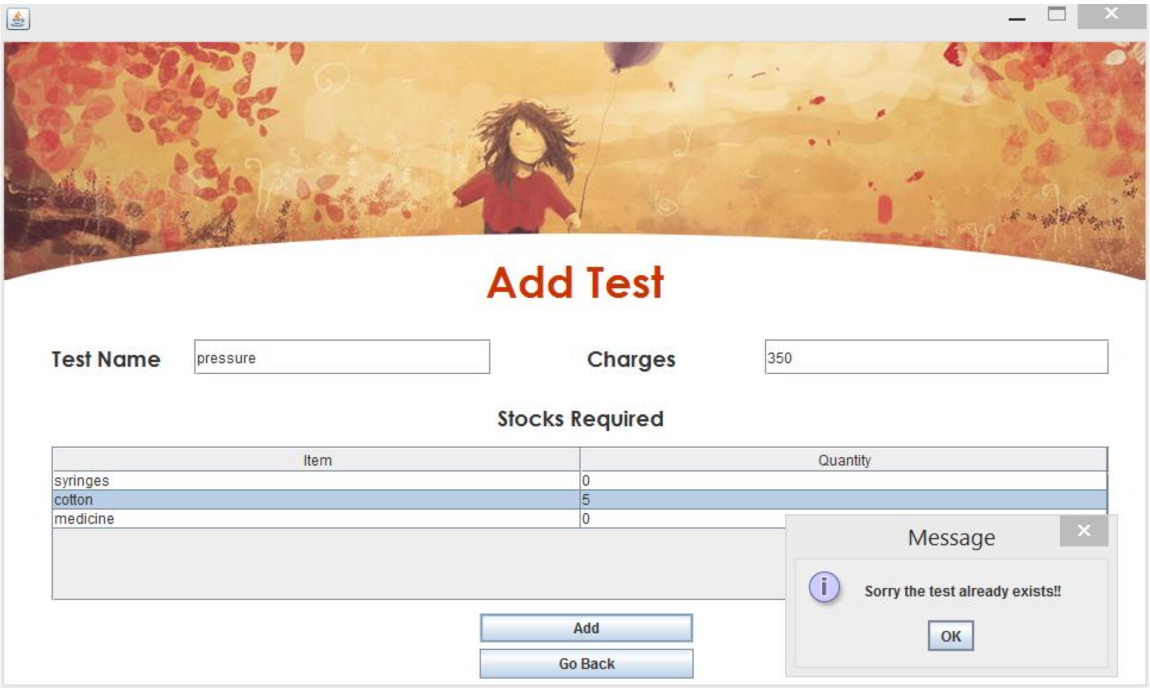
Name:

Gender: Male

Enter a valid patient name

MANAGEMENT PAGE

TEST TO BE ADDED ALREADY EXISTS



Add Test

Test Name: pressure

Charges: 350

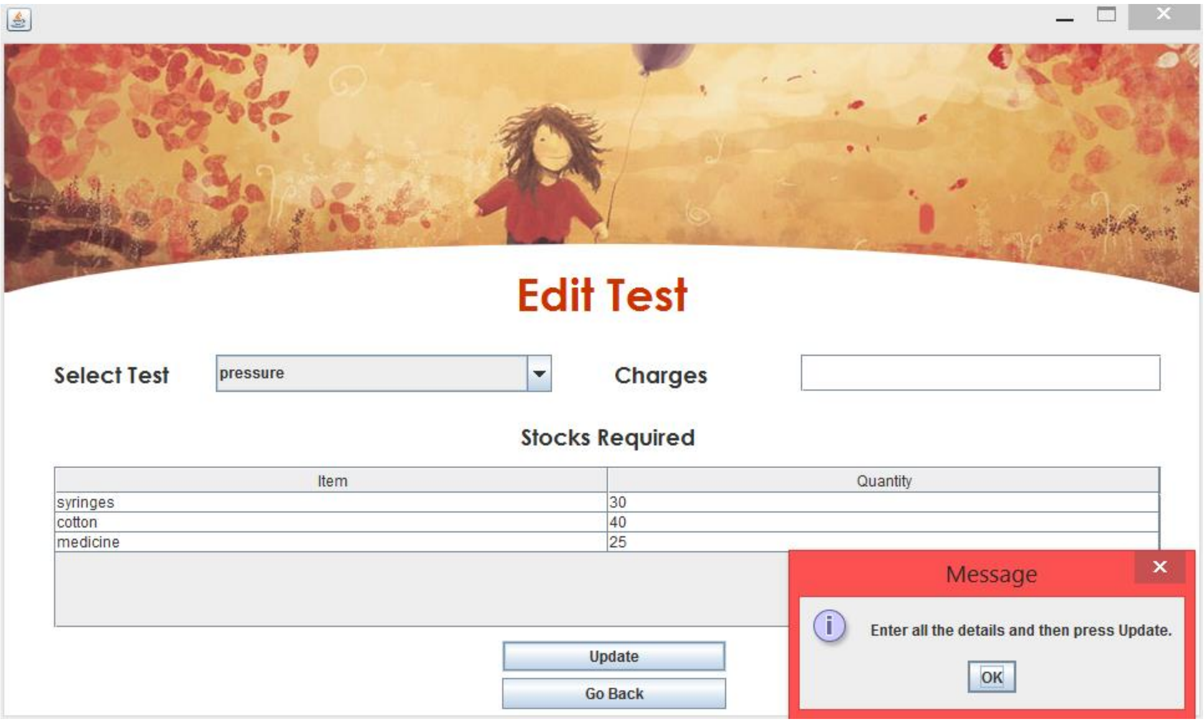
Stocks Required

Item	Quantity
syringes	0
cotton	5
medicine	0

Message

Sorry the test already exists!!

NO INPUT WHILE EDITING TESTS



Edit Test

Select Test: pressure

Charges:

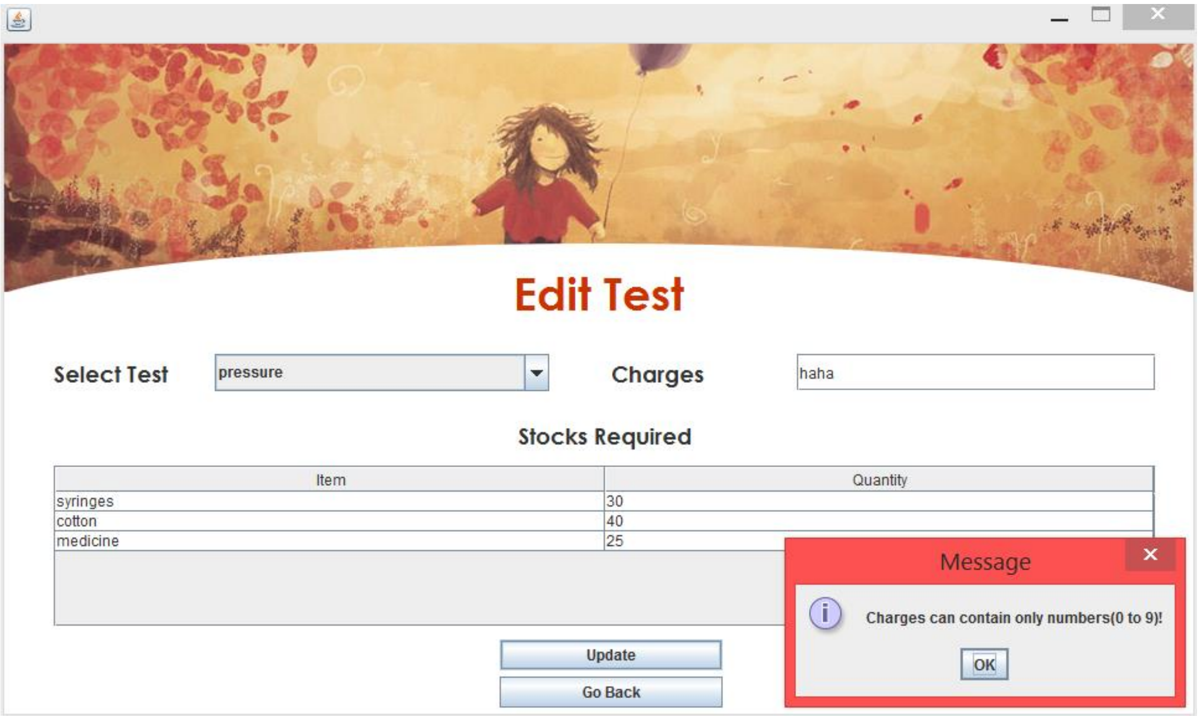
Stocks Required

Item	Quantity
syringes	30
cotton	40
medicine	25

Message

Enter all the details and then press Update.

TEST CHARGES CONTAINING NON-DIGITS ARE GIVEN AS INPUT



Edit Test

Select Test: pressure

Charges: haha

Stocks Required

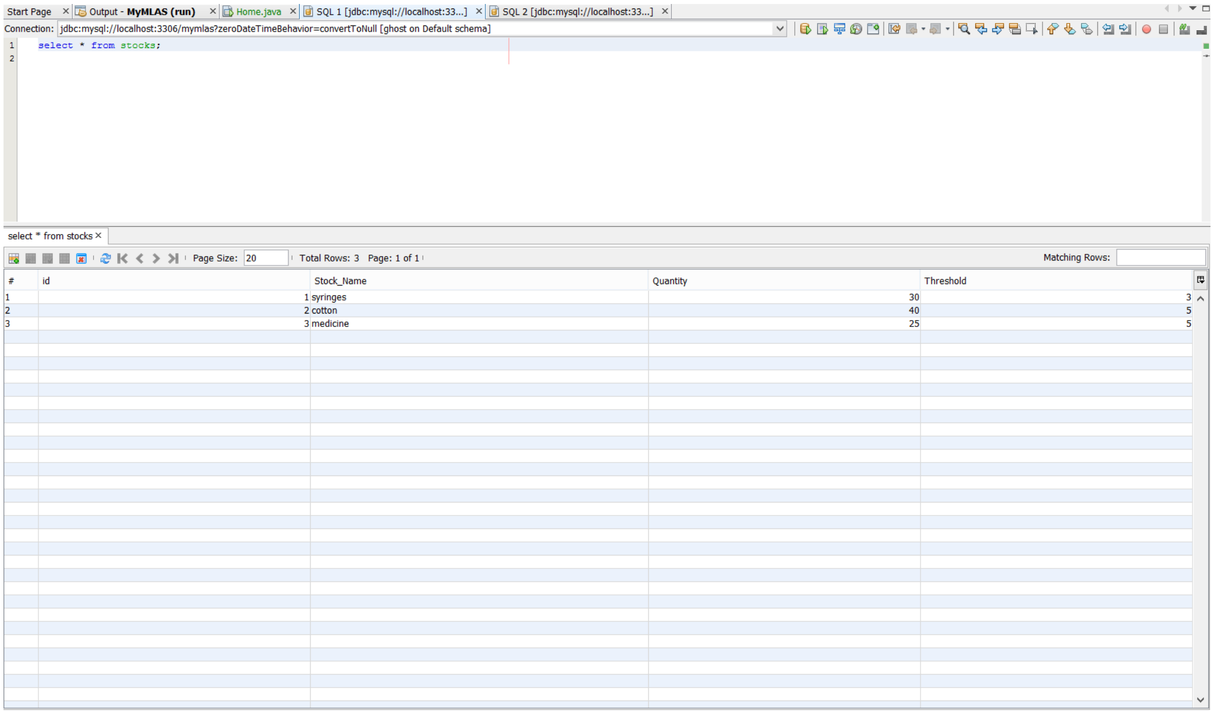
Item	Quantity
syringes	30
cotton	40
medicine	25

Message

Charges can contain only numbers(0 to 9)!

ADDING AN ALREADY EXISTING STOCK

Stocks Table before Adding



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

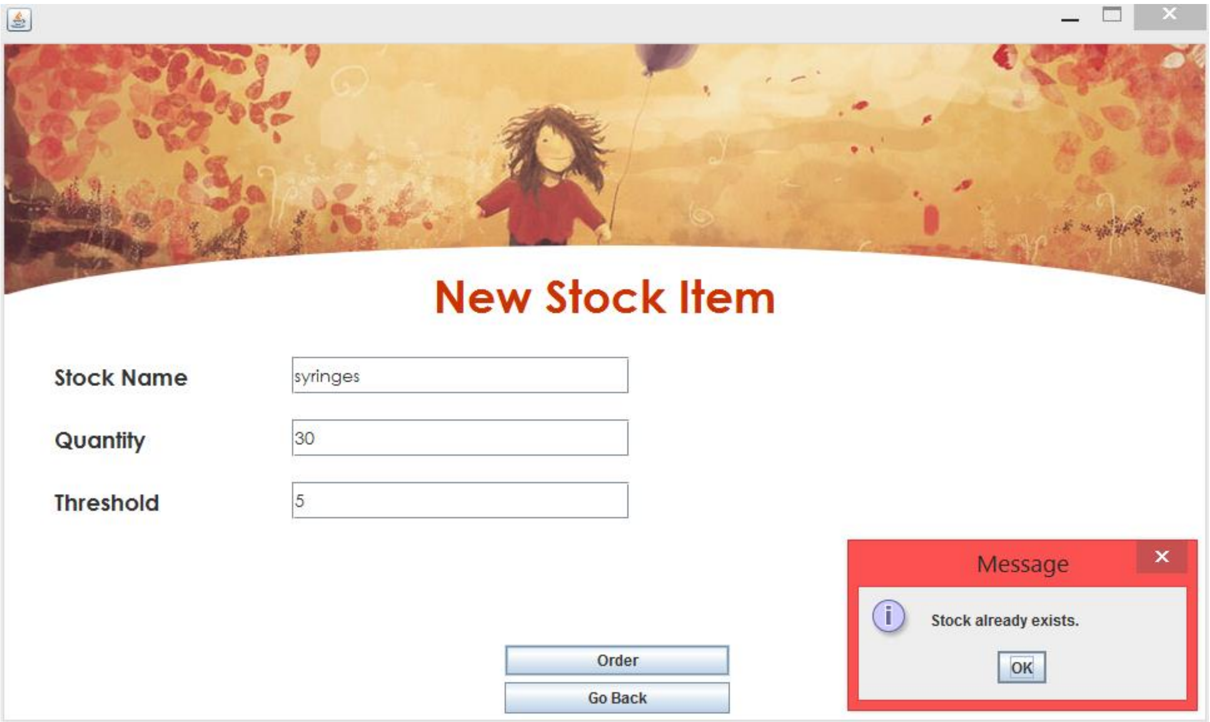
```
select * from stocks;
```

select * from stocks

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Stock_Name	Quantity	Threshold
1	1	syringes	30	3
2	2	cotton	40	5
3	3	medicine	25	5

Error Message Displayed



New Stock Item

Stock Name: syringes

Quantity: 30

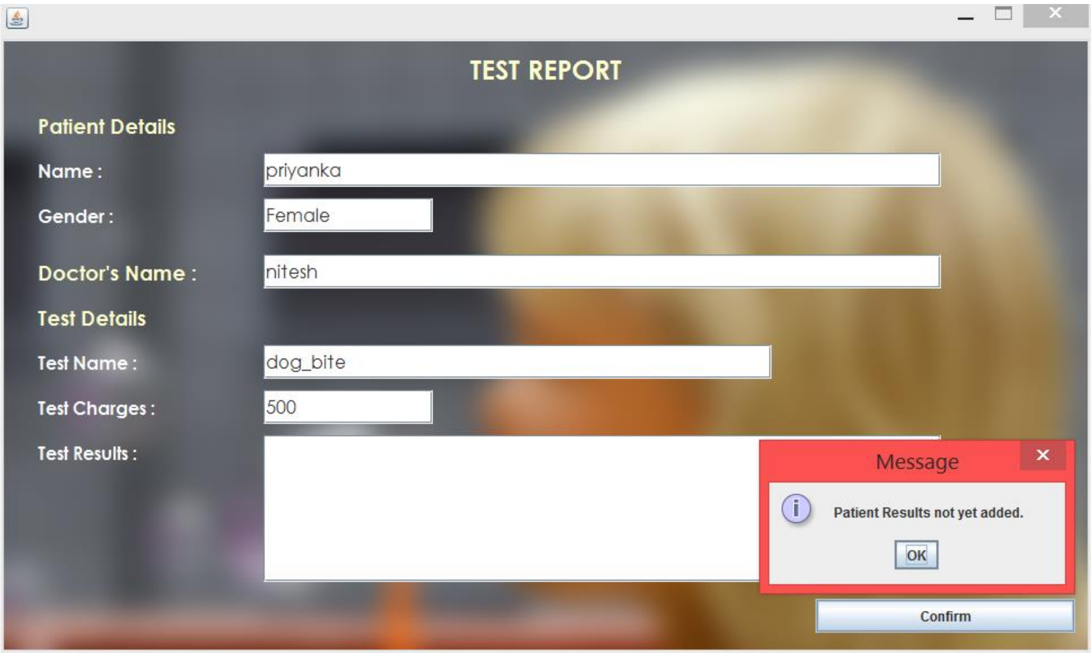
Threshold: 5

Message

Stock already exists.

GENERATION OF TEST REPORT

Patient Results not added



TEST REPORT

Patient Details

Name : priyanka

Gender : Female

Doctor's Name : nitesh

Test Details

Test Name : dog_bite

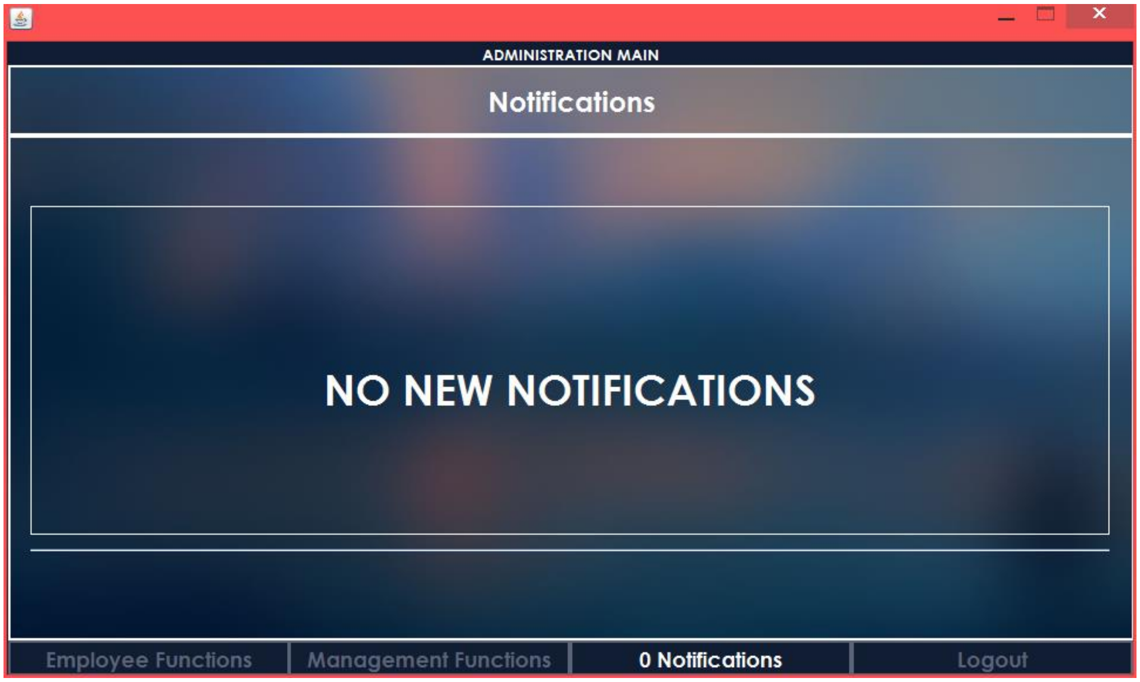
Test Charges : 500

Test Results :

Message

Patient Results not yet added.

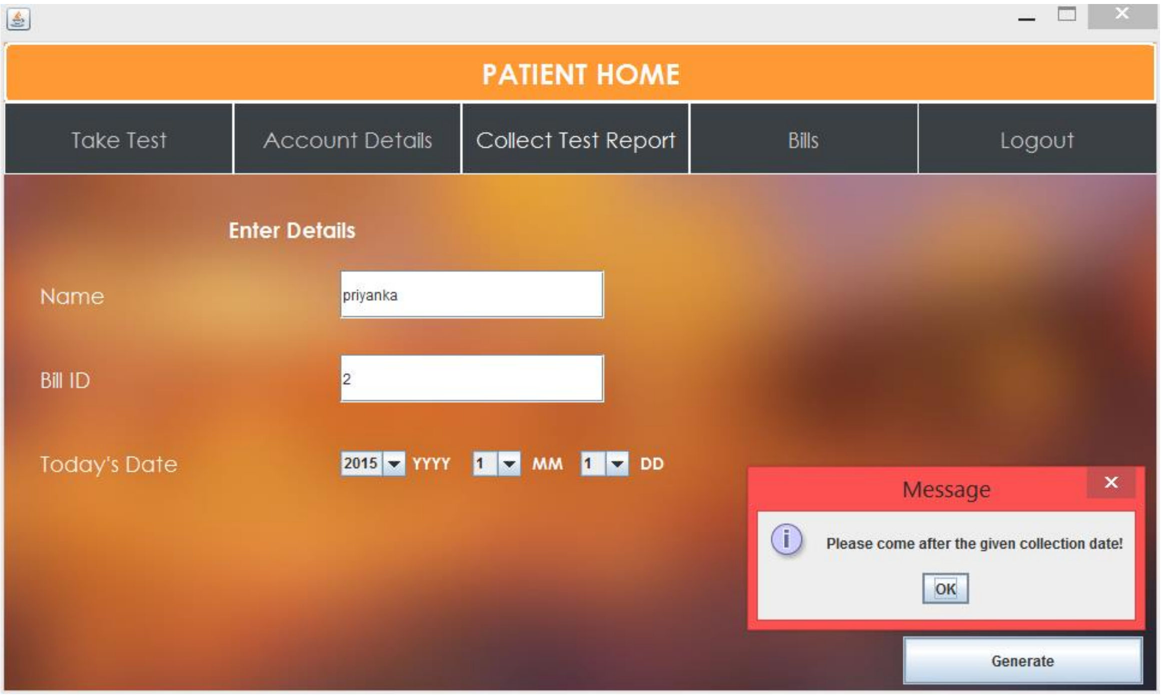
NO NOTIFICATIONS CHECK



NO NEW NOTIFICATIONS

PATIENT PAGE

TEST REPORT COLLECTION EARLIER THAN SPECIFIED DATE



Enter Details

Name: priyanka

Bill ID: 2

Today's Date: 2015 YYYY 1 MM 1 DD

Message

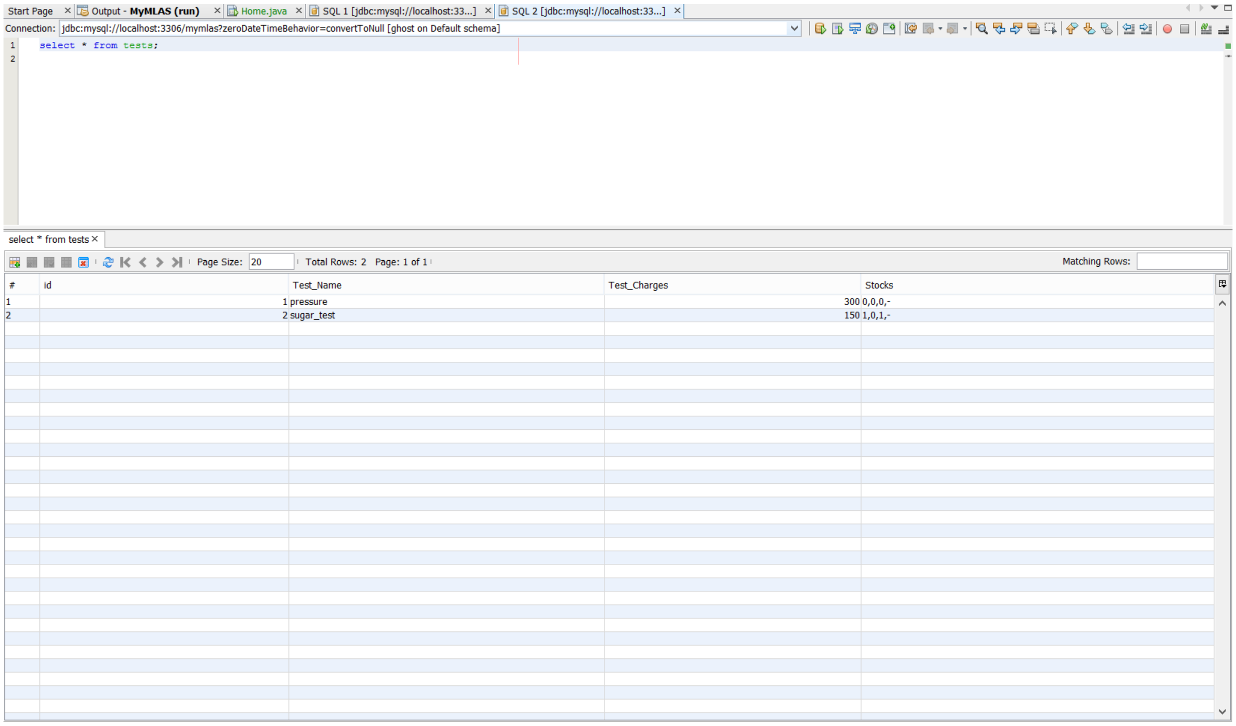
Please come after the given collection date!

UNIT TESTING (WHITE BOX TESTING)

MANAGEMENT_PAGE

ADDING A TEST

Database before Adding the test


Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

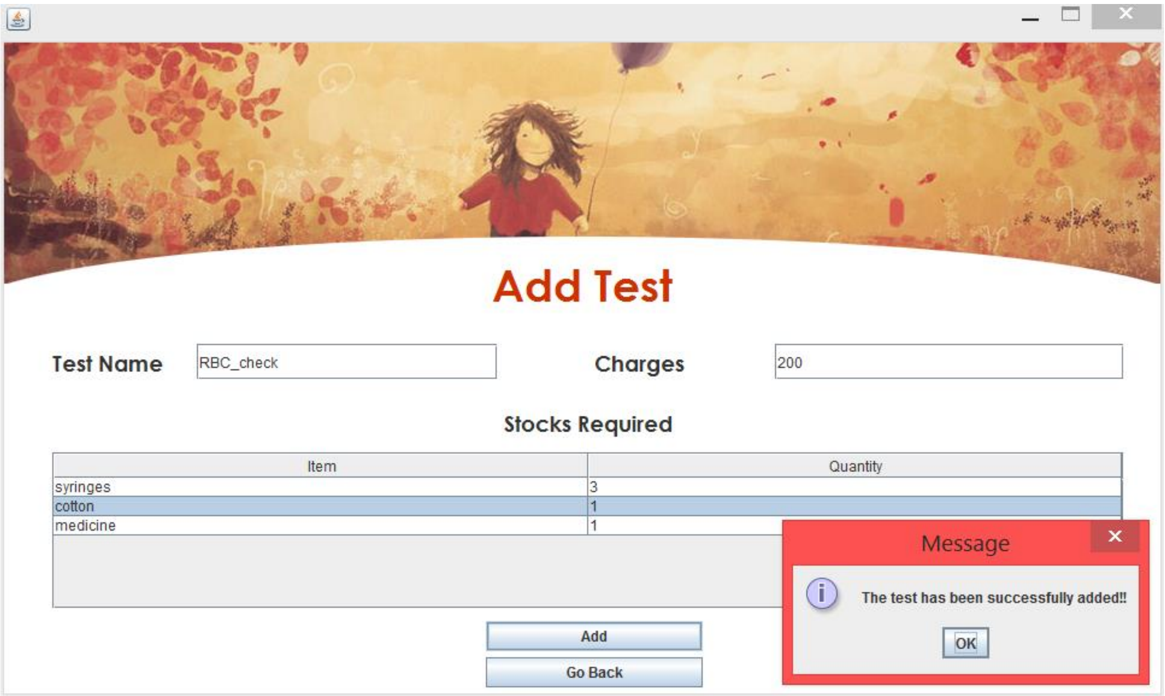
```
select * from tests;
```

select * from tests

Page Size: 20 Total Rows: 2 Page: 1 of 1 Matching Rows:

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	300	0,0,0,-
2	2	sugar_test	150	1,0,1,-

Success Result



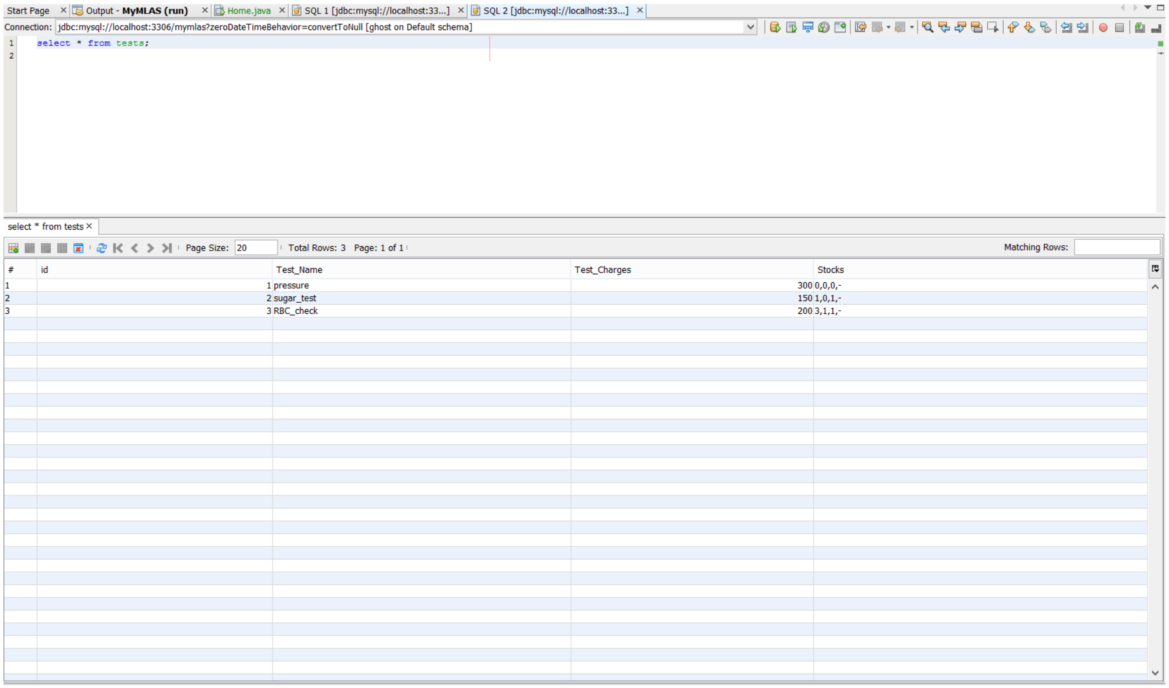
Test Name: RBC_check

Charges: 200

Item	Quantity
syringes	3
cotton	1
medicine	1

The test has been successfully added!!

Database After adding Test



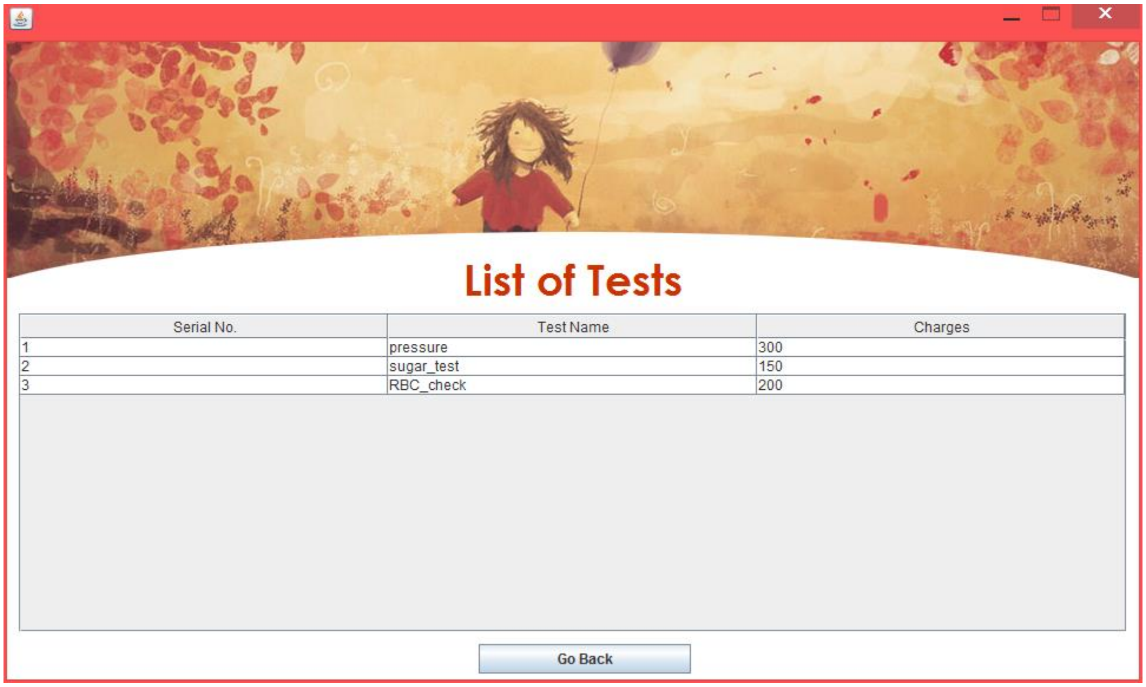
Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from tests;
```

Page Size: 20 Total Rows: 3 Page: 1 of 1

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	300	0,0,0,-
2	2	sugar_test	150	1,0,1,-
3	3	RBC_check	200	3,1,1,-

Tests listed after Adding

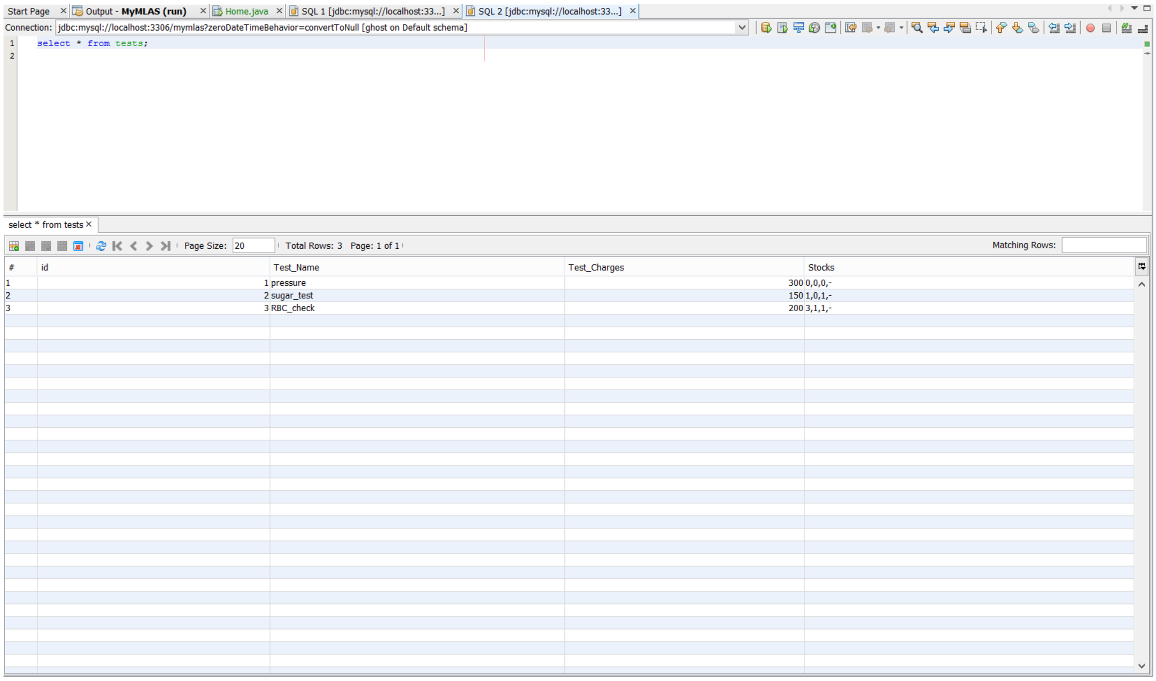


List of Tests

Serial No.	Test Name	Charges
1	pressure	300
2	sugar_test	150
3	RBC_check	200

REMOVING A TEST

Database of Tests before removing



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

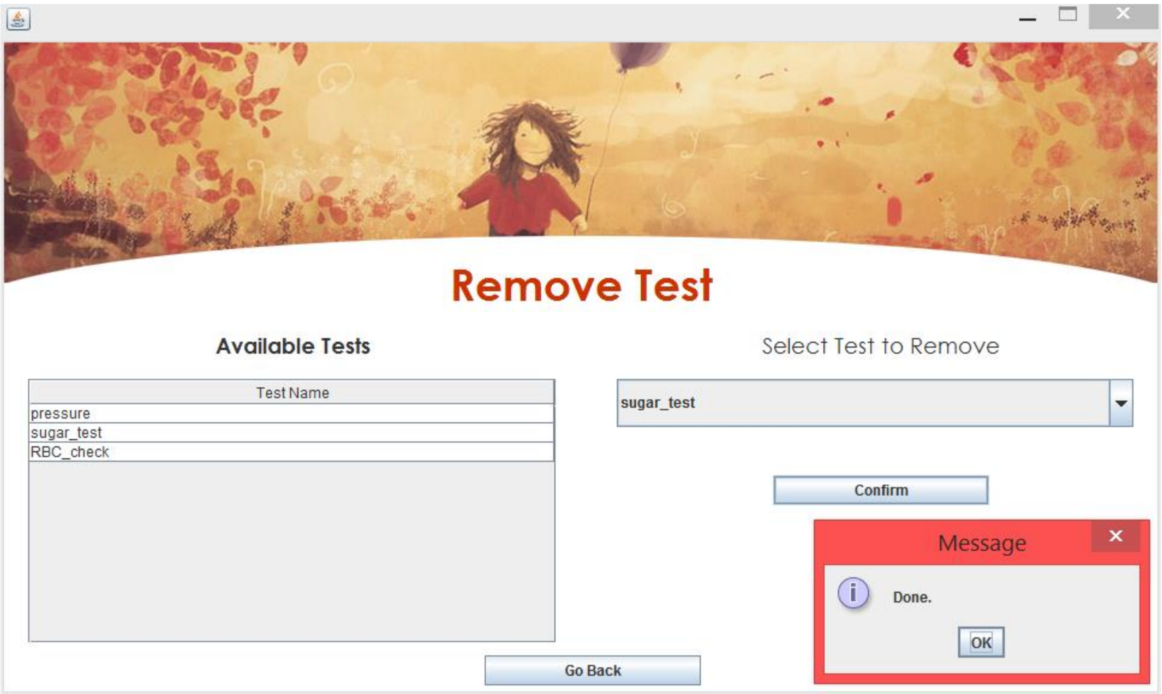
Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from tests;
```

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	300	0,0,0,-
2	2	sugar_test	150	1,0,1,-
3	3	RBC_check	200	3,1,1,-

Remove Test (Success)



Remove Test

Available Tests

Test Name
pressure
sugar_test
RBC_check

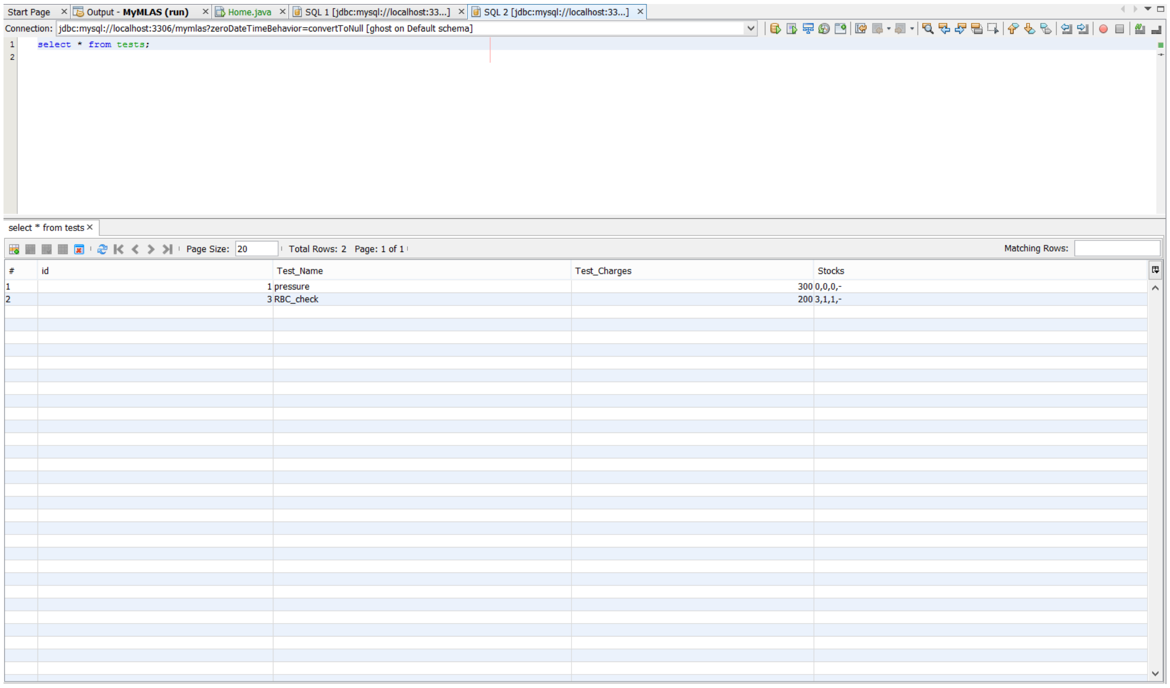
Select Test to Remove

sugar_test

Message

Done.

Database after removing a test



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from tests;
```

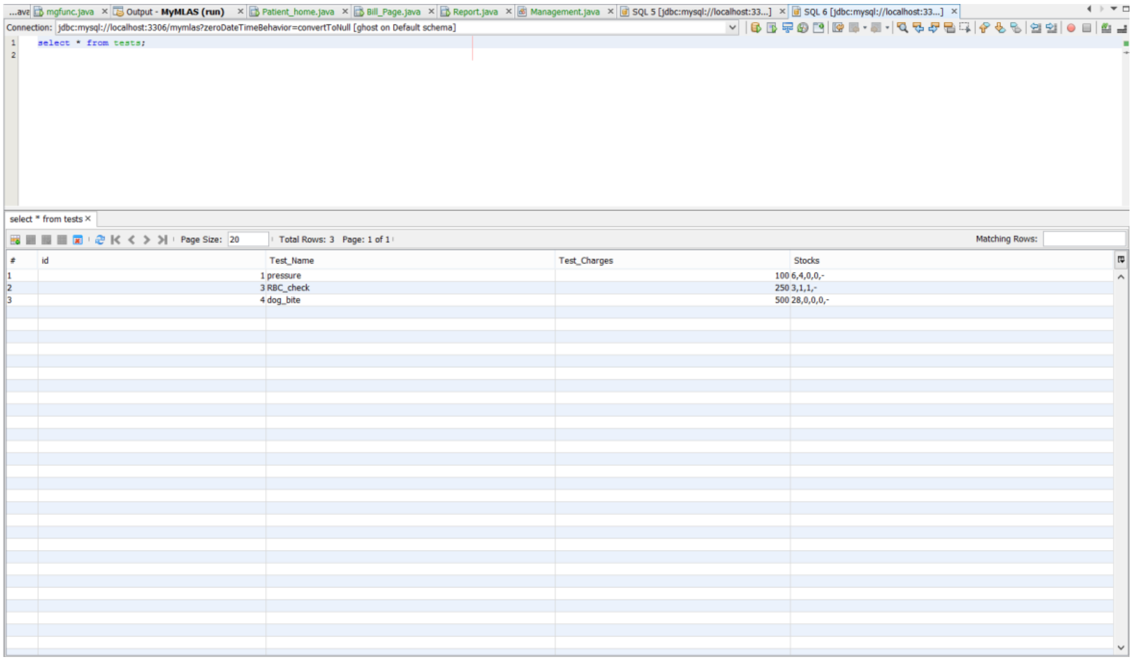
select * from tests

Page Size: 20 Total Rows: 2 Page: 1 of 1 Matching Rows:

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	300	0,0,0,-
2	3	RBC_check	200	3,1,1,-

EDIT TEST

Database before Editing Test



Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

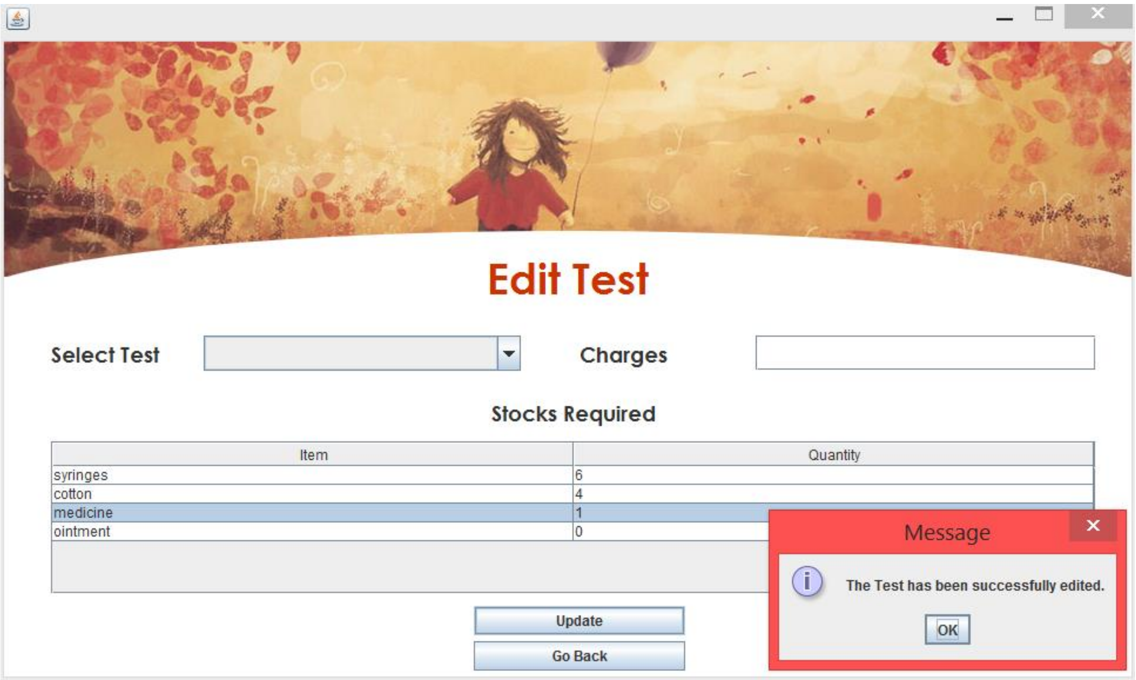
```
select * from tests;
```

select * from tests

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	100	6,4,0,0,-
2	3	RBC_check	250	3,1,1,-
3	4	dog_bite	500	28,0,0,0,-

Edit Test (Success)



Edit Test

Select Test

Charges

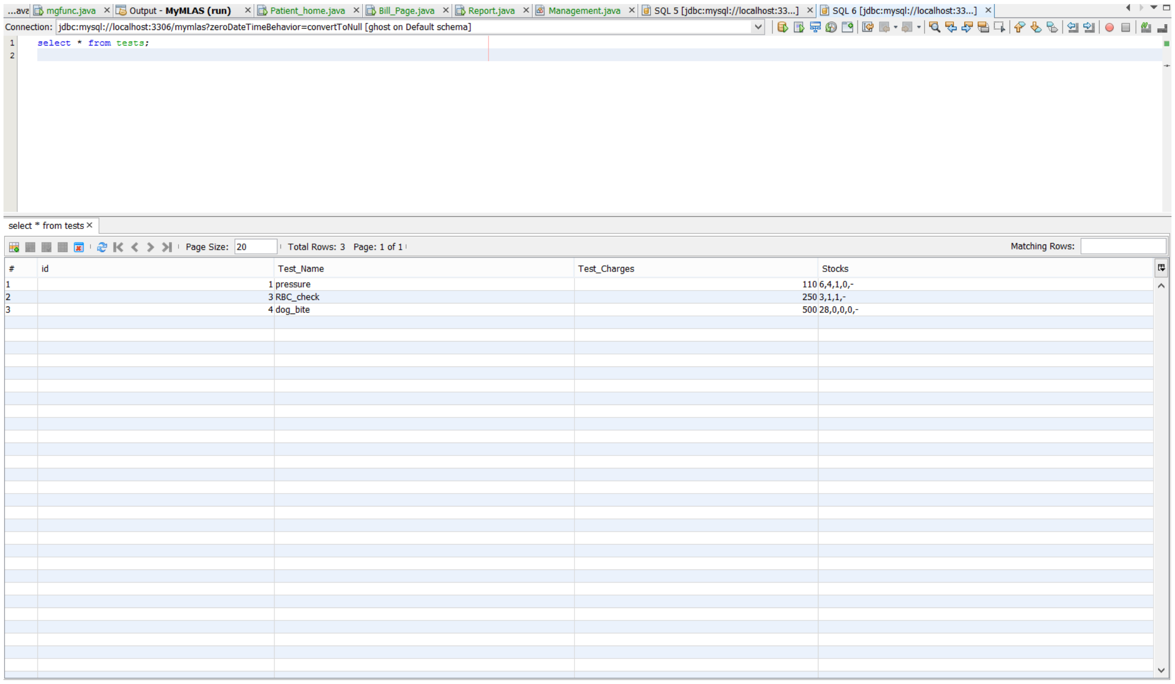
Stocks Required

Item	Quantity
syringes	6
cotton	4
medicine	1
ointment	0

Message

The Test has been successfully edited.

Database after Editing of Test



Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from tests;
```

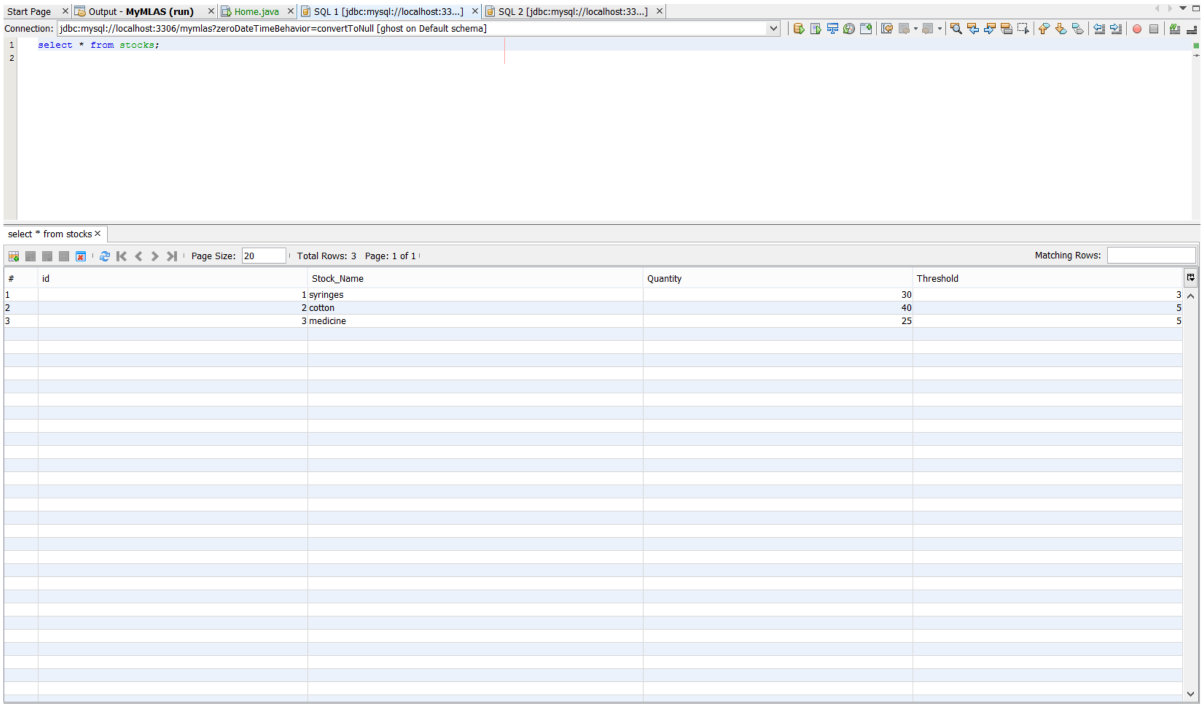
select * from tests

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Test_Name	Test_Charges	Stocks
1	1	pressure	110	6,4,1,0,-
2	3	RBC_check	250	3,1,1,-
3	4	dog_bite	500	28,0,0,0,-

ADDING A STOCK ITEM

Database (Stocks) before Adding



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

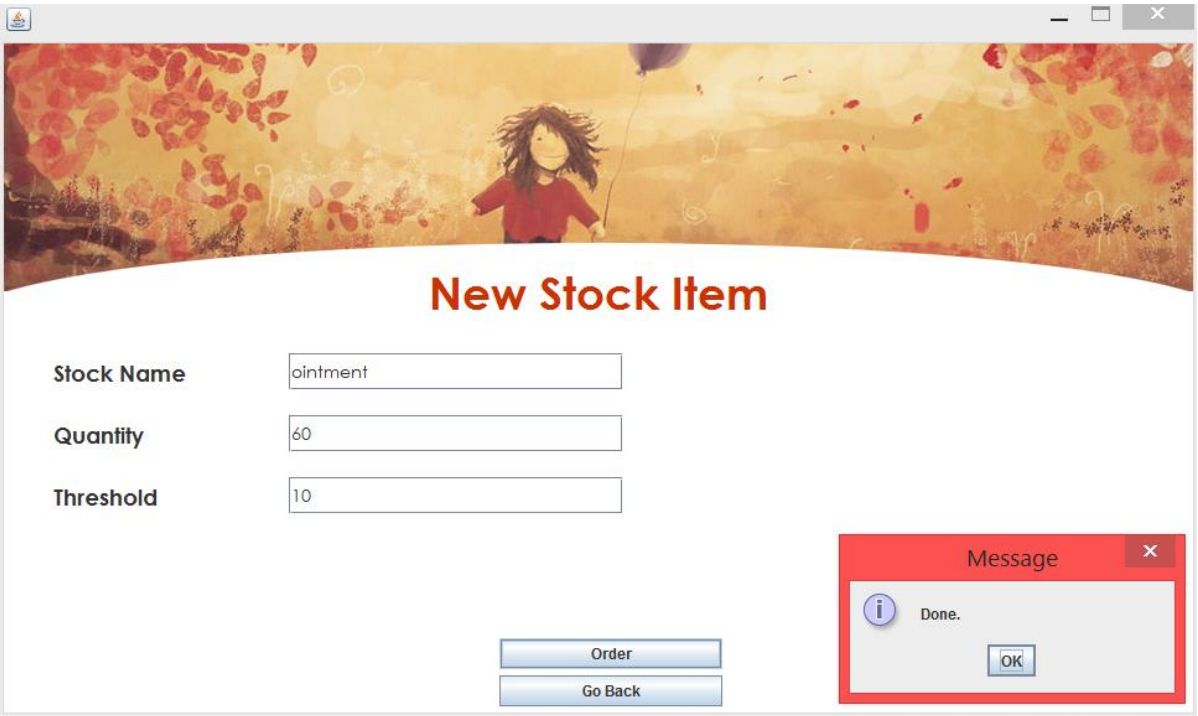
```
select * from stocks;
```

select * from stocks

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Stock_Name	Quantity	Threshold
1	1	syringes	30	3
2	2	cotton	40	5
3	3	medicine	25	5

Add Stock (Success)



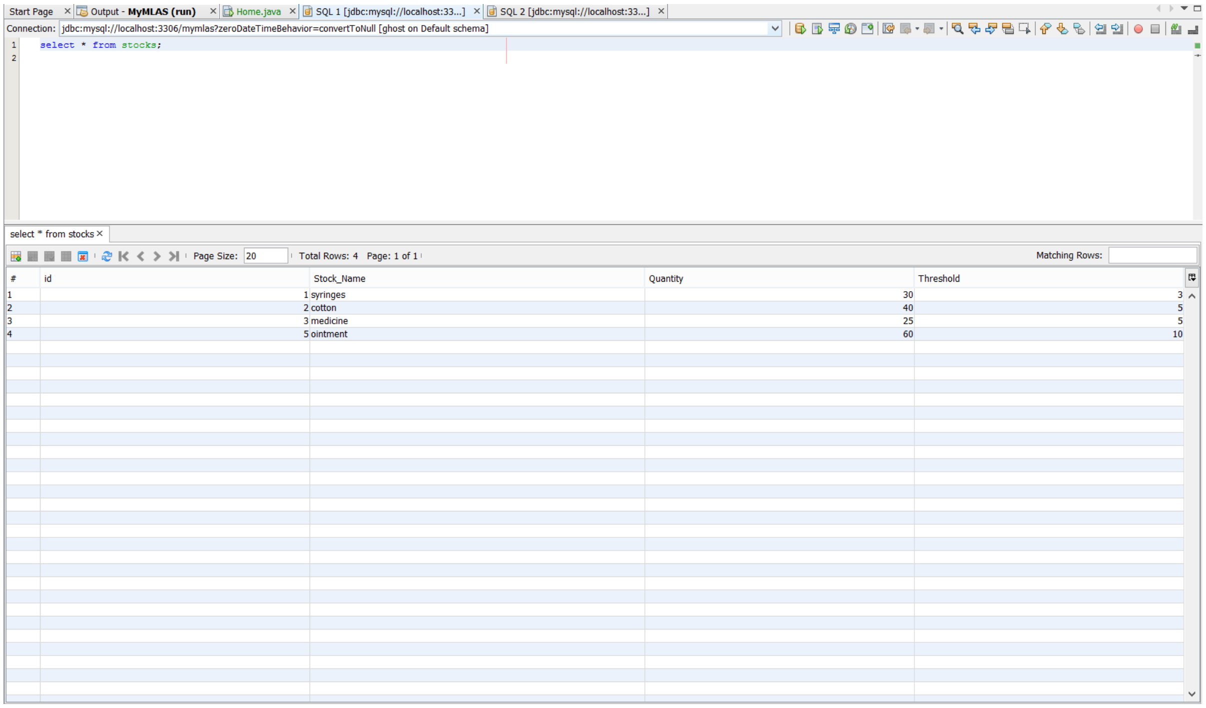
New Stock Item

Stock Name	ointment
Quantity	60
Threshold	10

Message

Done.

Database after Stock Added



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from stocks;
```

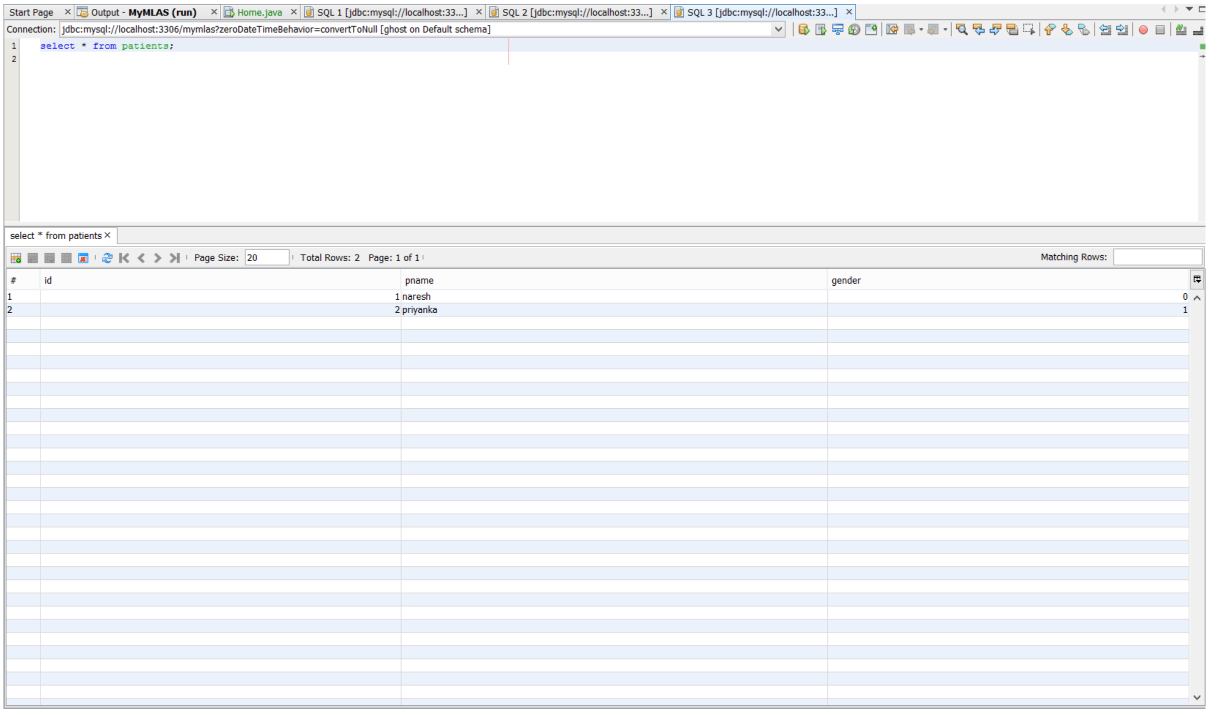
select * from stocks

Page Size: 20 Total Rows: 4 Page: 1 of 1 Matching Rows:

#	id	Stock_Name	Quantity	Threshold
1	1	syringes	30	3
2	2	cotton	40	5
3	3	medicine	25	5
4	5	ointment	60	10

ADD PATIENT

Database before addition of Patient



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

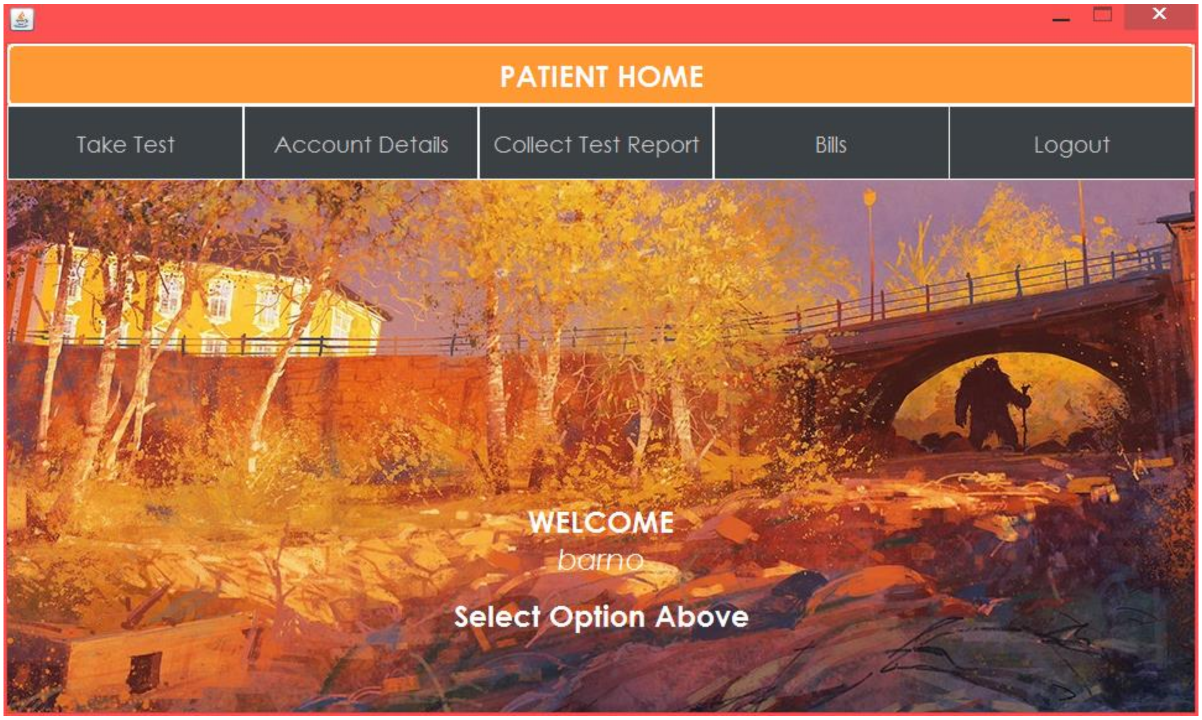
```
select * from patients;
```

select * from patients

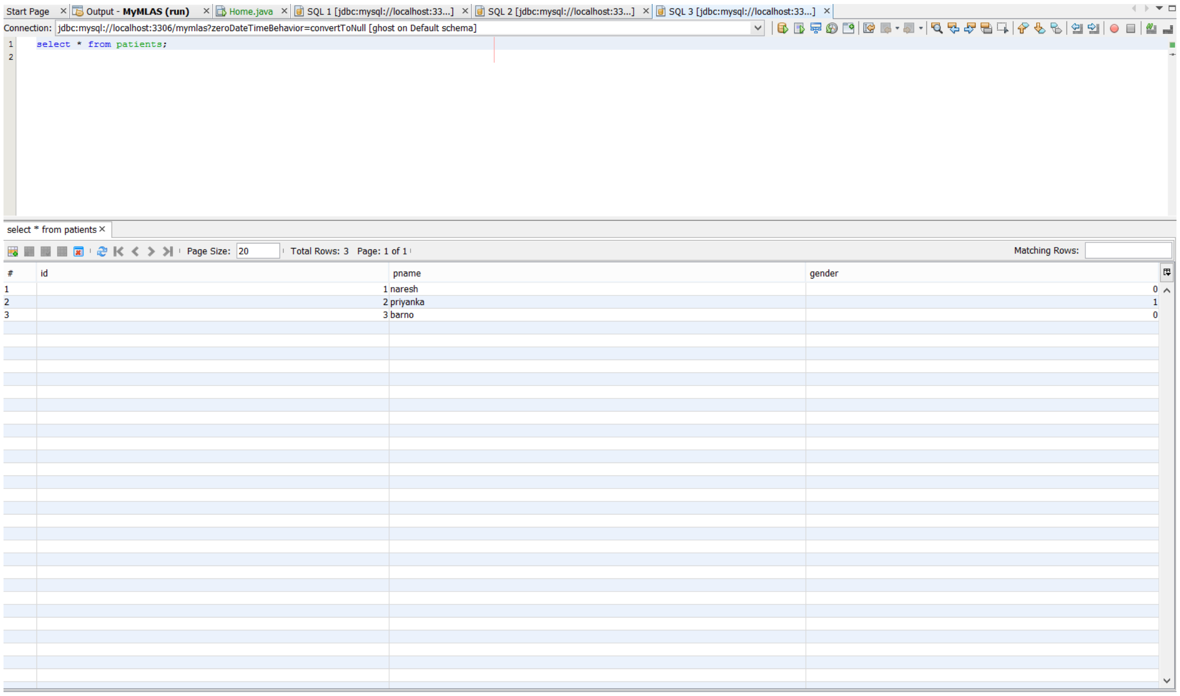
Page Size: 20 Total Rows: 2 Page: 1 of 1 Matching Rows:

#	id	pname	gender
1	1	naresh	0
2	2	priyanka	1

Add Patient (Success)



Database after addition of Patient


Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from patients;
```

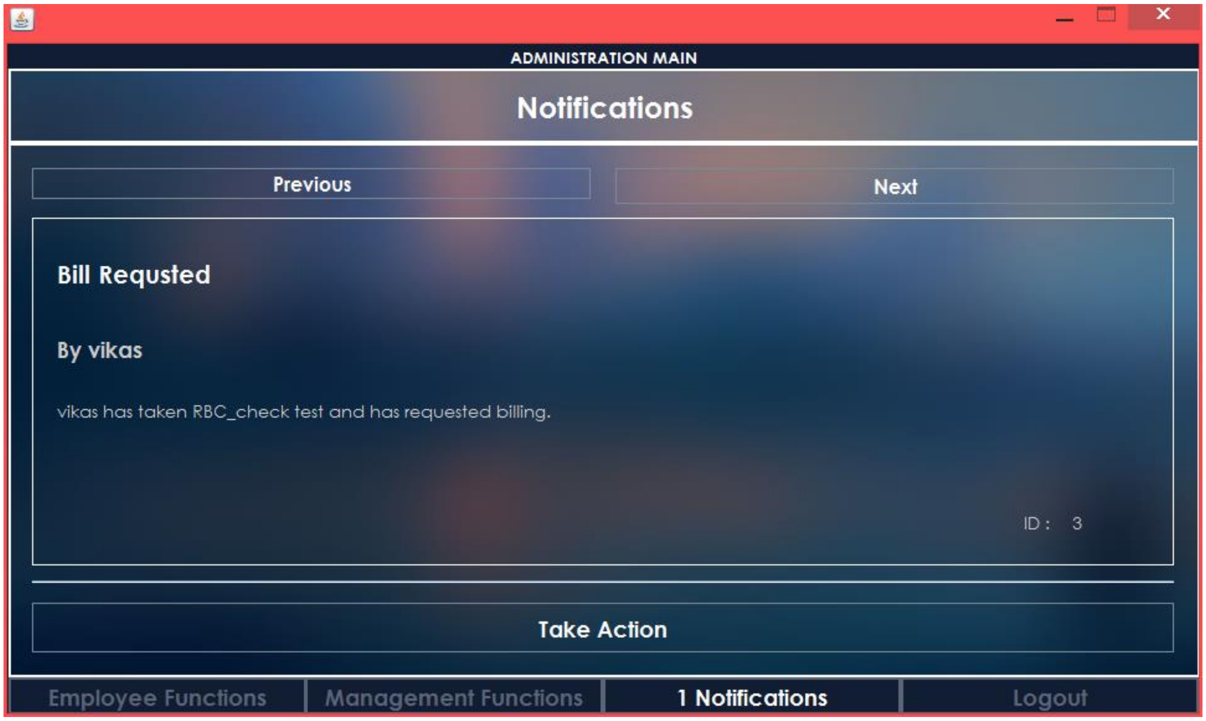
select * from patients

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	pname	gender
1	1	naresh	0
2	2	priyanka	1
3	3	barno	0

GENERATION OF BILL

Notification for Generation of Bill



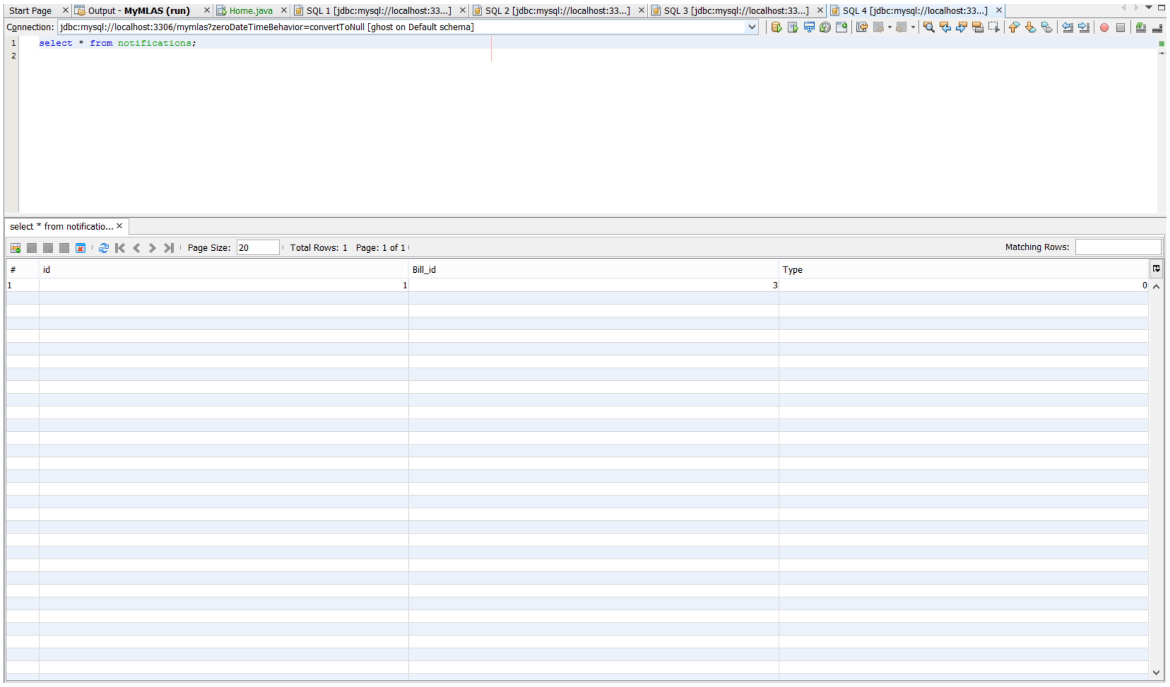
Bill Requsted

By vikas

vikas has taken RBC_check test and has requested billing.

ID : 3

Database before Bill Generation



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

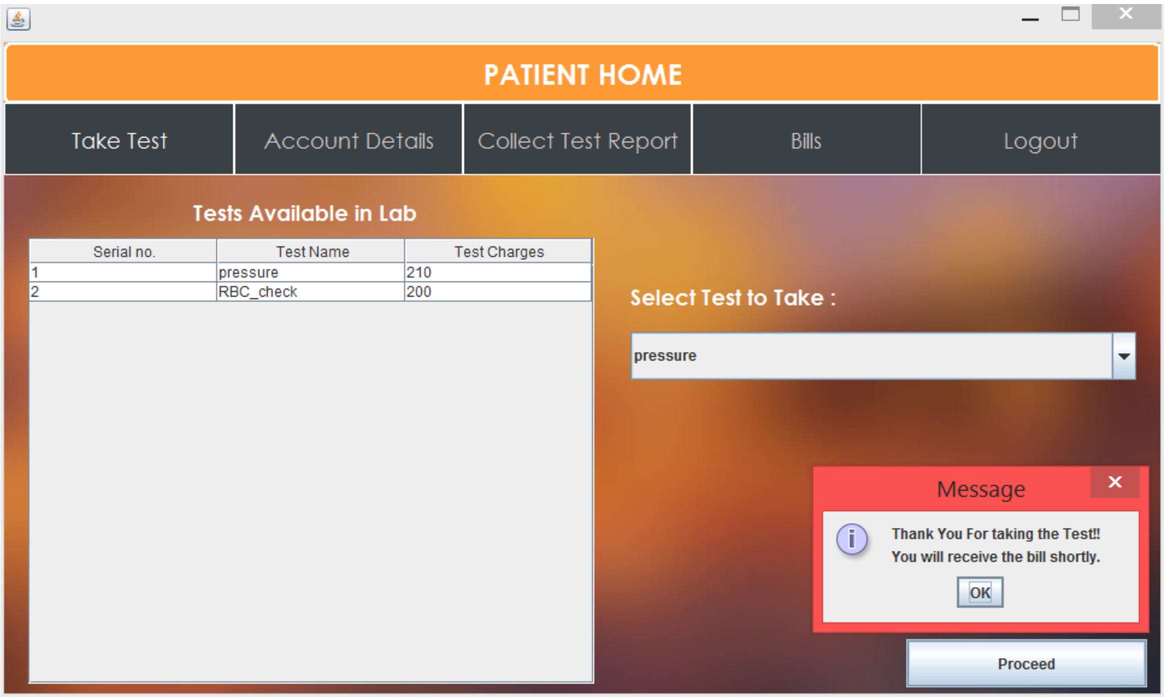
```sql
select * from notifications;
```

select * from notificatio...

Page Size: 20 Total Rows: 1 Page: 1 of 1 Matching Rows:

#	id	Bill_id	Type
1	1	3	0

Generate Bill



Tests Available in Lab

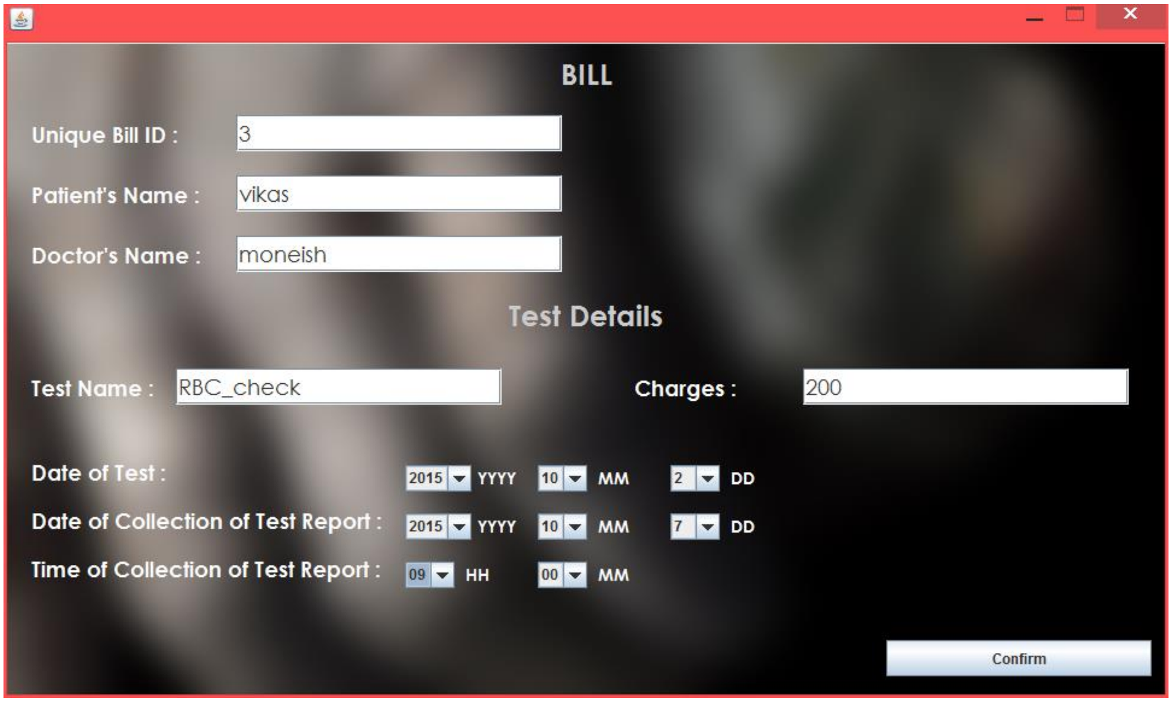
Serial no.	Test Name	Test Charges
1	pressure	210
2	RBC_check	200

Select Test to Take : pressure

Message

Thank You For taking the Test!!
You will receive the bill shortly.

Bill Generation (Success)



BILL

Unique Bill ID : 3

Patient's Name : vikas

Doctor's Name : moneish

Test Details

Test Name : RBC_check

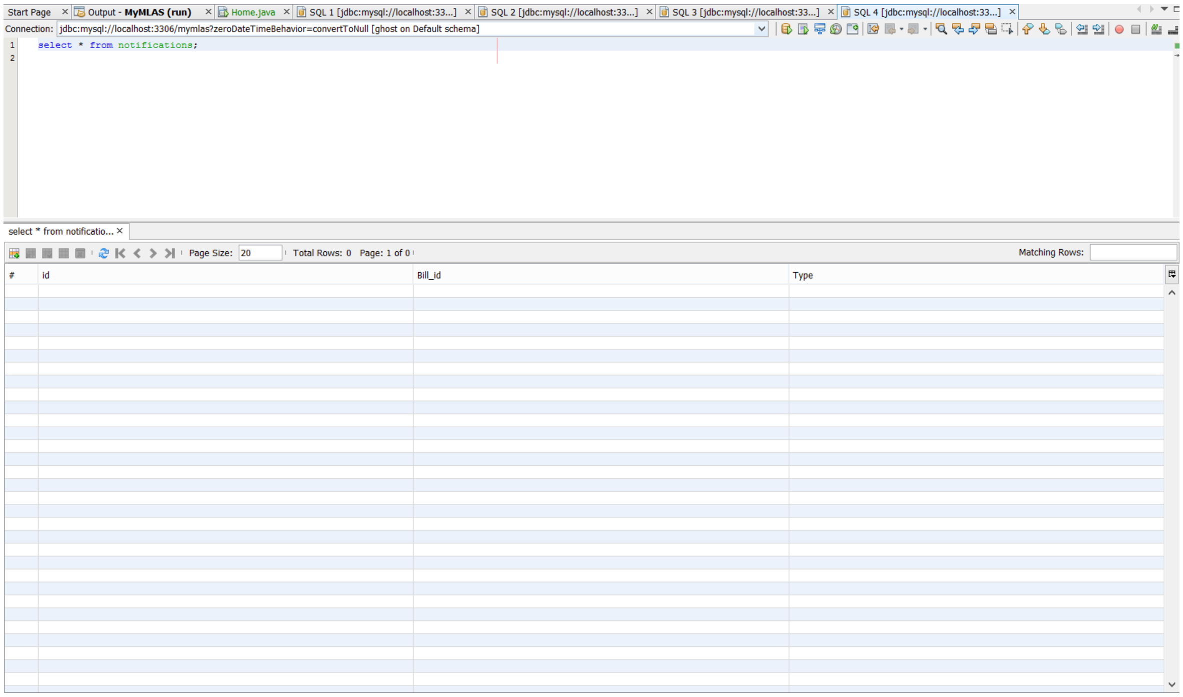
Charges : 200

Date of Test : 2015 YYYY 10 MM 2 DD

Date of Collection of Test Report : 2015 YYYY 10 MM 7 DD

Time of Collection of Test Report : 09 HH 00 MM

Database after Bill Generation



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from notifications;
```

select * from notificatio...

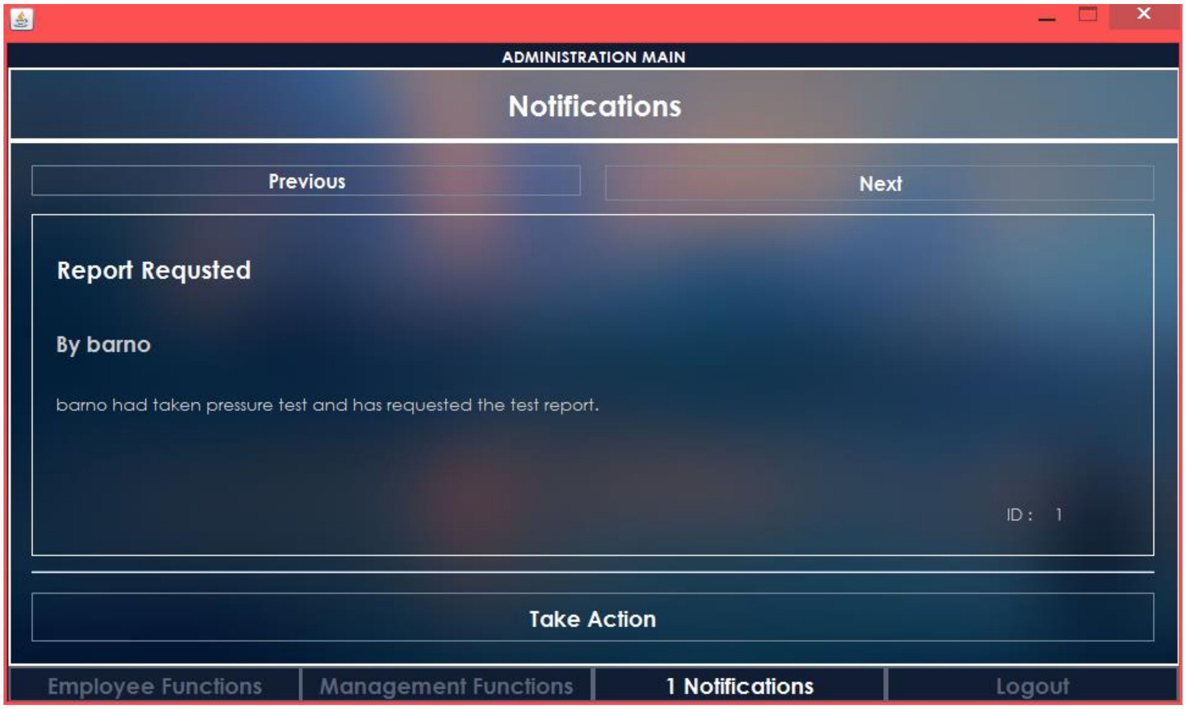
Page Size: 20 Total Rows: 0 Page: 1 of 0

Matching Rows:

#	id	Bill_id	Type

GENERATE TEST REPORT

Test Report notification



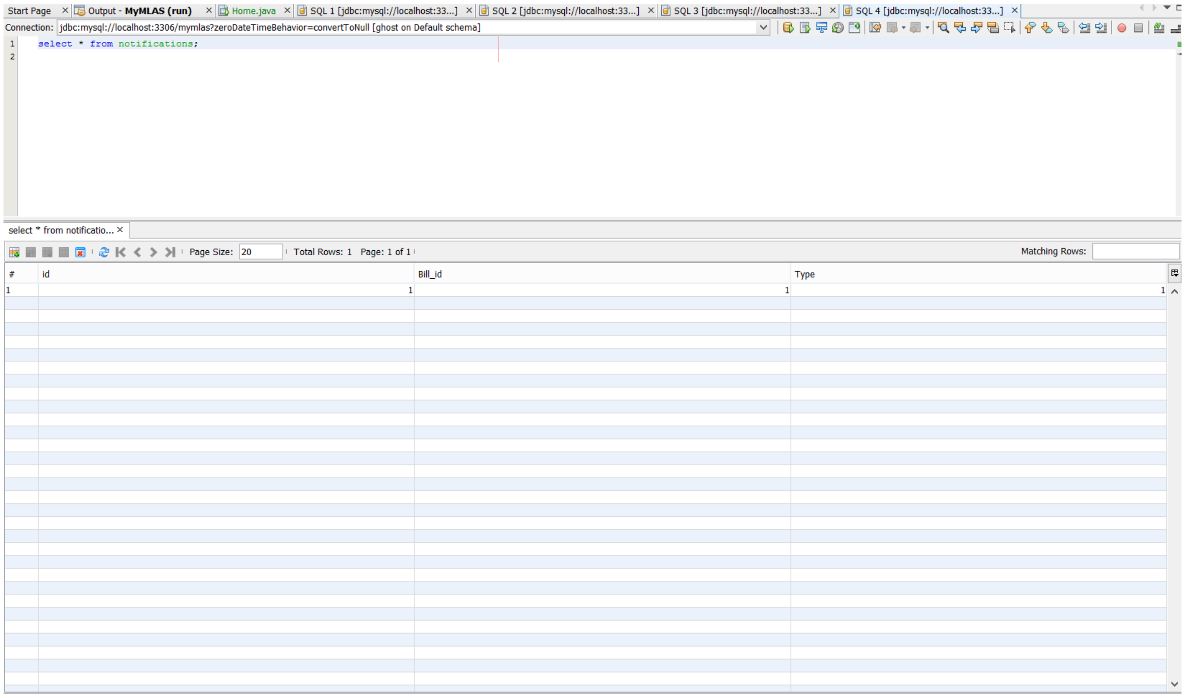
Report Requsted

By barno

barno had taken pressure test and has requested the test report.

ID : 1

Database before Test Report Generation


Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

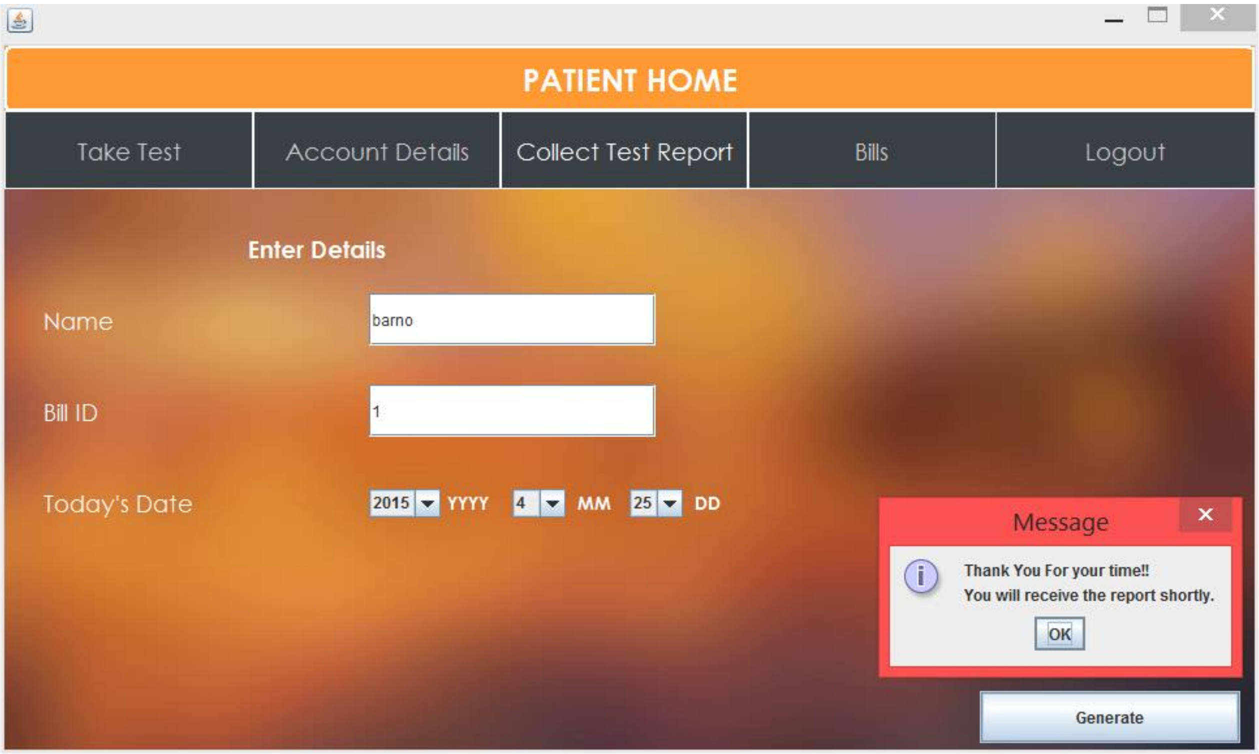
```
select * from notifications;
```

select * from notificatio...

Page Size: 20 Total Rows: 1 Page: 1 of 1 Matching Rows:

#	id	Bill_id	Type
1	1	1	1

Generate Test Report



Enter Details

Name: barno

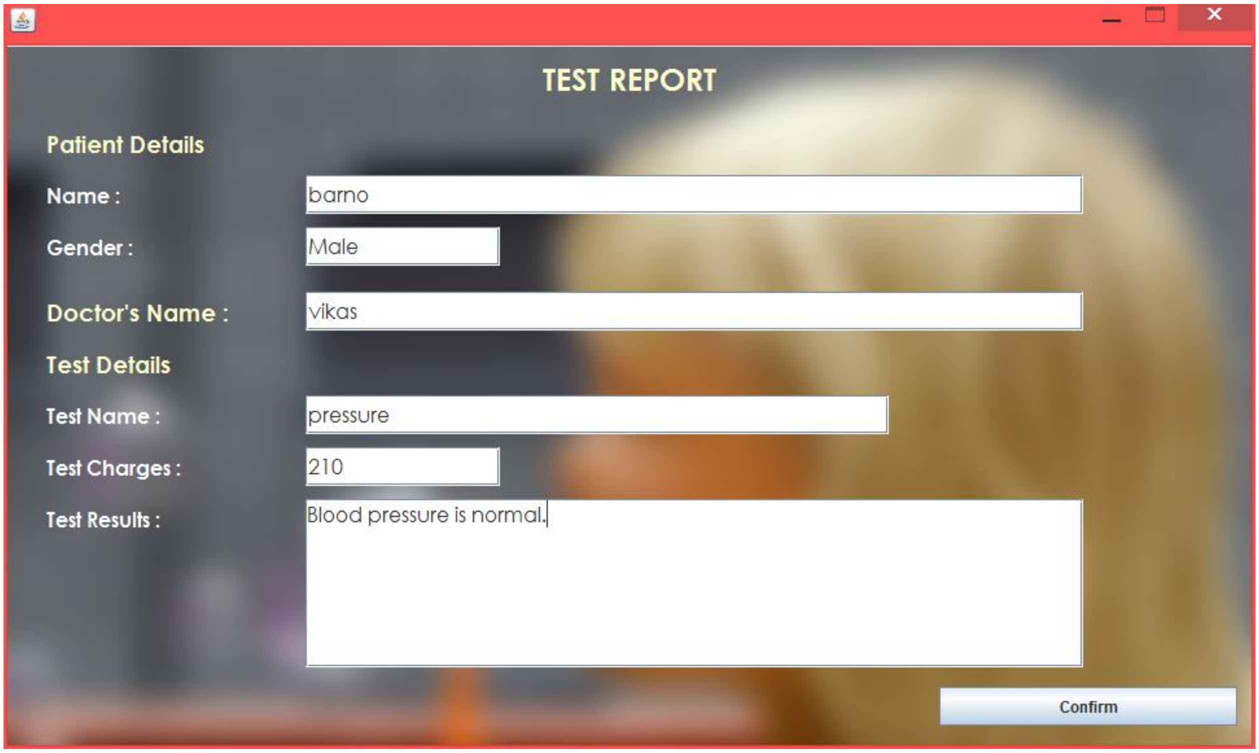
Bill ID: 1

Today's Date: 2015 YYYY 4 MM 25 DD

Message

Thank You For your time!!
You will receive the report shortly.

Test Report Generated (Success)



TEST REPORT

Patient Details

Name : barno

Gender : Male

Doctor's Name : vikas

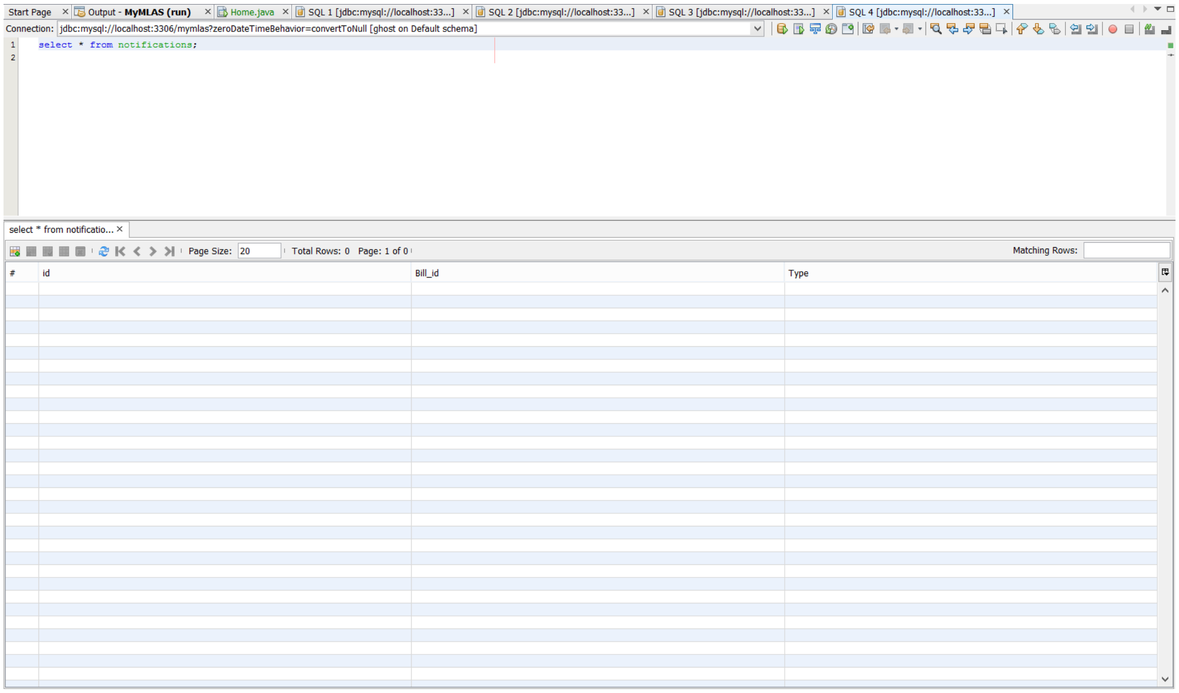
Test Details

Test Name : pressure

Test Charges : 210

Test Results : Blood pressure is normal.

Database after Test Report Generation



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from notifications;
```

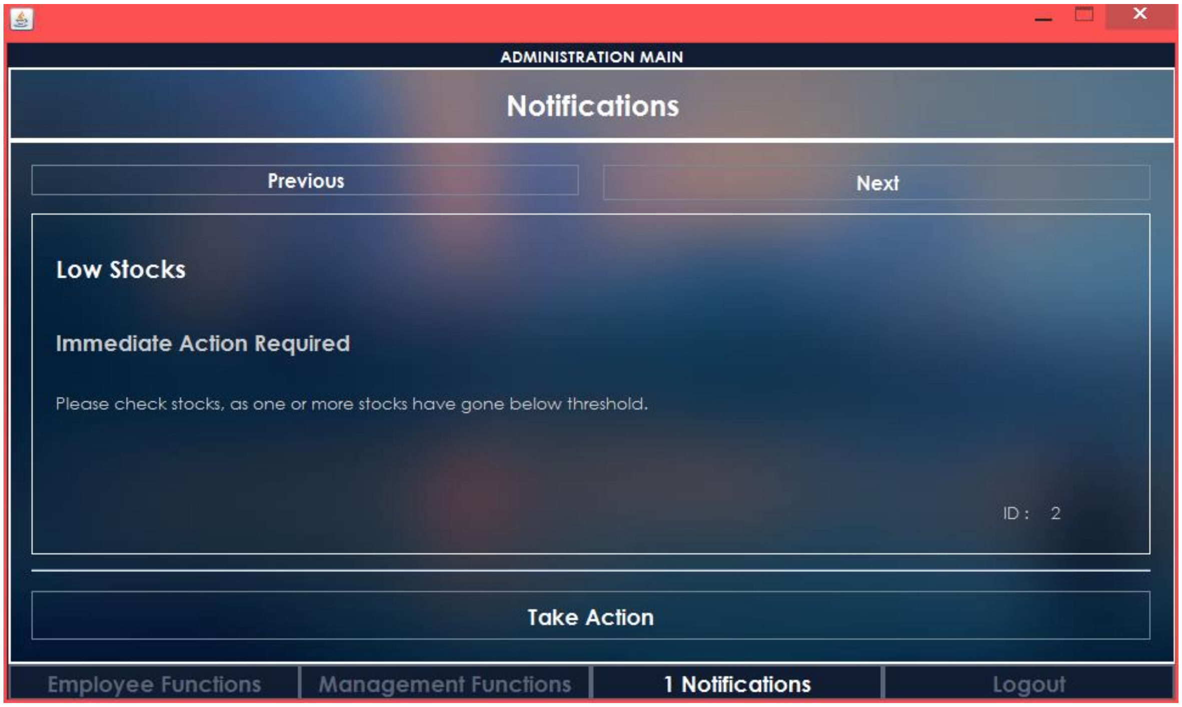
select * from notificatio...

Page Size: 20 Total Rows: 0 Page: 1 of 0

Matching Rows:

#	id	Bill_id	Type

LOW STOCK NOTIFICATION



Low Stocks

Immediate Action Required

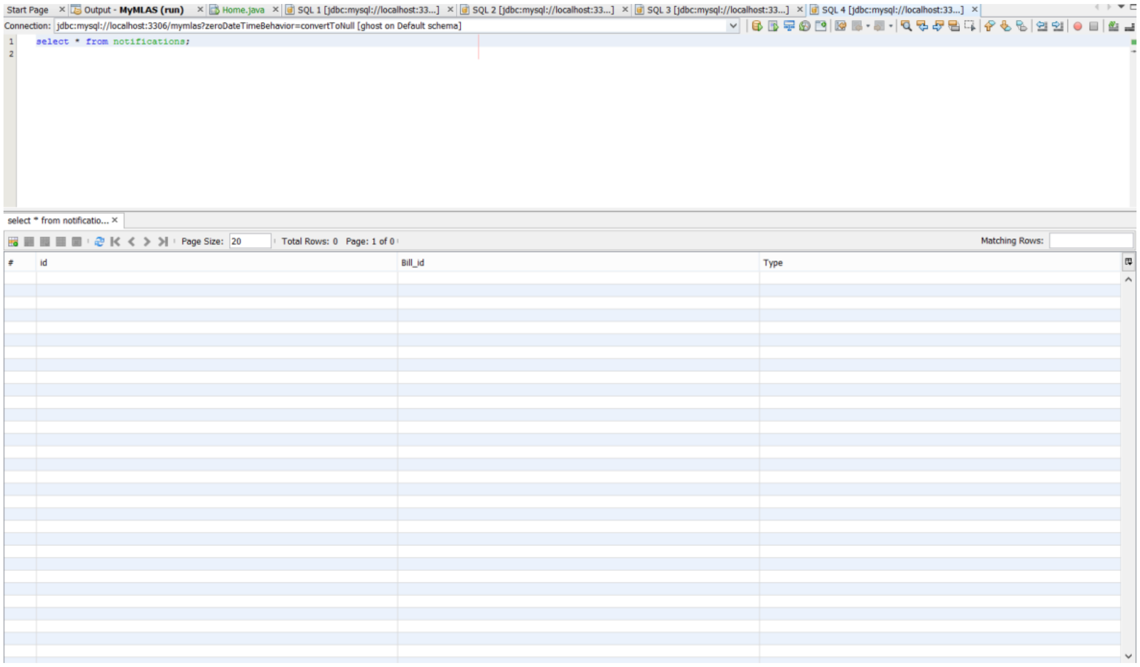
Please check stocks, as one or more stocks have gone below threshold.

ID : 2

PATIENT PAGE

TAKE TEST

Database before Taking Test


Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]
select * from notificatio...

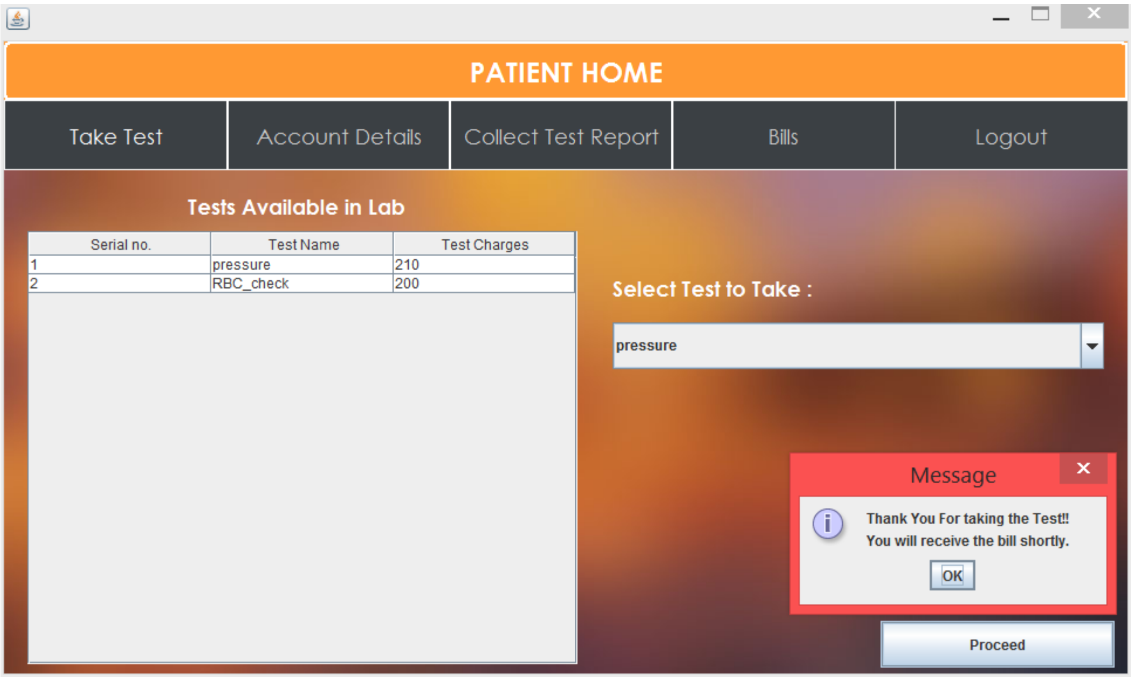
Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from notifications;
```

Page Size: 20 Total Rows: 0 Page: 1 of 0 Matching Rows:

#	id	Bill_id	Type

Take Test (Success)



Tests Available in Lab

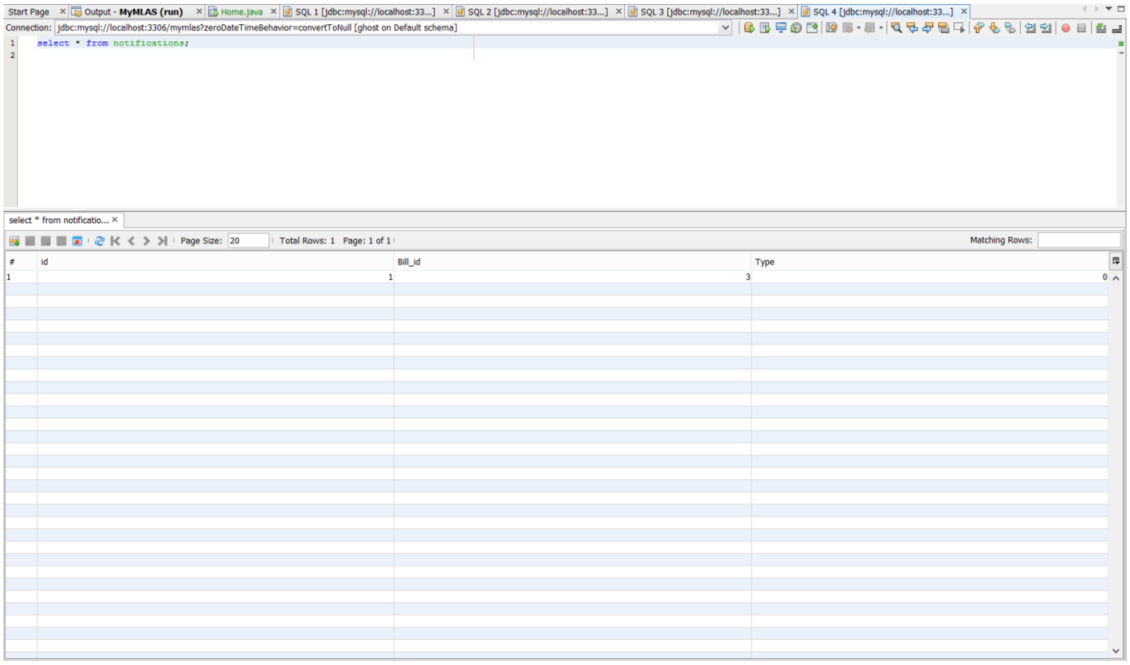
Serial no.	Test Name	Test Charges
1	pressure	210
2	RBC_check	200

Select Test to Take : pressure

Message

Thank You For taking the Test!!
You will receive the bill shortly.

Database after Taking Test



Start Page
Output - MyMLAS (run)
Home.java
SQL 1 [jdbc:mysql://localhost:33...]
SQL 2 [jdbc:mysql://localhost:33...]
SQL 3 [jdbc:mysql://localhost:33...]
SQL 4 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

```
select * from notifications;
```

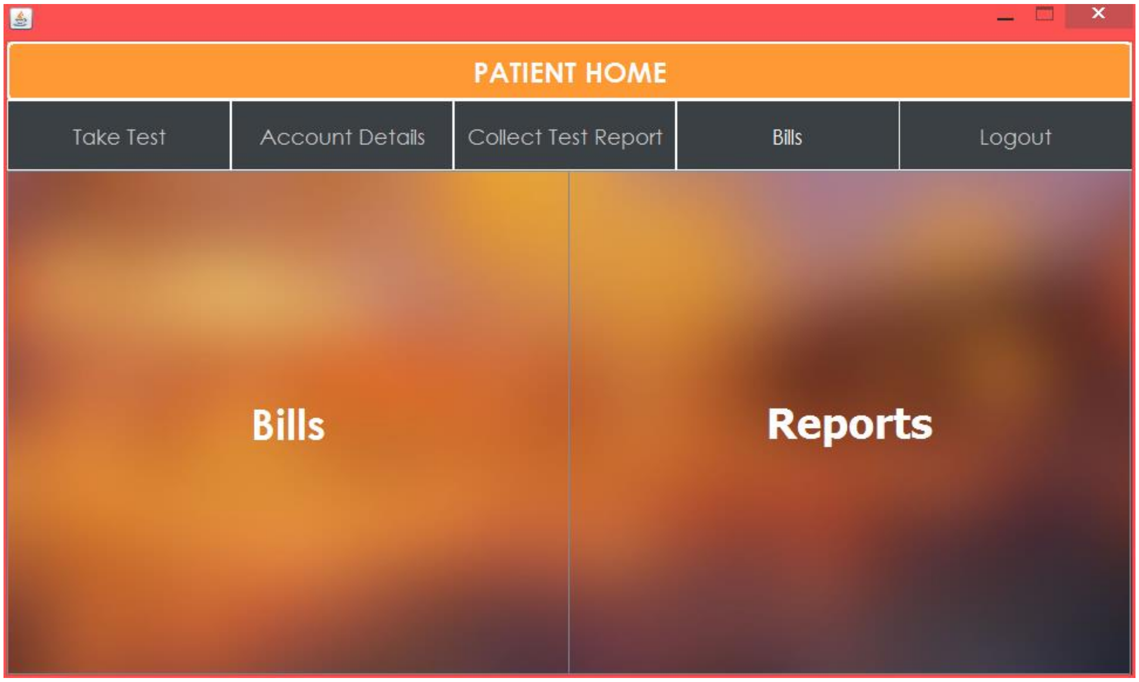
select * from notificatio...

Page Size: 20 Total Rows: 1 Page: 1 of 1 Matching Rows:

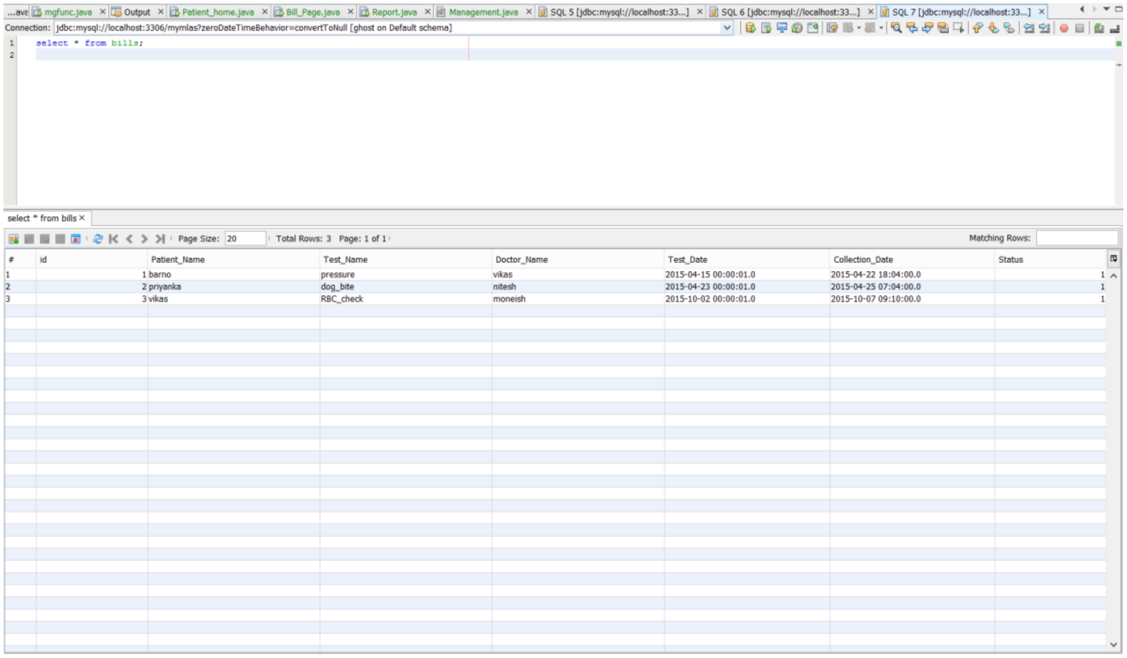
#	id	Bill_id	Type
1	1	3	0

COLLECT BILL

Collect Bill



Bill Table


...ave
mgfunc.java
Output
Patient_home.java
Bill_Page.java
Report.java
Management.java
SQL 5 [jdbc:mysql://localhost:33...]
SQL 6 [jdbc:mysql://localhost:33...]
SQL 7 [jdbc:mysql://localhost:33...]

Connection: jdbc:mysql://localhost:3306/mymlas?zeroDateTimeBehavior=convertToNull [ghost on Default schema]

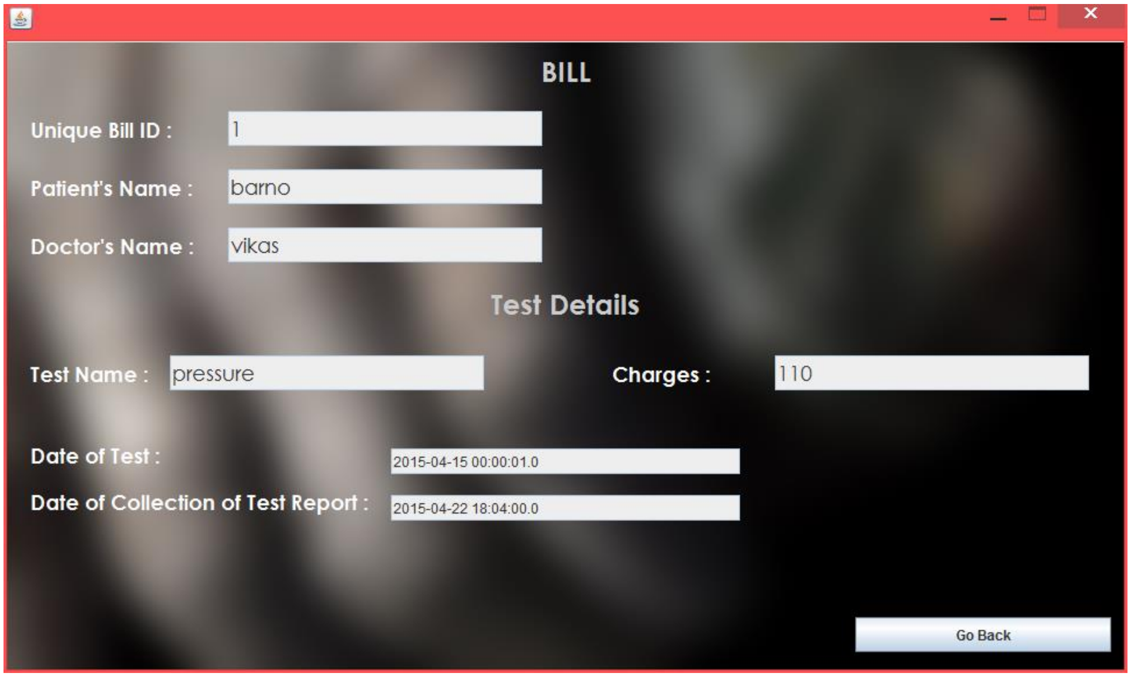
```
select * from bills;
```

select * from bills

Page Size: 20 Total Rows: 3 Page: 1 of 1 Matching Rows:

#	id	Patient_Name	Test_Name	Doctor_Name	Test_Date	Collection_Date	Status
1	1	barno	pressure	vikas	2015-04-15 00:00:01.0	2015-04-22 18:04:00.0	1
2	2	priyanka	dog_bite	nitesh	2015-04-23 00:00:01.0	2015-04-25 07:04:00.0	1
3	3	vikas	RBC_check	moneish	2015-10-02 00:00:01.0	2015-10-07 09:10:00.0	1

Bill Generated (Success)



BILL

Unique Bill ID :	1
Patient's Name :	barno
Doctor's Name :	vikas

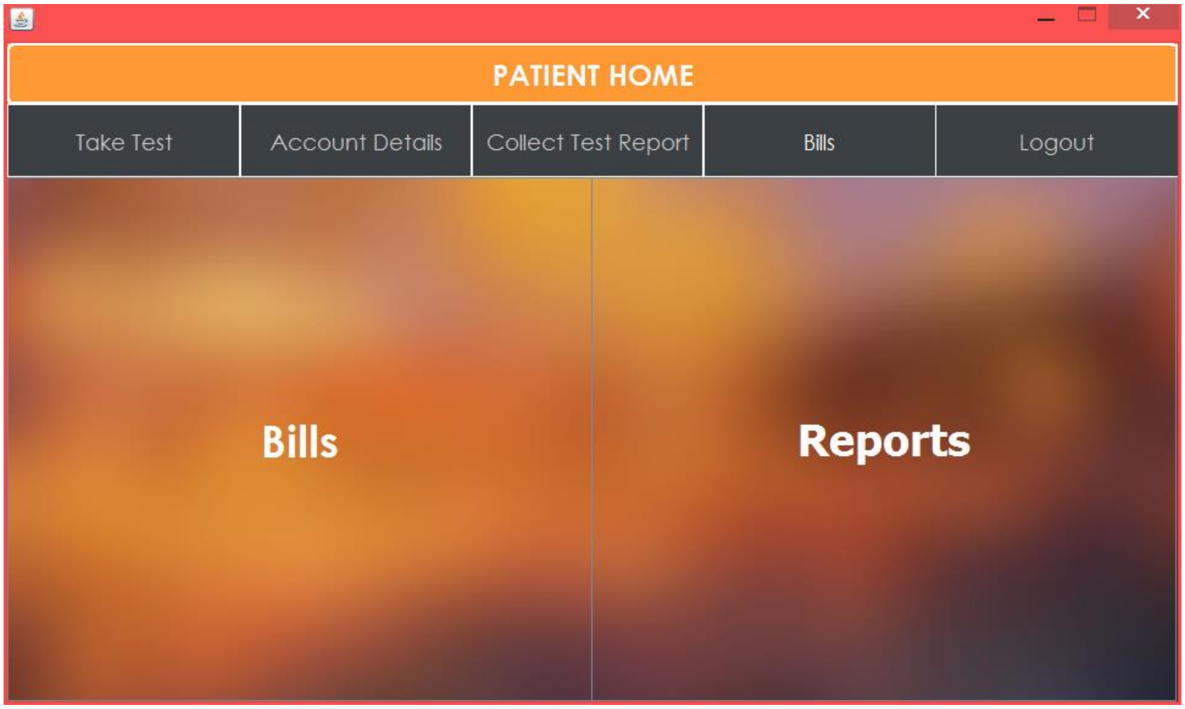
Test Details

Test Name :	pressure	Charges :	110

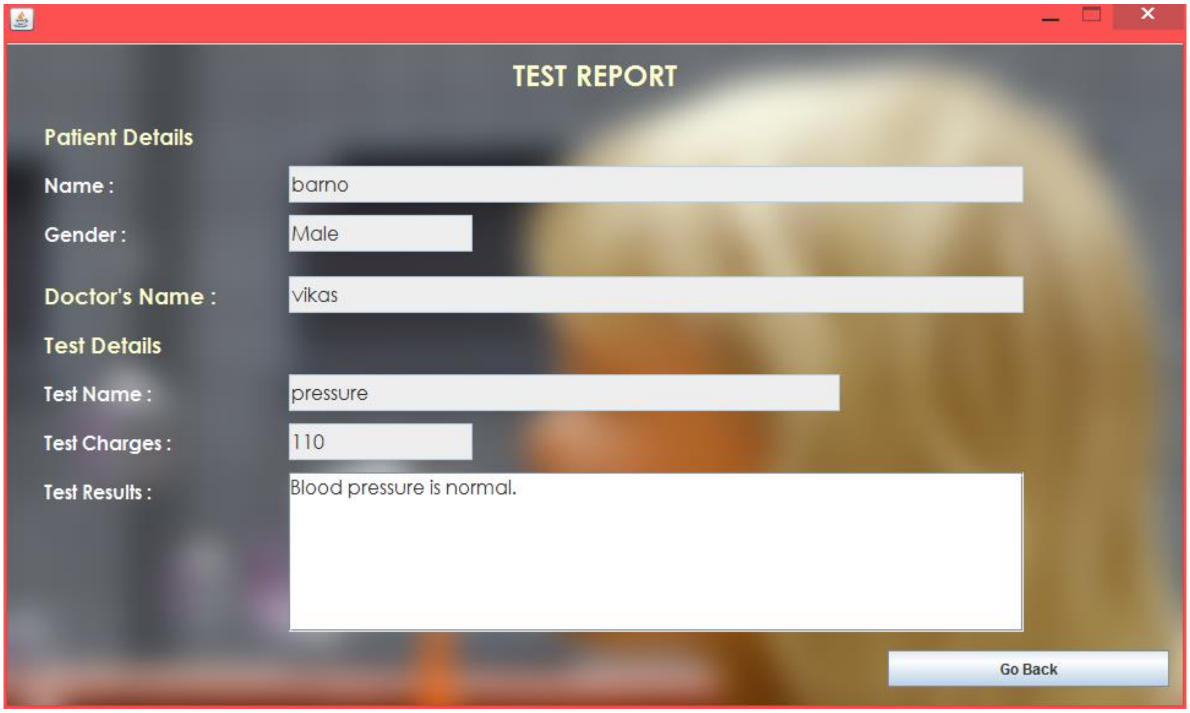
Date of Test :	2015-04-15 00:00:01.0
Date of Collection of Test Report :	2015-04-22 18:04:00.0

COLLECT TEST REPORT

Collect Test Report



Test Report Collected (Success)



TEST REPORT

Patient Details

Name : barno

Gender : Male

Doctor's Name : vikas

Test Details

Test Name : pressure

Test Charges : 110

Test Results : Blood pressure is normal.