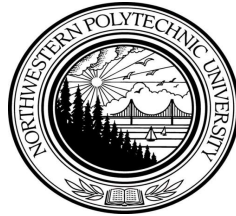


# Northwestern Polytechnic University, Fremont, CA



## Fall 2017 COMPUTER SCIENCE CAPSTONE COURSE Health Plan Enrollment System

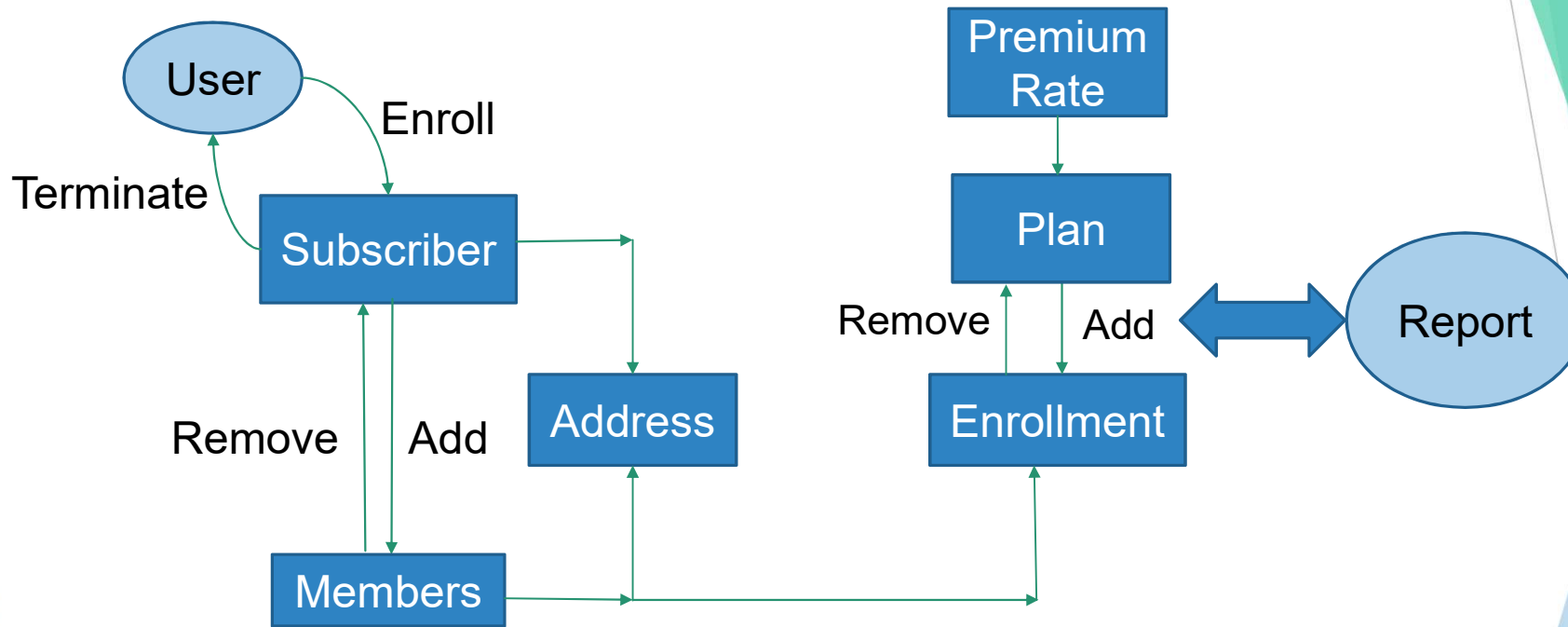
---

Team Members :

SUPRAVA PUHAN

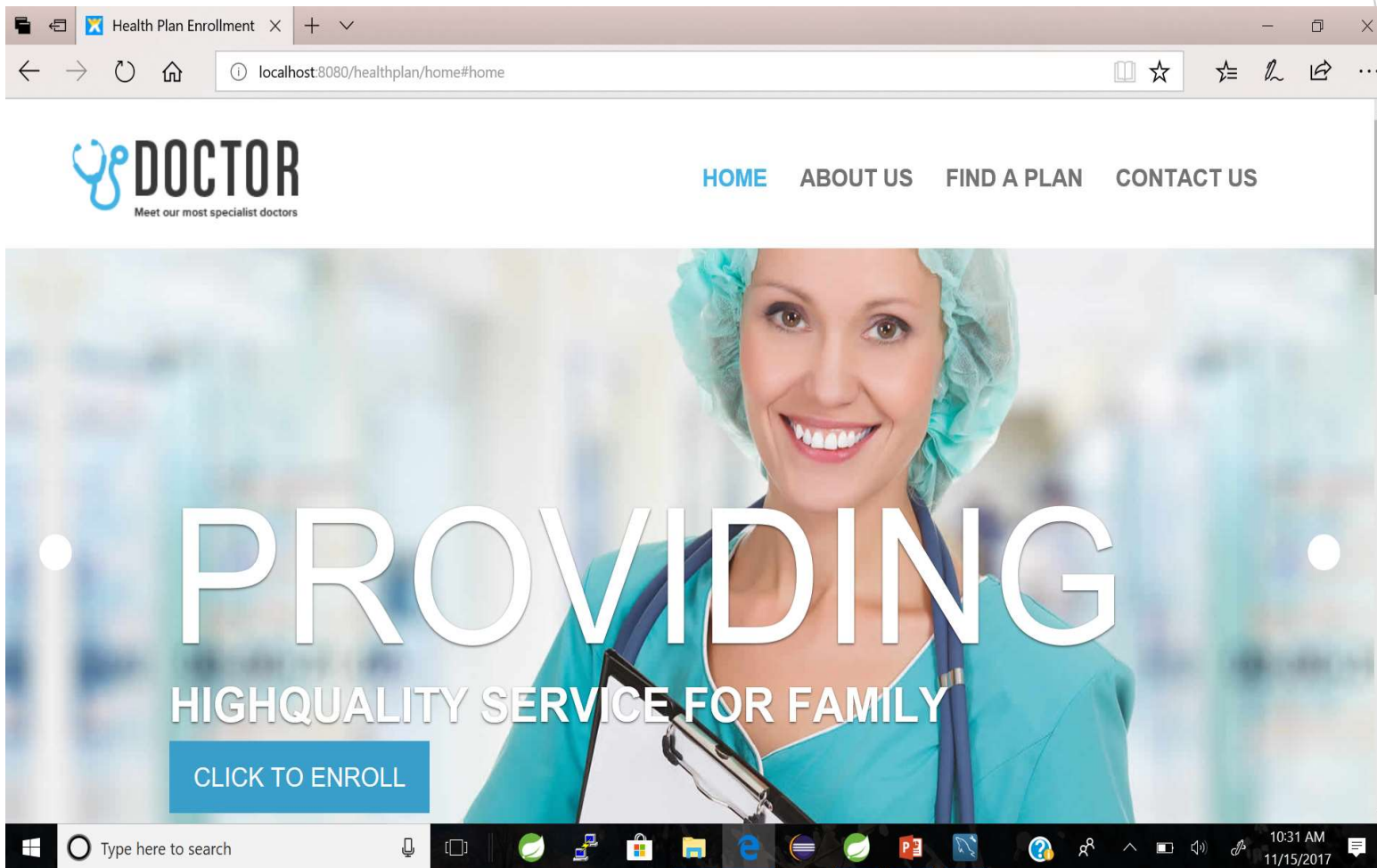
JAVA DEVELOPER

## Data Flow Diagram

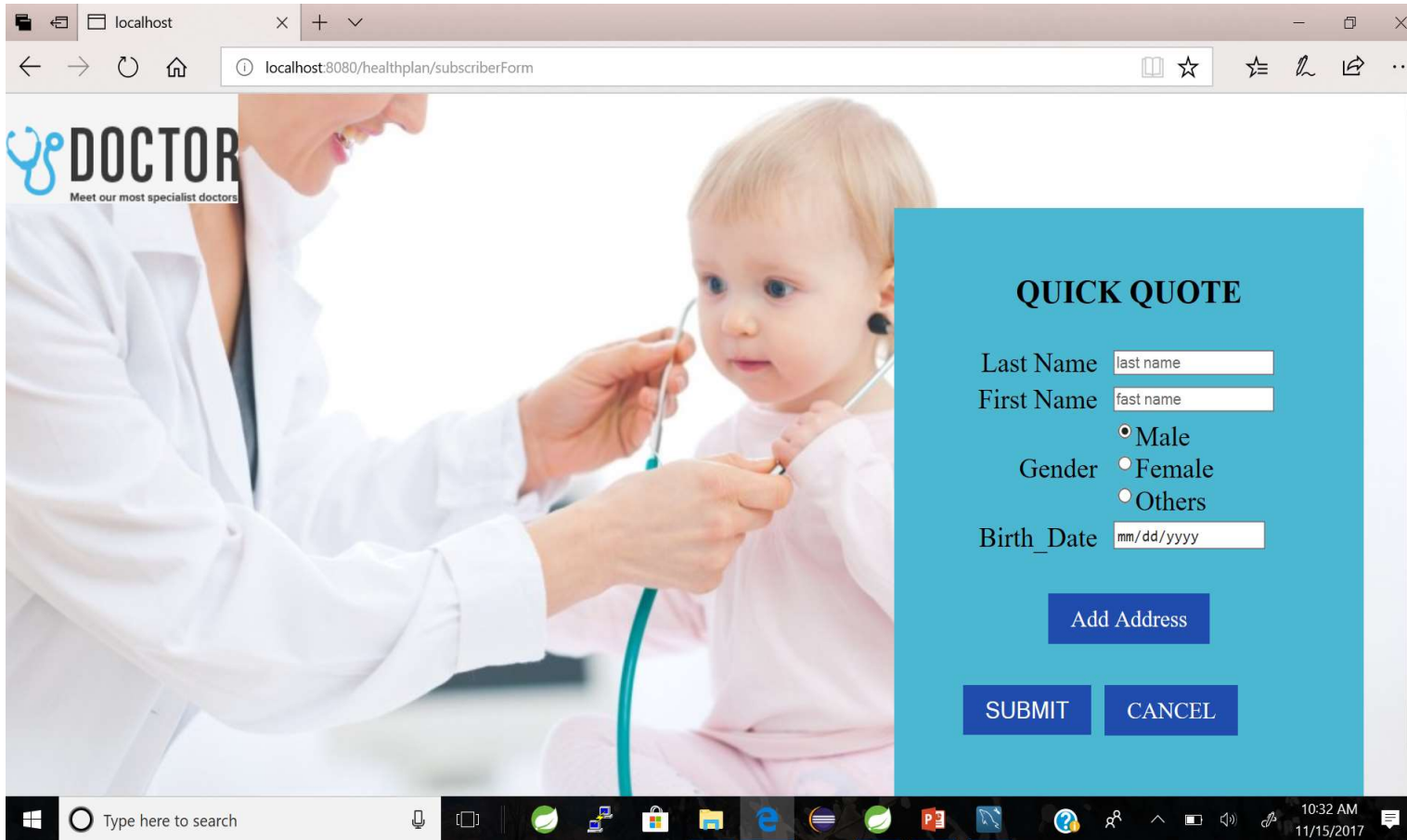


Subscriber will add himself and dependents as member. The subscriber and the member address can be same or different. Based on that address will be updated. Each member should have enrolled in a health insurance plan. The plan information for each member will be available in Enrollment table.

# Home Page design



# Subscriber page



**DOCTOR**  
Meet our most specialist doctors

### QUICK QUOTE

Last Name

First Name

Gender ☒ Male  
☐ Female  
☐ Others

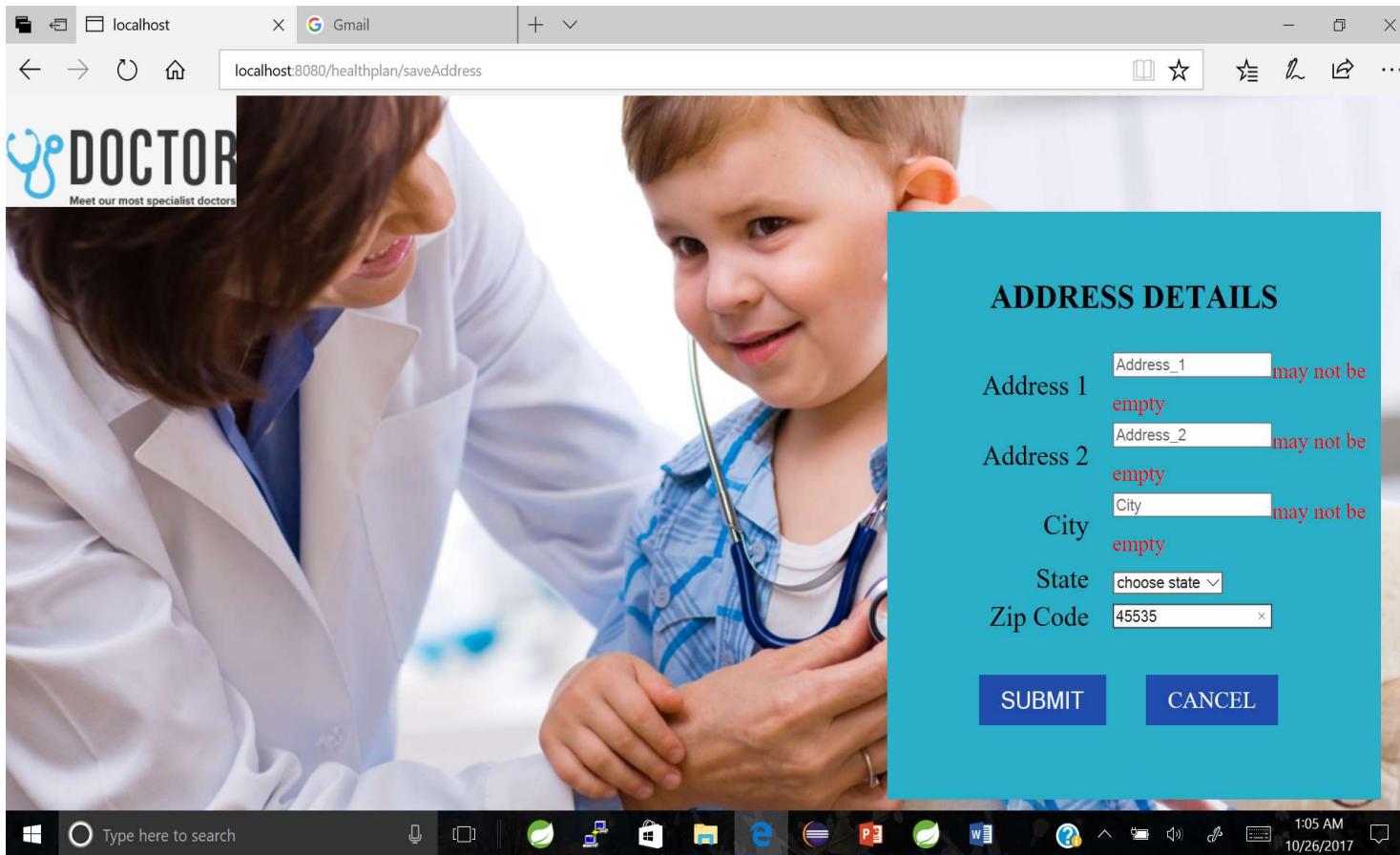
Birth\_Date

[Add Address](#)

[SUBMIT](#) [CANCEL](#)

Windows taskbar: Type here to search, 10:32 AM, 11/15/2017

# Address form validation



The screenshot shows a web browser window with the address `localhost:8080/healthplan/saveAddress`. The background of the page is a photograph of a female doctor in a white lab coat examining a young boy's ear with a stethoscope. A blue modal box titled "ADDRESS DETAILS" is overlaid on the right side of the page. The modal contains five input fields with red error messages:

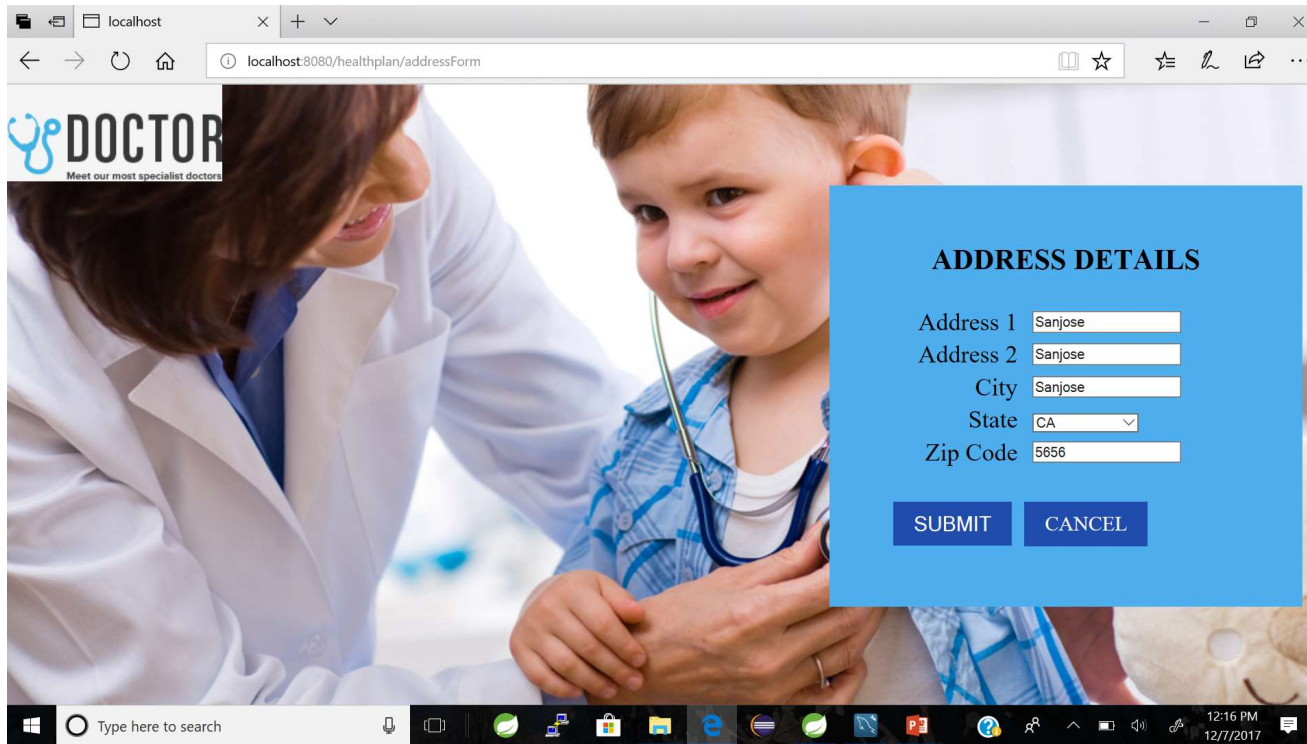
- Address 1:  may not be empty
- Address 2:  may not be empty
- City:  may not be empty
- State:
- Zip Code:

At the bottom of the modal are two buttons: "SUBMIT" and "CANCEL". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system clock indicates 1:05 AM on 10/26/2017.



## Address page

- ▶ Entering subscriber address details first before subscriber registration.



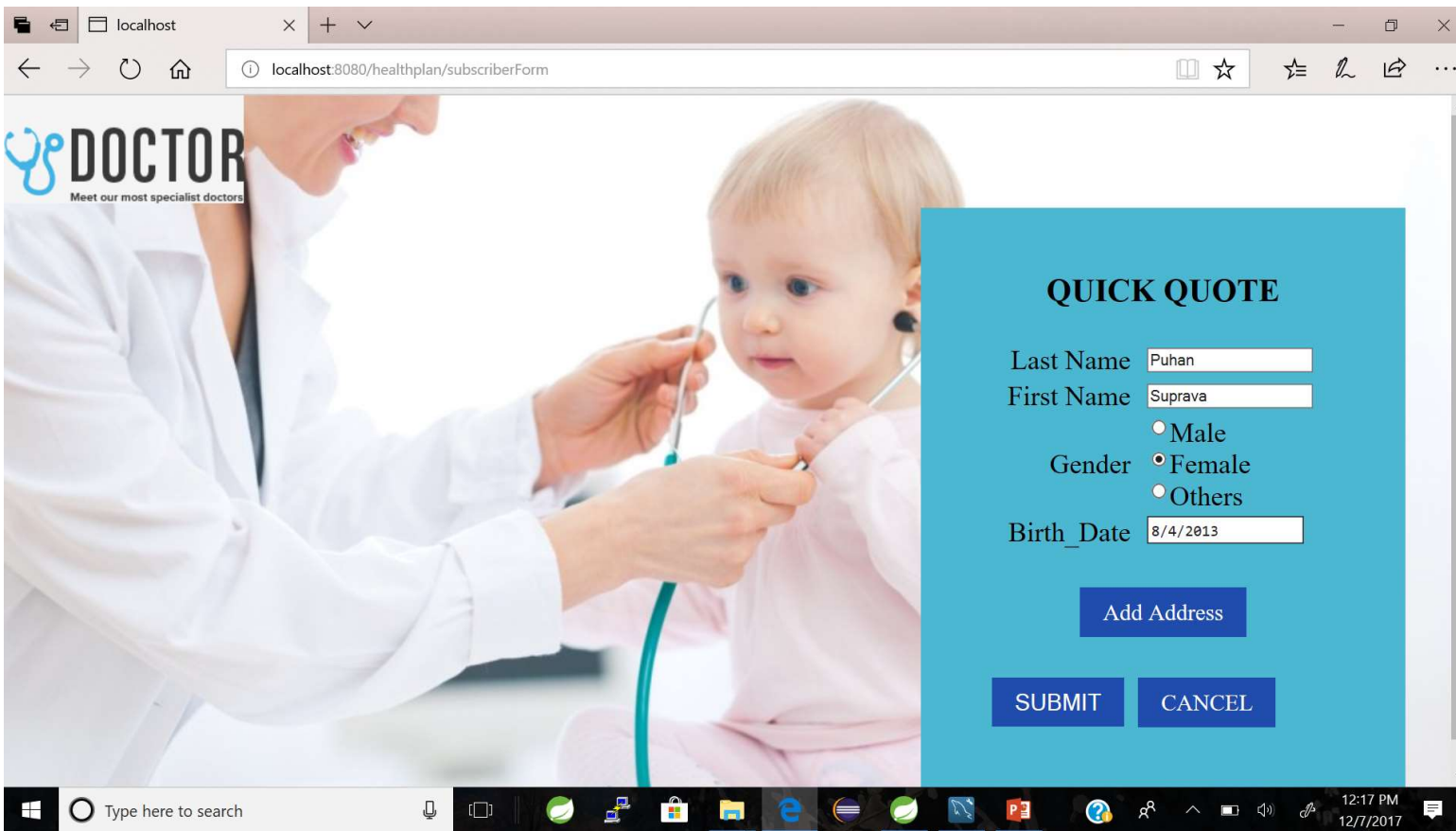
The screenshot shows a web browser window with the address `localhost:8080/healthplan/addressForm`. The page features a background image of a doctor in a white coat examining a young child. A blue modal form titled "ADDRESS DETAILS" is displayed over the right side of the image. The form contains the following fields:

- Address 1:
- Address 2:
- City:
- State:
- Zip Code:

At the bottom of the form are two buttons: "SUBMIT" and "CANCEL".

## Subscriber form details

- ▶ After adding subscriber address it will be redirected to subscriber form to fill subscriber details.



The screenshot shows a web browser window with the address bar displaying `localhost:8080/healthplan/subscriberForm`. The background image is a doctor in a white coat examining a baby with a stethoscope. The website logo in the top left corner reads "DOCTOR" with the tagline "Meet our most specialist doctors". A blue overlay box titled "QUICK QUOTE" contains the following form fields:

- Last Name:
- First Name:
- Gender: ☒ Male, ☐ Female, ☐ Others
- Birth\_Date:

Below the form fields are three buttons: "Add Address" (blue), "SUBMIT" (blue), and "CANCEL" (blue). The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 12:17 PM on 12/7/2017.



# Subscriber added In Database

localhost:8080/healthplan/subscriberForm

**DOCTOR**  
Meet our most specialist doctors

**QUICK QUOTE**

Last Name: Puhan  
First Name: Suprava  
Gender: ☒ Male ☐ Female ☐ Others  
Birth\_Date: 8/4/2013

Add Address

SUBMIT CANCEL

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

- MANAGEMENT
  - Server Status
  - Client Connections
  - Users and Privileges
  - Status and System Variables
  - Data Export
  - Data Import/Restore
- INSTANCE
  - Startup / Shutdown
  - Server Logs
  - Options File
- PERFORMANCE
  - Dashboard
  - Performance Reports
  - Performance Schema Setup
- SCHEMAS
  - Filter objects
  - bankdb
  - cs532\_coursedb\_ex
  - cs532\_orders
  - cs532\_trading
  - cs548\_orders
  - cs548\_product
  - cs548\_restudentdb
  - cs548\_transactions

Query Editor

subscriber

SELECT \* FROM cs595\_healthplandb.subscriber;

Result Grid

Subscr_ID	First_name	Last_Name	Gender	Birth_Date
90	Suprava	Puhan	Female	2013-08-04

subscriber 1

Output

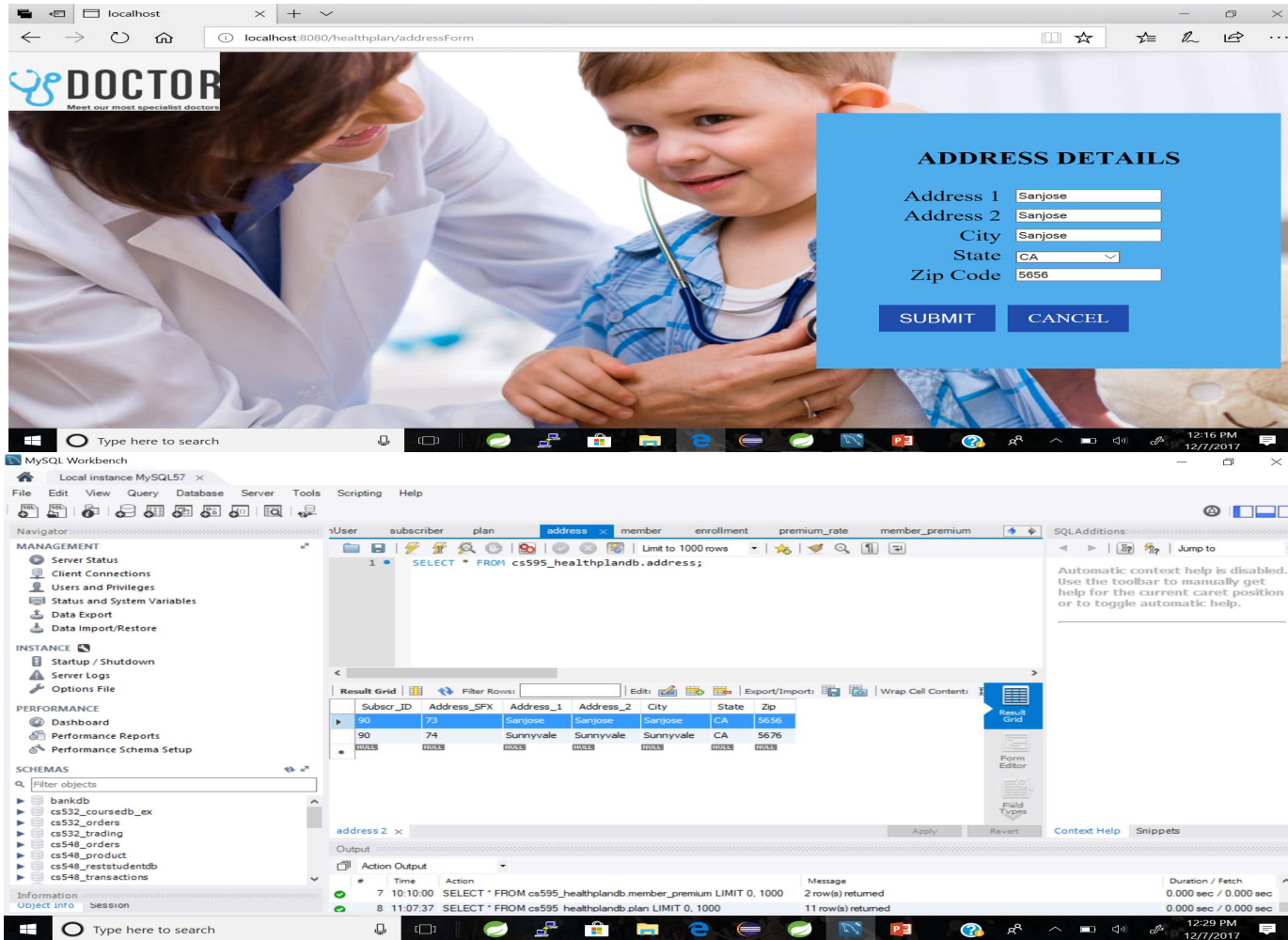
Action Output

#	Time	Action	Message	Duration / Fetch
7	10:10:00	SELECT * FROM cs595_healthplandb.member_premium LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
8	11:07:37	SELECT * FROM cs595_healthplandb.plan LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Context Help Snippets



# Added subscriber address in database



The screenshot displays a web application interface for a doctor's office, overlaid on a MySQL Workbench window. The web application, titled "DOCTOR", shows a form for "ADDRESS DETAILS" with the following fields:

- Address 1: Sanjose
- Address 2: Sanjose
- City: Sanjose
- State: CA
- Zip Code: 95056

Buttons for "SUBMIT" and "CANCEL" are visible at the bottom of the form.

The MySQL Workbench window shows the "address" table in the "cs595\_healthplandb" database. The "Result Grid" displays the following data:

Subscriber_ID	Address_SFID	Address_1	Address_2	City	State	Zip
90	73	Sanjose	Sanjose	Sanjose	CA	95056
90	74	Sunnyvale	Sunnyvale	Sunnyvale	CA	95056

The "Output" pane shows the following SQL query and its results:

```
SELECT * FROM cs595_healthplandb.address;
```

The "Action Output" pane shows the following log entries:

- 7 10:10:00 SELECT \* FROM cs595\_healthplandb.member\_premium LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
- 8 11:07:37 SELECT \* FROM cs595\_healthplandb.plan LIMIT 0, 1000 11 row(s) returned 0.000 sec / 0.000 sec

# Adding Subscriber as a Member into Database

- ▶ After Subscriber added successfully, he/she himself will be added as a Member in the database by using the same subscriber details from the subscriber database with a unique member ID.

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator: subscriber plan address member enrollment premium\_rate member\_premium

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- bankdb
- cs532\_coursedb\_ex
- cs532\_orders
- cs532\_trading
- cs548\_orders
- cs548\_product
- cs548\_reststudentdb
- cs548\_transactions

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Member_ID	Subscr_ID	First_Name	Last_Name	Gender	Birth_Date	Suffix	Address_SFX
114	90	Suprava	Puhan	Female	2013-08-04	M	73
115	90	spp	spp	Female	2017-10-07	D	73
116	90	Spp	Spp	Male	2017-09-07	S	74
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

member 2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
10	12:26:09	SELECT * FROM cs595_healthplandb.address LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
11	12:30:40	SELECT * FROM cs595_healthplandb.member LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

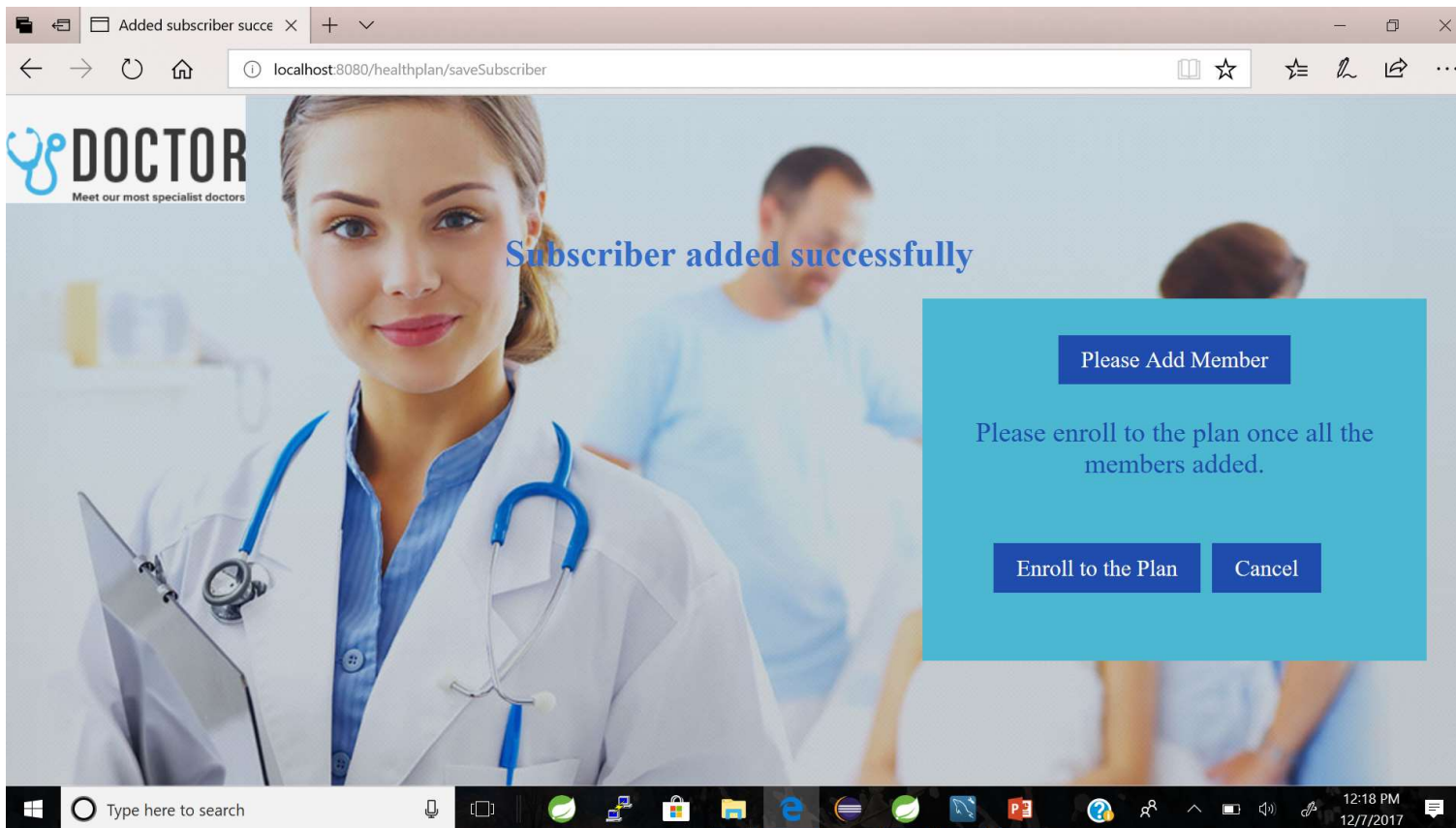
Type here to search

12:30 PM 12/7/2017

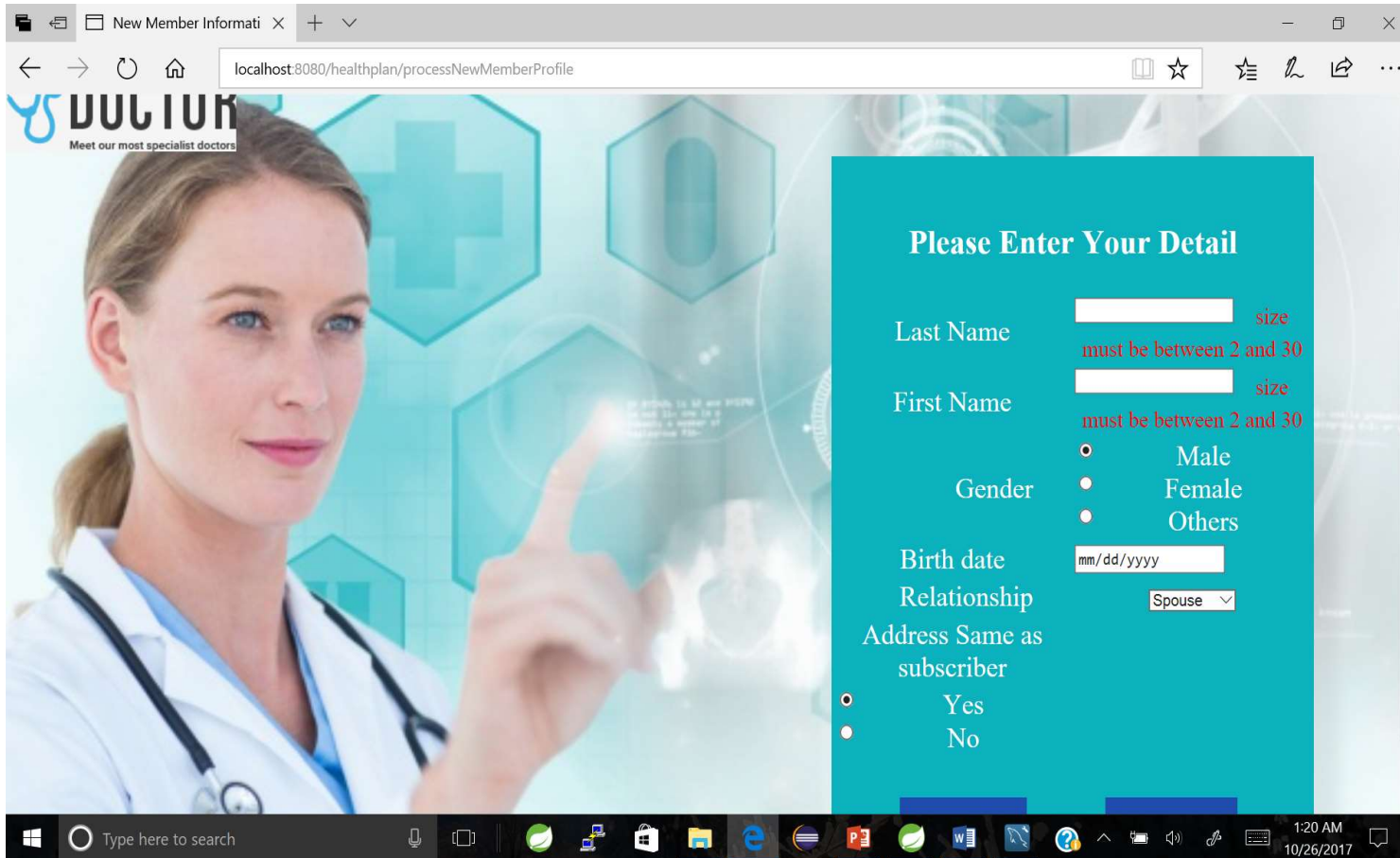


## Subscriber Add Success page

- ▶ After subscriber added successfully It will be redirected to success page where he/she will be asked to add member.



# Member Form Validation



The screenshot shows a web browser window with the address bar displaying `localhost:8080/healthplan/processNewMemberProfile`. The page features a background image of a female doctor and a teal overlay containing a form titled "Please Enter Your Detail". The form fields and their validation errors are as follows:

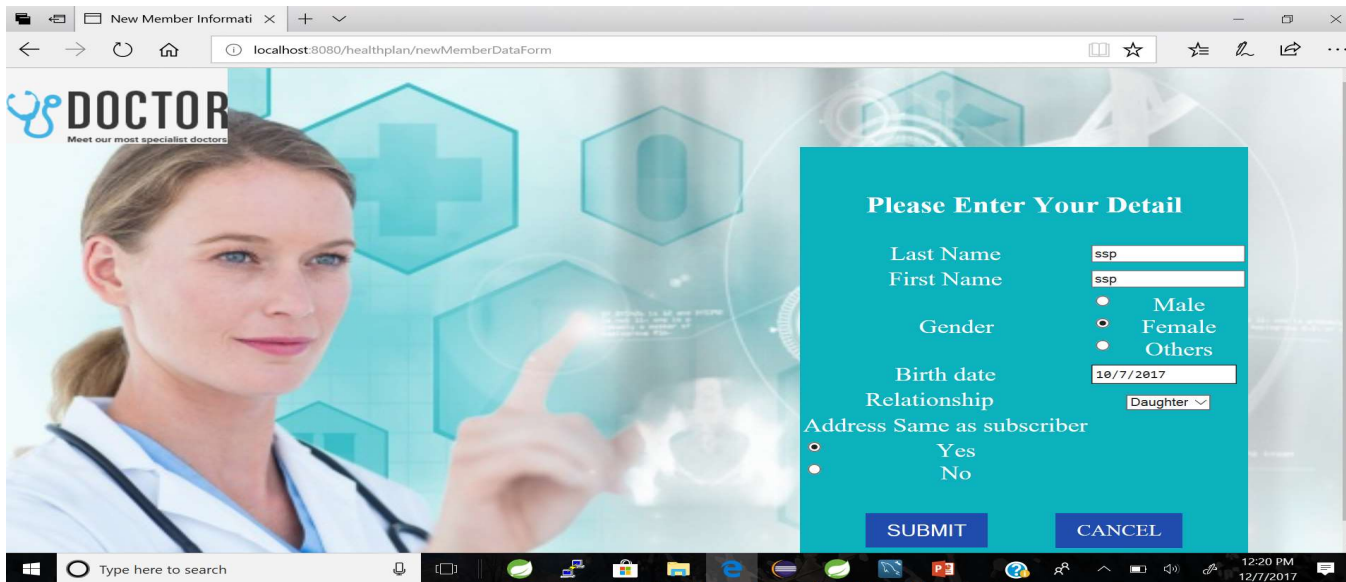
- Last Name:** Input field with error "size must be between 2 and 30".
- First Name:** Input field with error "size must be between 2 and 30".
- Gender:** Radio button options for "Male", "Female", and "Others".
- Birth date:** Input field with placeholder "mm/dd/yyyy".
- Relationship:** Dropdown menu with "Spouse" selected.
- Address Same as subscriber:** Radio button options for "Yes" and "No".

The Windows taskbar at the bottom shows the search bar, taskbar icons, and system clock indicating 1:20 AM on 10/26/2017.



## Add Member Page

- ▶ While adding member a member can choose the same address as subscriber or he/she can add different address .If it chooses the different address then it will be redirected to address page where he/she can add new address details.
- ▶ If it chooses same as subscriber address then the member can use subscriber address suffix to identify his/her address. No address will be added into database.



New Member Information

localhost:8080/healthplan/newMemberDataForm

**DOCTOR**  
Meet our most specialist doctors

**Please Enter Your Detail**

Last Name

First Name

Gender ☐ Male ☐ Female ☐ Others

Birth date

Relationship

Address Same as subscriber ☐ Yes ☐ No



# Member added with the same subscriber address.

- ▶ Below member ID 12 is using the subscriber address suffix to identify the same address as subscriber.

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Dashboard, Performance Reports, and Performance Schema Setup. The 'SCHEMAS' section has a search bar and a list of databases including bankdb, cs532\_coursedb\_ex, cs532\_orders, cs532\_trading, cs548\_orders, cs548\_product, cs548\_reststudentdb, and cs548\_transactions.

The main window displays a query result grid for the 'member' table. The query is `SELECT * FROM cs595_healthplandb.member;`. The result grid shows the following data:

Member_ID	Subscr_ID	First_Name	Last_Name	Gender	Birth_Date	Suffix	Address_SFX
114	90	Suprava	Puhan	Female	2013-08-04	M	73
115	90	ssp	ssp	Female	2017-10-07	D	73
116	90	Spp	Spp	Male	2017-09-07	S	74
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

The bottom panel shows the 'Output' tab with a table of query results:

#	Time	Action	Message	Duration / Fetch
10	12:26:09	SELECT * FROM cs595_healthplandb.address LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
11	12:30:40	SELECT * FROM cs595_healthplandb.member LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

## Adding member with different address

- ▶ If a member wants to give different address he can click the radio button **Address same as subscriber as No** .After clicking this it will be redirected to new address page where he can add his/her address details.
- ▶ After adding address it will be redirected to member page to fill his/her details. Below is the flow detail to add different address. Member chooses No...

New Member Information x

localhost:8080/healthplan/newMemberDataForm

**DOCTOR**  
Meet our most specialist doctors

**Please Enter Your Detail**

Last Name

First Name

Gender  
☐ Male  
☐ Female  
☐ Others

Birth date

Relationship

Address Same as subscriber  
☒ Yes  
☐ No

**SUBMIT** **CANCEL**

Type here to search

12:02 PM 11/15/2017

## Adding member with different address.

- ▶ After adding address a new address with different address suffix will be added in address table. Then member will be added using the same address suffix.

The screenshot displays two web forms from a local application running on localhost:8080. The top form, titled 'ADDRESS DETAILS', is overlaid on a background image of a doctor examining a child. It contains input fields for Address 1, Address 2, City, State (a dropdown menu), and Zip Code, with 'Sunnyvale', 'CA', and '5076' entered respectively. Below the fields are 'SUBMIT' and 'CANCEL' buttons. The bottom form, titled 'Please Enter Your Detail', is overlaid on a background image of a female doctor. It contains input fields for Last Name, First Name, Gender (radio buttons for Male, Female, Others), Birth date, Relationship (a dropdown menu), and Address Same as subscriber (radio buttons for Yes, No). The fields contain 'Spp', 'Spp', 'Male', '9/7/2017', 'Son', and 'Yes' respectively. It also has 'SUBMIT' and 'CANCEL' buttons. The Windows taskbar at the bottom shows the date as 12/11/2017 and the time as 12:21 PM.

**ADDRESS DETAILS**

Address 1

Address 2

City

State

Zip Code

**Please Enter Your Detail**

Last Name

First Name

Gender

☐ Male

☐ Female

☐ Others

Birth date

Relationship

Address Same as subscriber

☐ Yes

☐ No

# New Member addition with different address

MySQL Workbench interface showing the 'address' table in the 'cs595\_healthplandb' database. The table structure is as follows:

Subscr_ID	Address_SFX	Address_1	Address_2	City	State	Zip
90	73	Sanjose	Sanjose	Sanjose	CA	5656
90	74	Sunnyvale	Sunnyvale	Sunnyvale	CA	5676

The 'address 2' tab shows the SQL query: `SELECT * FROM cs595_healthplandb.address LIMIT 0, 1000`. The output shows 2 row(s) returned.

MySQL Workbench interface showing the 'member' table in the 'cs595\_healthplandb' database. The table structure is as follows:

Member_ID	Subscr_ID	First_Name	Last_Name	Gender	Birth_Date	Suffix	Address_SFX
114	90	Suprava	Puhari	Female	2013-08-04	M	73
115	90	ssp	ssp	Female	2017-10-07	D	73
116	90	Spp	Spp	Male	2017-09-07	S	74

The 'member 2' tab shows the SQL query: `SELECT * FROM cs595_healthplandb.member LIMIT 0, 1000`. The output shows 3 row(s) returned.

Address suffix is same as the new address suffix for the New member in member database

## Continue...

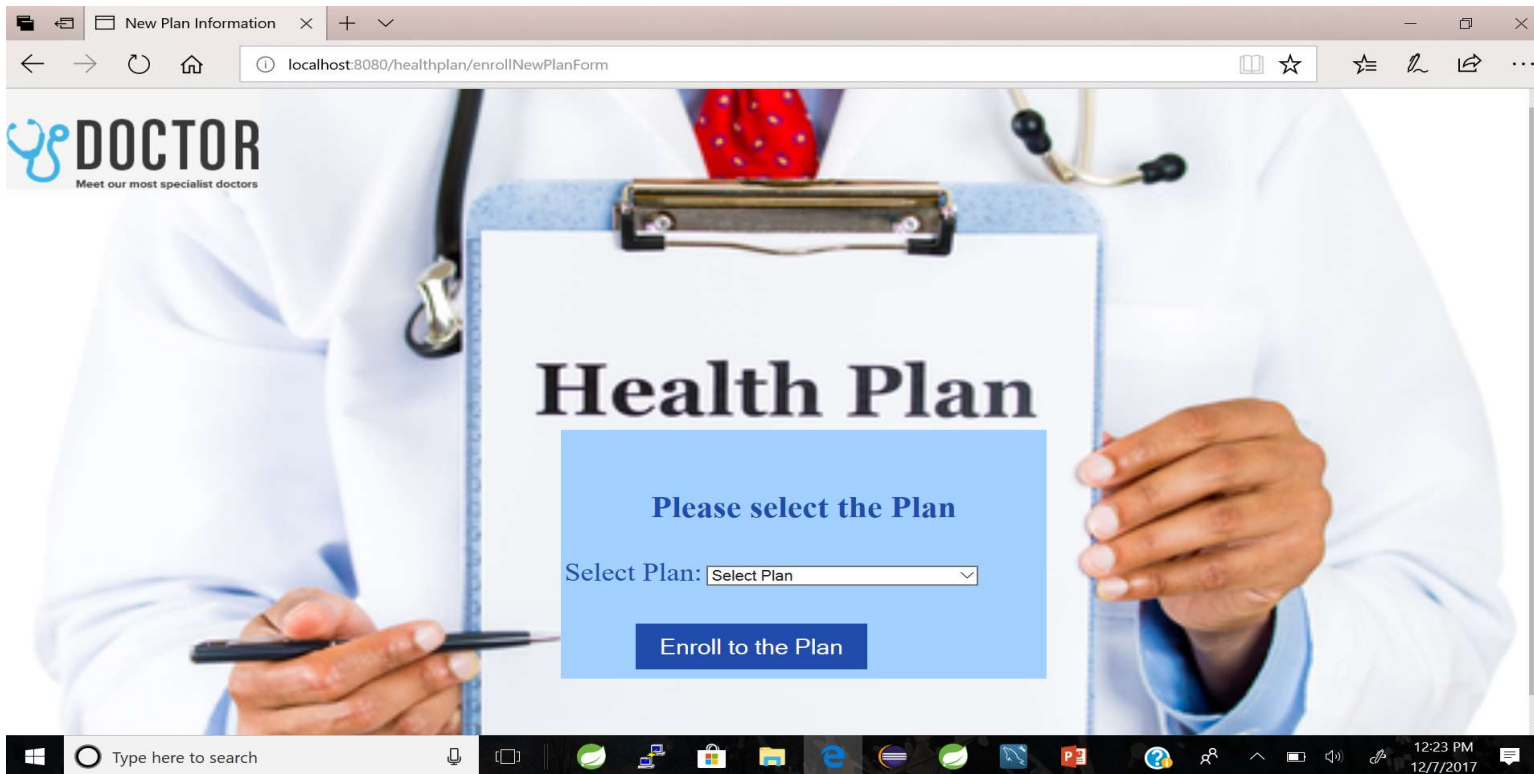
- ▶ Through the above process all the members/dependents of the subscriber will use the same subscriber ID to identify themselves to be the part of the same subscription.
- ▶ So that when the subscriber will enroll himself/herself into the plan the plan will be affected for all the members registered under the same subscriber.
- ▶ Also a member will use the same subscriber address suffix to identify his address is same as subscriber if it has choose the same address as subscriber. Else the member will be assigned a different address suffix while adding his address details which he/she can use that.





## Enrolling into a Plan Page

- ▶ All Plan information is stored and retrieved from database plan table .
- ▶ Below page shows the plan page where a subscribe can enroll himself/herself along with family members into a plan according to his choice.



# Plan Information in database

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- member\_premium
- plan
- premium\_rate
- subscriber
- Views
- Stored Procedures
- Functions
- orderinfo

HealthPlanUser address enrollment member subscriber plan premium\_rate member\_premium

1 • SELECT \* FROM cs595\_healthplandb.plan;

Result Grid

Plan_ID	Plan_Name	Plan_Eff_Date	Plan_Term_Date	Price	Description
111	Bronze 60 HDHP HMO	2017-01-01	2017-12-31	110	ANNUAL MEDICAL DEDUCTIBLE \$4,800
112	Bronze 60 HMO	2017-01-01	2017-12-31	100	ANNUAL MEDICAL DEDUCTIBLE \$6,300
113	Silver 70 HMO	2017-01-01	2017-12-31	80	ANNUAL MEDICAL DEDUCTIBLE \$2,500
114	Gold 80 HMO Coinsurance	2017-01-01	2017-12-31	110	ANNUAL MEDICAL DEDUCTIBLE None/
115	Gold 80 HMO	2017-01-01	2017-12-31	110	ANNUAL MEDICAL DEDUCTIBLE None/
116	Platinum 90 HMO	2017-01-01	2017-12-31	130	ANNUAL MEDICAL DEDUCTIBLE None/
117	Minimum Coverage HMO++	2017-01-01	2017-12-31	100	ANNUAL MEDICAL DEDUCTIBLE \$7,350
118	Bronze 60 HDHP HMO 5500/40%	2017-01-01	2017-12-31	100	ANNUAL MEDICAL DEDUCTIBLE \$5,500
119	Silver 70 HMO Off Exchange	2017-01-01	2017-12-31	85	ANNUAL MEDICAL DEDUCTIBLE \$2,500
120	Silver 70 HMO 2000/45	2017-01-01	2017-12-31	85	ANNUAL MEDICAL DEDUCTIBLE \$2,000
121	Silver 70 HDHP HMO 2700/15%	2017-01-01	2017-12-31	90	ANNUAL MEDICAL DEDUCTIBLE \$2,700
NULL	NULL	NULL	NULL	NULL	NULL

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

plan 1 x

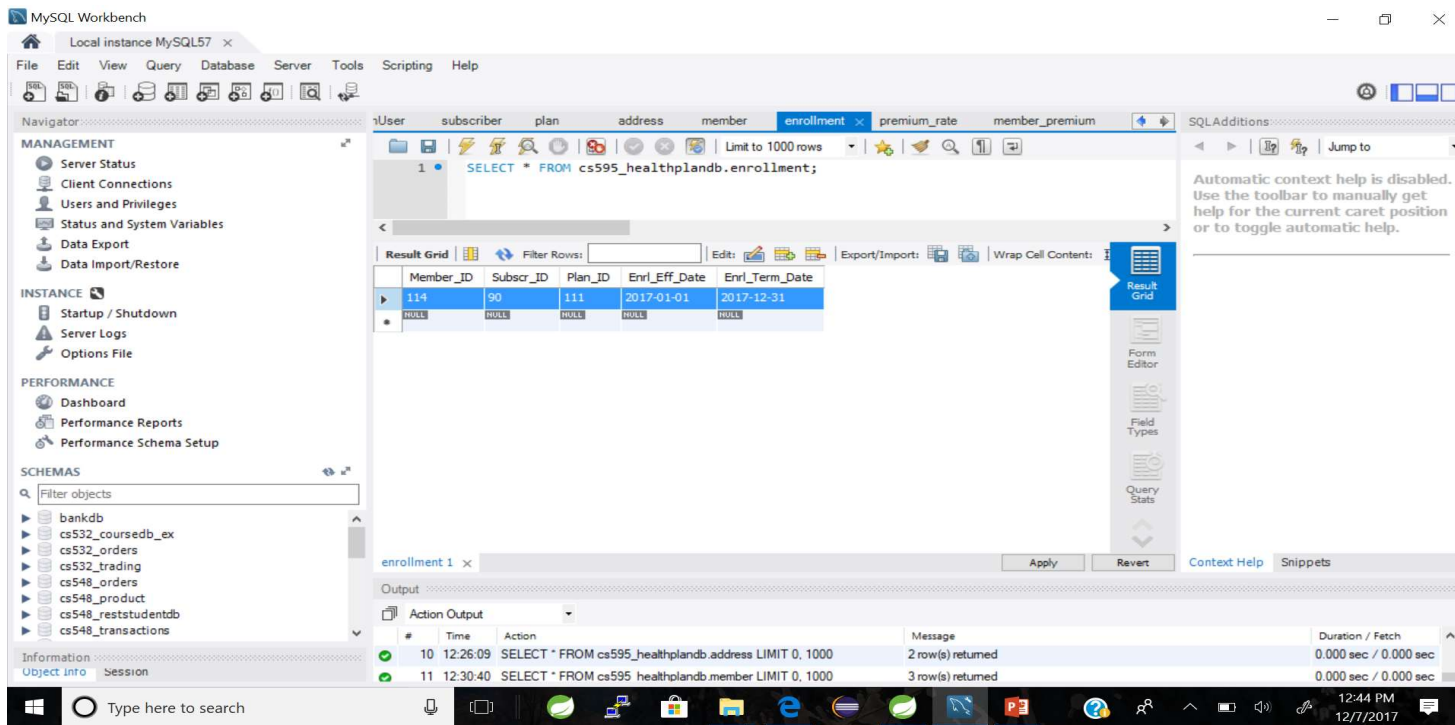
Output

Action Output

11:32 AM 11/16/2017

# Subscriber Enrolling into a plan

- ▶ Now the Subscriber can enroll himself into a plan by choosing a plan from the drop box .
- ▶ After clicking Enroll to the Plan the Subscriber now will enroll himself with his family members to a plan. Accordingly the enrollment table will be updated with the plan information.



The screenshot displays the MySQL Workbench interface. The 'Query' tab is active, showing a SQL query: `SELECT * FROM cs595_healthplandb.enrollment;`. The 'Result Grid' shows the following data:

Member_ID	Subscr_ID	Plan_ID	Enrl_Eff_Date	Enrl_Term_Date
114	90	111	2017-01-01	2017-12-31
NULL	NULL	NULL	NULL	NULL

The 'Output' tab at the bottom shows the execution log:

#	Time	Action	Message	Duration / Fetch
10	12:26:09	SELECT * FROM cs595_healthplandb.address LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
11	12:30:40	SELECT * FROM cs595_healthplandb.member LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

# Subscriber enrollment continued....

- ▶ After enrollment database update the subscriber will get the total plan amount detail from the premium rate table for himself/herself along with the family members to pay .

The screenshot shows the MySQL Workbench interface. The SQL editor contains several INSERT statements into the 'premium\_rate' table of the 'cs595\_healthplandb' database. The result grid displays the data for the 'premium\_rate' table, showing columns: Rate\_Idx, Plan\_ID, Member\_Cov, and Plan\_Prm\_Rate.

SQL Editor:

```
15 ('Rate_Idx', 'Plan_ID', 'Member_Cov', 'Plan_Prm_Rate')
16 VALUES (110, 112, 5, 2000);
17
18 INSERT INTO `cs595_healthplandb`.`premium_rate`
19 ('Rate_Idx', 'Plan_ID', 'Member_Cov', 'Plan_Prm_Rate')
20 VALUES (111, 113, 1, 800);
21 INSERT INTO `cs595_healthplandb`.`premium_rate`
22 ('Rate_Idx', 'Plan_ID', 'Member_Cov', 'Plan_Prm_Rate')
23 VALUES (112, 113, 2, 1100);
24 INSERT INTO `cs595_healthplandb`.`premium_rate`
25 ('Rate_Idx', 'Plan_ID', 'Member_Cov', 'Plan_Prm_Rate')
```

Result Grid:

Rate_Idx	Plan_ID	Member_Cov	Plan_Prm_Rate
101	111	1	800
102	111	2	1100
103	111	3	1400
104	111	4	1700
105	111	5	2000
106	112	1	800
107	112	2	1100
108	112	3	1400
109	112	4	1700

# Member\_Premium Database

- ▶ After getting the total amount of the plan and the number of members subscriber has enrolled, the member premium database will be updated .
- ▶ Below Member\_Premium database shows the details of the subscriber with the total amount he/she has to pay out of pocket for the insurance plan on monthly basis.

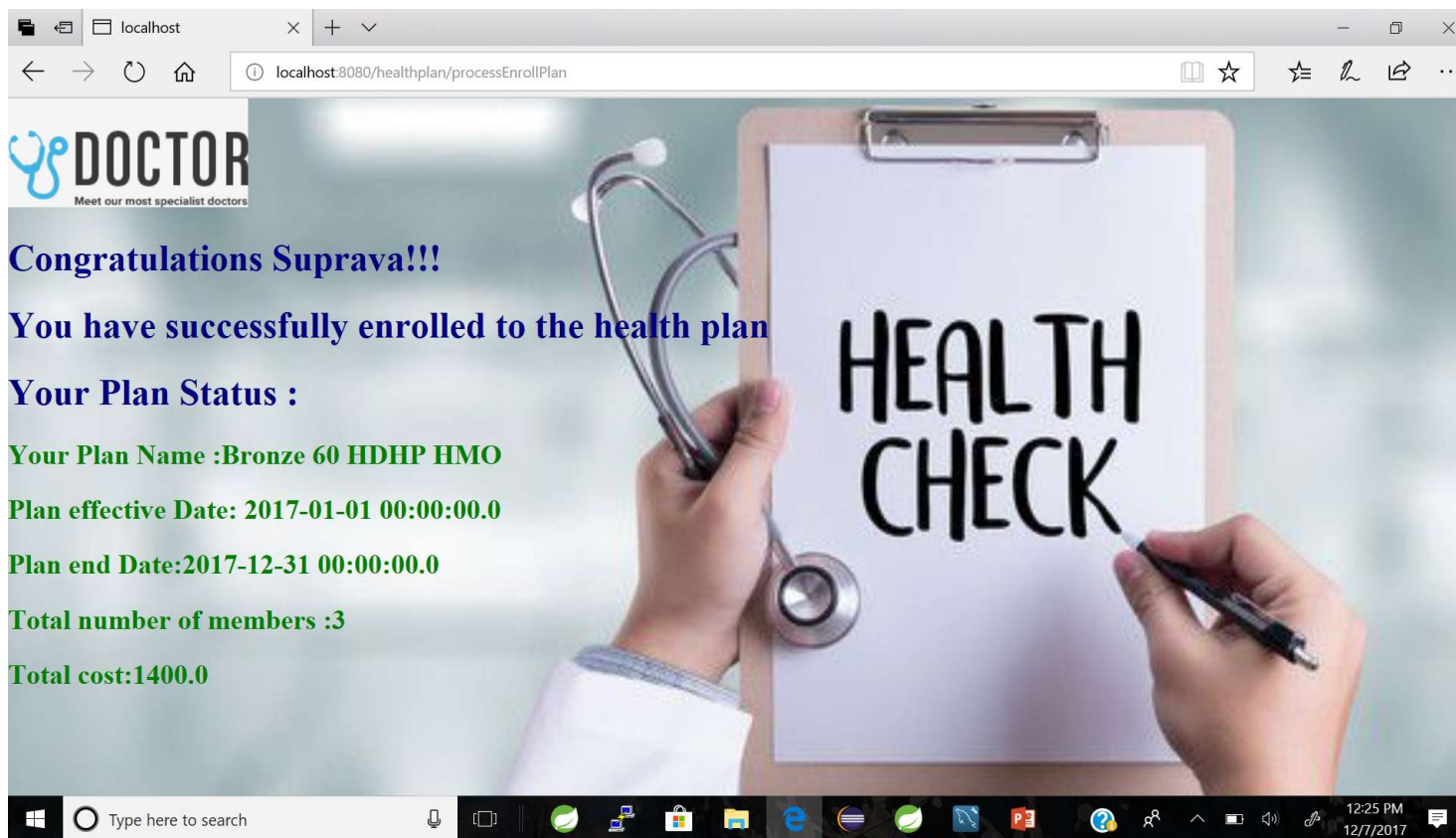
The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' list with various databases like bankdb, cs532\_coursedb\_ex, cs532\_orders, cs532\_trading, cs548\_orders, cs548\_product, cs548\_reststudentdb, and cs548\_transactions. The main window shows a query executed against the 'member\_premium' database. The query is: `SELECT * FROM cs595_healthplandb.member_premium;`. The results are displayed in a table with the following columns: Subscr\_ID, Member\_Count, Total\_Premium, and Rate\_Indx. The table contains one row of data: Subscr\_ID 90, Member\_Count 3, Total\_Premium 1400, and Rate\_Indx 103. The bottom panel shows the 'Output' tab with the query execution details, including the time taken (12:26:09) and the number of rows returned (2 row(s) returned).

Subscr_ID	Member_Count	Total_Premium	Rate_Indx
90	3	1400	103



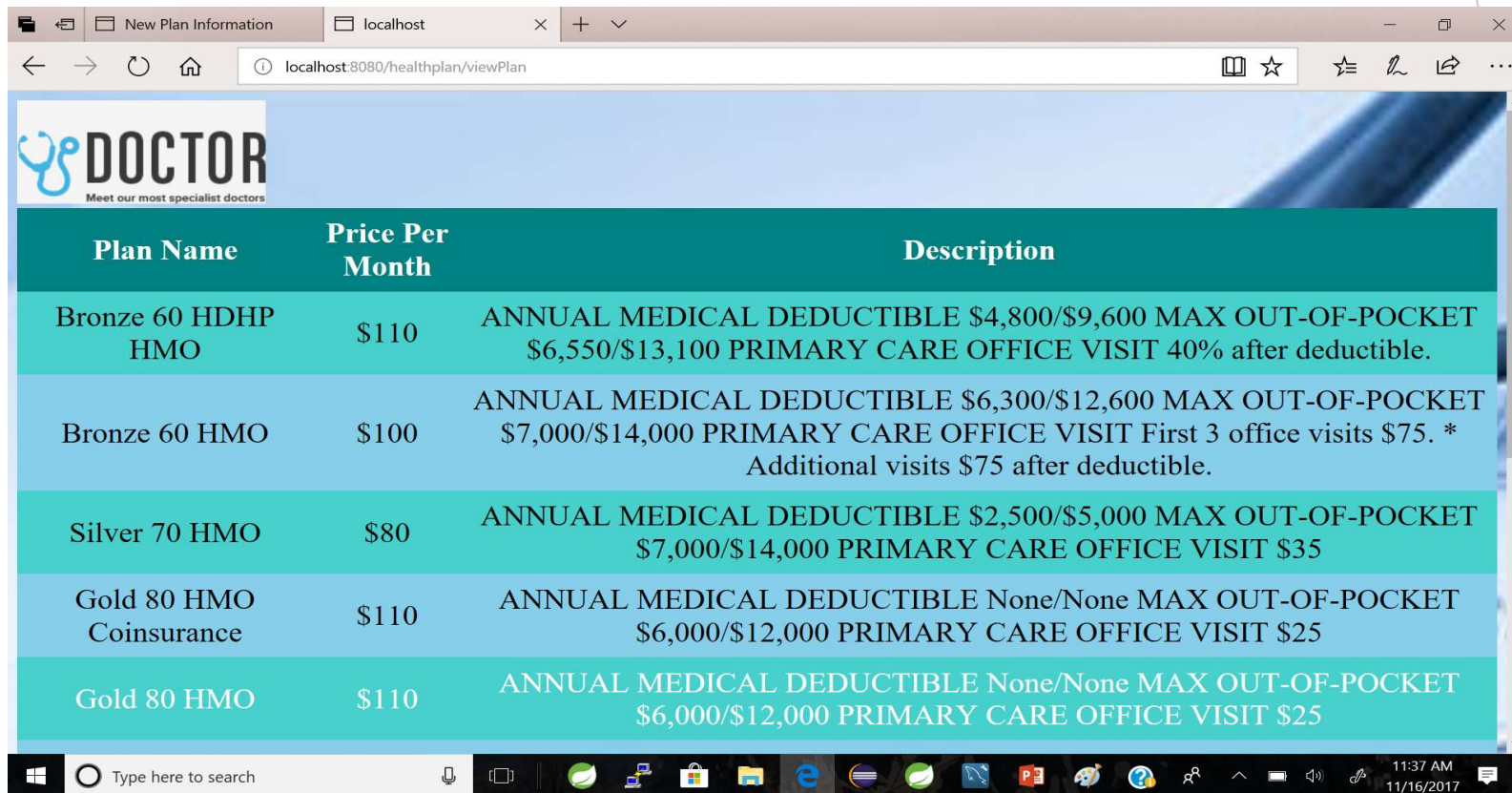
## Enrollment Success page with details

- ▶ After all process finished successfully the subscriber will get his Subscriber Id along with other details.



# Find a plan page

- ▶ Below page showing all plan details so that a subscriber can view these information before enrolling to a particular plan.



Plan Name	Price Per Month	Description
Bronze 60 HDHP HMO	\$110	ANNUAL MEDICAL DEDUCTIBLE \$4,800/\$9,600 MAX OUT-OF-POCKET \$6,550/\$13,100 PRIMARY CARE OFFICE VISIT 40% after deductible.
Bronze 60 HMO	\$100	ANNUAL MEDICAL DEDUCTIBLE \$6,300/\$12,600 MAX OUT-OF-POCKET \$7,000/\$14,000 PRIMARY CARE OFFICE VISIT First 3 office visits \$75. * Additional visits \$75 after deductible.
Silver 70 HMO	\$80	ANNUAL MEDICAL DEDUCTIBLE \$2,500/\$5,000 MAX OUT-OF-POCKET \$7,000/\$14,000 PRIMARY CARE OFFICE VISIT \$35
Gold 80 HMO Coinsurance	\$110	ANNUAL MEDICAL DEDUCTIBLE None/None MAX OUT-OF-POCKET \$6,000/\$12,000 PRIMARY CARE OFFICE VISIT \$25
Gold 80 HMO	\$110	ANNUAL MEDICAL DEDUCTIBLE None/None MAX OUT-OF-POCKET \$6,000/\$12,000 PRIMARY CARE OFFICE VISIT \$25

## Implementation

### ► .JSP Files

- ▼ views
  - address.jsp
  - addressForm.jsp
  - addSubscriberSuccess.jsp
  - contactusconf.jsp
  - EnrollPlanSuccess.jsp
  - home.jsp
  - include.jsp
  - memberDataForm.jsp
  - PlanForm.jsp
  - subscriber.jsp
  - subscriberForm.jsp
  - viewPlan.jsp

### ► Implementation detail files

- ▼ webapp
  - ▼ resources
    - ▼ css
      - bootstrap.min.css
      - font-awesome.min.css
      - nav.css
      - style.css
    - ▼ fonts
    - ▼ img
    - ▼ js

- > HomeController.java
- > MemberController.java
- > PlanController.java
- > SubscriberController.java
- ▼ org.npu.healthplan.dao
  - > AddressDao.java
  - > EnrollPlanDao.java
  - > MemberDao.java
  - > PlanDao.java
  - > SubscriberDao.java
- ▼ org.npu.healthplan.dao.hibernate
  - > AddressDaoHibernateImpl.java
  - > EnrollPlanDaoHibernateImpl.java
  - > MemberDaoHibernateImpl.java
  - > PlanDaoHibernateImpl.java
  - > SubscriberDaoHibernateImpl.java
- > org.npu.healthplan.domain
- > org.npu.healthplan.exceptions
- > org.npu.healthplan.resthandlers
- ▼ org.npu.healthplan.services
  - > AddMemberService.java
  - > AddMemberServiceImpl.java
  - > AddressService.java
  - > AddressServiceImpl.java
  - > EnrollPlanService.java
  - > EnrollPlanServiceImpl.java

## Conclusion

- ▶ Implemented end to end database communication for adding subscriber, his/her address details along with his/her family member details with their address update into database.
- ▶ Implemented form validation for all the forms subscriber ,member and address page.
- ▶ Implemented the plan page for enrolling into the plan as well as find the plan page in home to see all the plan details.
- ▶ Introduced properties file for showing message in the form validation without hardcoding the message.
- ▶ Implemented the enrollment database update along with plan premium\_rate and member\_premium database update.
- ▶ Implemented the Enrollment success page which shows the subscriber enrollment details so that he can use this details to see his plan information in future.

