

PROJECT NAME - HOME-INSURANCE-SYSTEM

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Github link - <https://github.com/GAGANAGS/Home-Insurance-System>

Functionalities performed:

- Admin functionalities
 - Login as admin- admin@gmail.com
 - Password - admin
 - Admin can
 - Add policy
 - Update policy
 - View policy
 - Logout
- Customer functionalities
 - Customer can sign up, login
 - View policy
 - Select policy
 - Add amount to account
 - Buy policy

Database details

```
create database HomeInsDB;
use HomeInsDB;

create table customer(
firstName varchar(20),
lastName varchar(20),
password varchar(20),
email varchar(30) primary key,
gender varchar(10),
dob date,
city varchar(20),
acnnumber int unique auto_increment,
amount int
);

create table quote(
qid int primary key auto_increment,
sqft int,
years int,
costpersqft int,
price int,
location varchar(30)
);
```

```

create table policy(
    pid int primary key auto_increment,
    qid int,
    orderDate date,
    email varchar(10),
    price int,
    constraint c_o_fk foreign key(email) references customer(email)
);

```

Screenshots of output

The screenshot shows the MySQL Workbench interface with the SQL Editor open. The code area contains the SQL statements for creating the 'policy' table and its constraints. A note on the right side of the interface states: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." The bottom status bar indicates "SQL Editor Opened."

```

15
16 create table quote(
17     qid int primary key auto_increment,
18     sqft int,
19     years int,
20     costpersqft int,
21     price int,
22     location varchar(30)
23 );
24
25
26 create table policy(
27     pid int primary key auto_increment,
28     qid int,
29     orderDate date,
30     email varchar(10),
31     price int,
32     constraint c_o_fk foreign key(email) references customer(email)
33 );*/
34 * select * from customer;

```

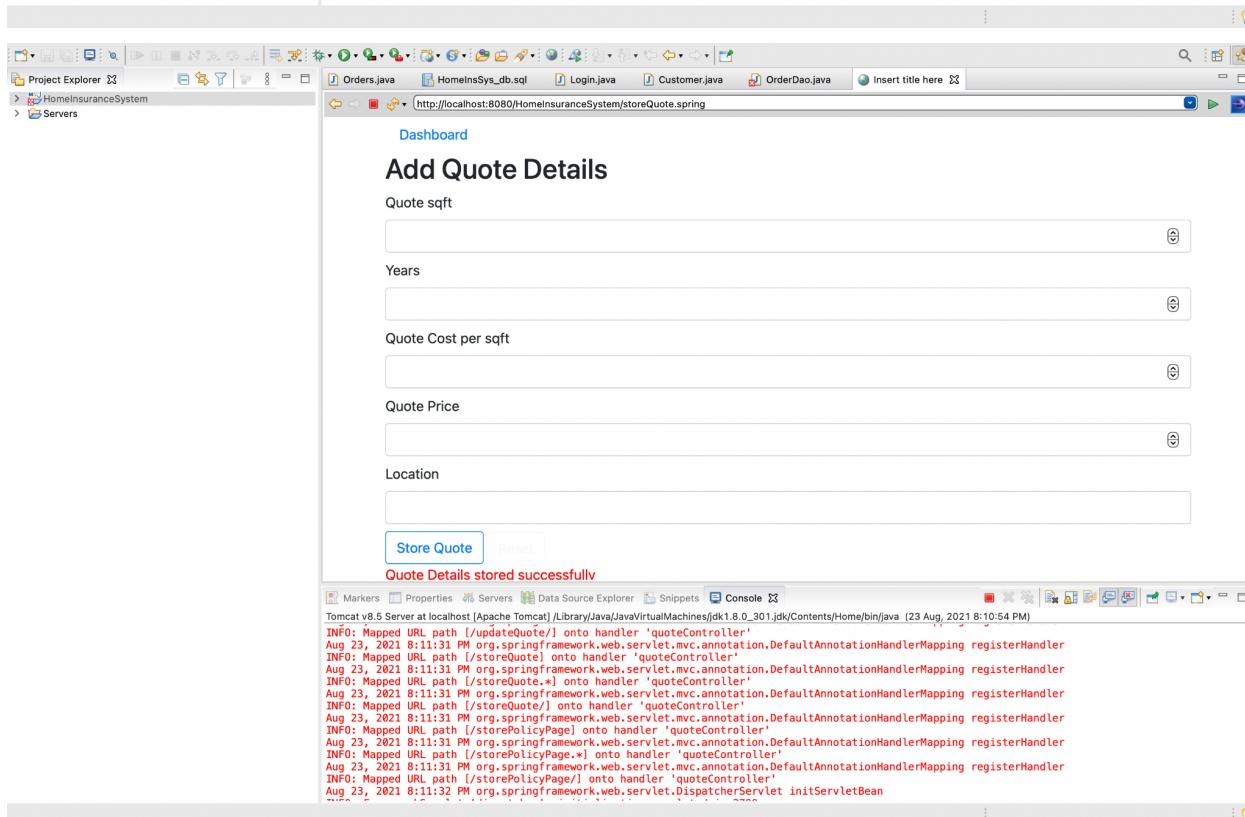
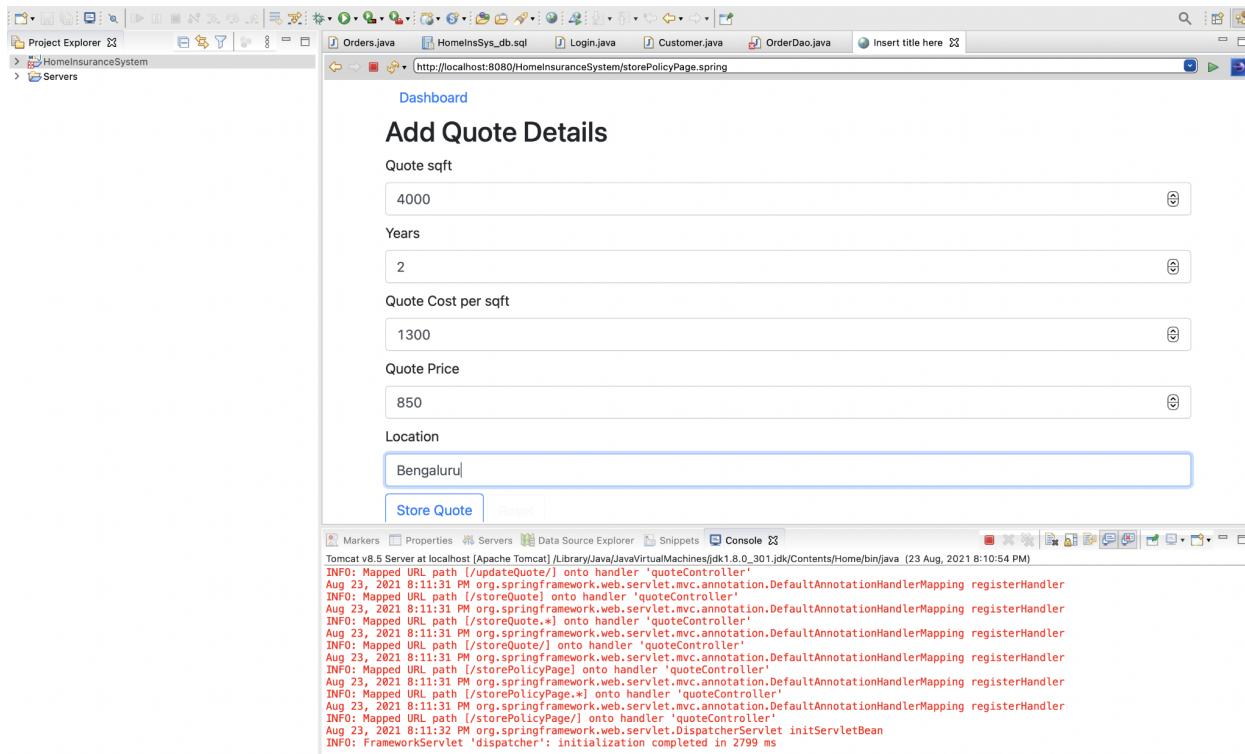
The screenshot shows two instances of the Eclipse IDE interface, each displaying a Java web application.

Top Window:

- Title Bar:** Home Insurance System
- Toolbar:** Standard Eclipse toolbar.
- Project Explorer:** Shows the project structure with files like Orders.java, HomeInsSys_db.sql, Login.java, Customer.java, OrderDao.java, and Home Insurance System.
- Servers:** Shows a Tomcat v8.5 Server at localhost [Started, Synchronized].
- Content Area:** Displays a login form titled "Home Insurance System". It includes fields for "Email address" (with placeholder "We'll never share your email with anyone else."), "Password", and "Type Of User" (radio buttons for Admin and Customer). Below the form are "Sign In", "Reset", and "Sign Up" buttons.
- Console Tab:** Shows logs for the Tomcat server.

Bottom Window:

- Title Bar:** Home Insurance System - Admin Home
- Toolbar:** Standard Eclipse toolbar.
- Project Explorer:** Shows the project structure with files like Orders.java, HomeInsSys_db.sql, Login.java, Customer.java, OrderDao.java, and Home Insurance System - Admin Home.
- Servers:** Shows a Tomcat v8.5 Server at localhost [Started, Synchronized].
- Content Area:** Displays a welcome message "Welcome to Admin Home Page" and navigation links: "Add Policy", "Update Policy", "View Policy", and "Logout".
- Console Tab:** Shows logs for the Tomcat server, including mappings for quoteController, storeQuote, storePolicyPage, and dispatcherServlet.



The screenshot shows the 'View All Quote Details' page. It displays two sets of quote information. The first set is for a quote in Chennai with a quote price of 320 and a quote cost per sqft of 80. The second set is for a quote in Bengaluru with a quote price of 850 and a quote cost per sqft of 1300.

Dashboard

View All Quote Details

Quote Sqft **2000**

Quote Cost per sqft **80**

Location **Chennai**

Quote Price **320**

Quote Sqft **4000**

Quote Cost per sqft **1300**

Location **Bengaluru**

Quote Price **850**

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storeQuote.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicy.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms
Display all quote
```

The screenshot shows the 'Update Quote View' page. It has a search bar with the value '1' and a 'Update Quote' button.

Dashboard

Please enter the quote id to search quote

1

Update Quote

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storeQuote.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicy.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage.*] onto handler 'quoteController'
Aug 23, 2021 8:11:32 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms
Display all quote
```

Screenshot 1: Home Insurance System - Update Selected Policy

The screenshot shows the 'Update Selected Policy' page in a Java IDE. The URL is <http://localhost:8080/HomeInsuranceSystem/updateSelectedPolicy.spring?qid=1>. The page has fields for Quote Id (1), Quote Cost per sqft (80), Quote sqft (2000), and Quote price (320). The 'Update Quote' button is highlighted.

Screenshot 2: Home Insurance System - Update Quote

The screenshot shows the 'Update Quote' page in the same IDE. The URL is <http://localhost:8080/HomeInsuranceSystem/UpdateQuote.spring>. The message 'Product Updated successfully' is displayed in red. The page has the same input fields as the first screenshot.

Console Output (Tomcat v8.5 Server at localhost)

```

Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quoteController'
Aug 23, 2021 8:11:32 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms
Display all quote
Quote id is 1
Event fired...
qid found, returning details
session variable set

```

```

Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)
INFO: Mapped URL path [/storePolicyPage] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quoteController'
Aug 23, 2021 8:11:32 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms
Display all quote
Quote id=1
Event fired...
qid found, returning details
session variable set
Quote [qid=1, sqft=2000, years=0, costpersqft=80, price=320, location=null]

```

Project Explorer Servers

Orders.java HomeInsSys_db.sql Login.java Customer.java OrderDao.java Insert title here

http://localhost:8080/HomeInsuranceSystem/displayAllQuote.spring

Dashboard

View All Quote Details

Quote Sqft 2000
Quote Cost per sqft 80
Location Chennai
Quote Price 372
Quote Sqft 4000
Quote Cost per sqft 1300
Location Bengaluru
Quote Price 850

Markers Properties Servers Data Source Explorer Snippets Console

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quoteController'
Aug 23, 2021 8:11:32 PM org.springframework.web.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms
Display all quote
Quote id is 1
Event fired...
qid found, returning details
session variable set
Quote [id=1, sqft=2000, years=0, costpersqft=80, price=372, location=null]
Display all quote
```

Project Explorer Servers

Orders.java HomeInsSys_db.sql Login.java Customer.java OrderDao.java Home Insurance System

http://localhost:8080/HomeInsuranceSystem/logout.spring

Home Insurance System

Email address

We'll never share your email with anyone else.

Password

Type Of User
 Admin
 Customer

Sign In **Reset** **Sign Up**

Markers Properties Servers Data Source Explorer Snippets Console

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:28)
at org.apache.catalina.core.StandardEngine$StandardEngineValve.invoke(StandardEngineValve.java:99)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:364)
at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:624)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:65)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:831)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1651)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.lambda$doRun$0(NioEndpoint.java:1489)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:615)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:615)
at java.lang.Thread.run(Thread.java:748)
```

Welcome to Customer Home Page gags@gmail.com

Get a quote Retrieve Existing Quotes View Policy Details Account Details Logout

Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)

```

Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage.*] onto handler 'quoteController'
Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage/] onto handler 'quotedController'
Aug 23, 2021 8:11:32 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms

```

Display all quote
 Quote id is 1
 Event fired...
 qid found, returning details
 session variable set
 Quote [qid=1, sqft=2000, years=0, costpersqft=80, price=372, location=null]
 Display all quote

Processed for Cart Dashboard

Quote Sqft 2000
Quote Cost per sqft 80
Location Chennai
Quote Price 372

Quote Sqft 4000
Quote Cost per sqft 1300
Location Bengaluru
Quote Price 850

Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)

```

Aug 23, 2021 8:11:31 PM org.springframework.web.servlet.mvc.annotation.DefaultAnnotationHandlerMapping registerHandler
INFO: Mapped URL path [/storePolicyPage.*] onto handler 'quoteController'
Aug 23, 2021 8:11:32 PM org.springframework.web.servlet.DispatcherServlet initServletBean
INFO: FrameworkServlet 'dispatcher': initialization completed in 2799 ms

```

Display all quote
 Quote id is 1
 Event fired...
 qid found, returning details
 session variable set
 Quote [qid=1, sqft=2000, years=0, costpersqft=80, price=372, location=null]
 Display all quote
 Aug 23, 2021 8:14:09 PM org.springframework.web.servlet.PageNotFound noHandlerFound
 WARNING: No mapping found for HTTP request with URI [/HomeInsuranceSystem/getQuote.spring] in DispatcherServlet with name 'dispatcher'

Dashboard

Balance Amount is Rs 2000.0

Amount

Add Amount **Reset**

Console

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:89)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:364)
at org.apache.coyote.ajp.AjpProcessor.process(AjpProcessor.java:197)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:65)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:831)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1651)
at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

Dashboard

Balance Amount is Rs 7000

Amount

Add Amount **Reset**

Amount Added successfully

Console

```
Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/dk1.8.0_301.jdk/Contents/Home/bin/java (23 Aug, 2021 8:10:54 PM)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:89)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:364)
at org.apache.coyote.ajp.AjpProcessor.process(AjpProcessor.java:197)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:65)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:831)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1651)
at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:748)
```

Screenshot of the Eclipse IDE showing the HomeInsuranceSystem project. The browser window displays the customerSignUp.jsp page.

Customer Sign Up Form:

- First Name: Shreya
- Last Name: D
- Password: *****
- Email: shrea@gmail.com
- Gender: Female (radio button selected)
- DOB: 1999-06-14
- City: Mysore
- Buttons: Account Create, Reset, Login

Console Output (Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]):

```

at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:78)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:364)
at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:197)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:65)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:831)
at org.apache.tomcat.util.net.NioEndpointSocketProcessor.doRun(NioEndpoint.java:1651)
at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
at org.apache.tomcat.util.threads.TaskWrappingRunnable.run(TaskInThread.java:61)
at java.lang.Thread.run(Thread.java:748)

```

Customer Sign Up Form (Filled):

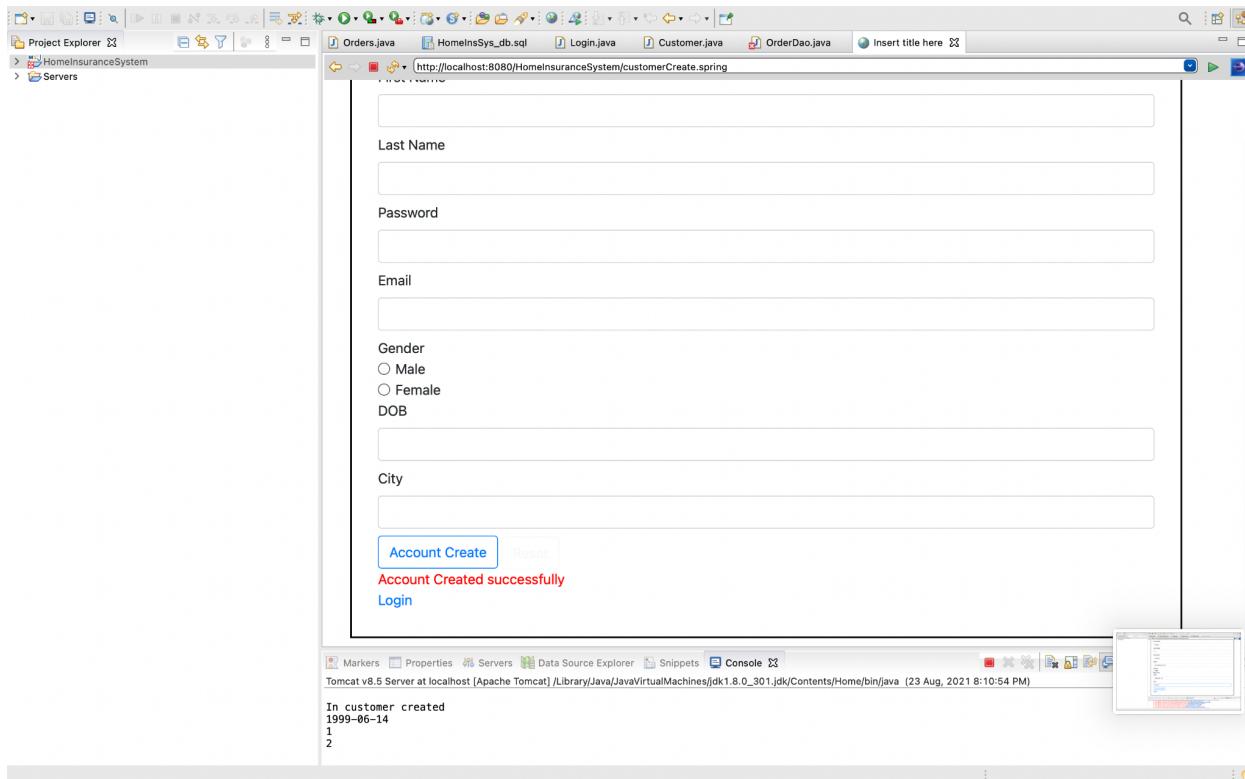
- First Name: Shreya
- Last Name: D
- Password: *****
- Email: shrea@gmail.com
- Gender: Female (radio button selected)
- DOB: 1999-06-14
- City: Mysore
- Buttons: Account Create, Reset, Login

Console Output (Tomcat v8.5 Server at localhost [Apache Tomcat] /Library/Java/JavaVirtualMachines/jdk1.8.0_301.jdk/Contents/Home/bin/java [23 Aug, 2021 8:10:54 PM]):

```

at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:78)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:698)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:78)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:364)
at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:197)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:65)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:831)

```



The screenshot shows the MySQL Workbench interface. On the left, the Schemas pane displays the HomeInsDB schema with tables like customer, Login, and policy. The customer table is selected, showing columns: firstName, lastName, password, email, gender, dob, city, accnumbere, and amount. The table data shows two rows: Gagana and Shreya. The middle pane shows the SQL editor with the following code:

```

1 /*create database HomeInsDB; */
2 • use HomeInsDB;
3
4 • /*create table customer
5   firstName varchar(20),

```

The right pane shows the Result Grid with the same data as the table. Below the grid is the Action Output pane, which lists the following queries and their results:

Action	Time	Response	Duration / Fetch Time
select * from customer LIMIT 0, 1000	20:11:55	Error Code: 1046. No database selected Select the...	0.00067 sec
select * from customer LIMIT 0, 1000	20:12:05	Error Code: 1046. No database selected Select the...	0.00019 sec
/* create database HomeInsDB	20:16:23	Error Code: 1064. You have an error in your SQL syn...	0.00016 sec
use HomeInsDB	20:16:35	0 row(s) affected	0.00020 sec
select * from customer LIMIT 0, 1000	20:16:35	2 row(s) returned	0.00028 sec / 0.000...