

User guide

1) This assignment has achieved the high distinction, and I have completed the following parts:

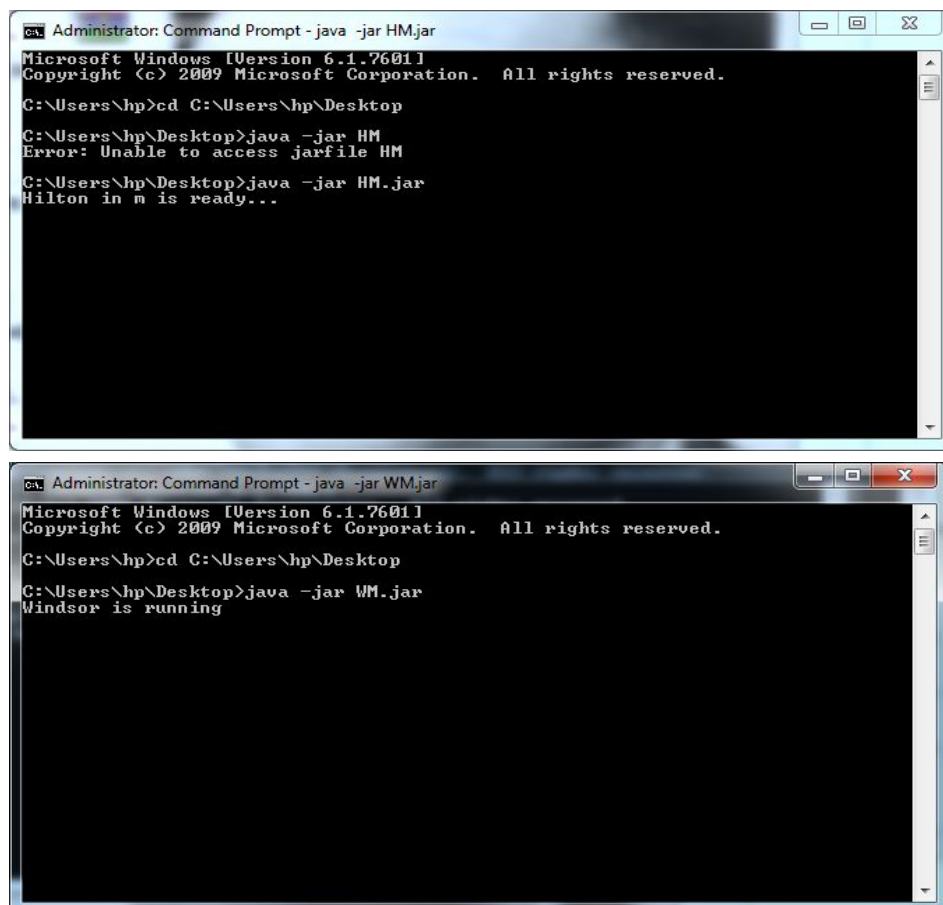
I use two technologies, both JAVA RMI and CORBA, to communicate between the Hotel Booking broker and hotel Servers. Communication between client and broker uses RMI, and CORBA and RMI are used to communicate between broker and two hotel servers.

In addition, I write a client which uses web service technology to communicate with hotel servers.

2) Firstly, we need to go to dist directory and find the id26346745.sql file. Run the file in MYSQL and build a database. User name is fit5183a1, password is null. Now you can use this database and execute related operation.

Secondly, you need copy the HotelHM_lib into 5 copies and change their name to the related rar files, then run the runAll.bat, the servers will be in use. Then you need start client in command prompt. Once Client interface is showing, then you can type the command present in the interface to continue operation.

As you can see in the following picture, the servers and client are running.



```
ca. Administrator: Command Prompt - java -jar HM.jar
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\hp>cd C:\Users\hp\Desktop
C:\Users\hp\Desktop>java -jar HM
Error: Unable to access jarfile HM
C:\Users\hp\Desktop>java -jar HM.jar
Hilton in m is ready...

ca. Administrator: Command Prompt - java -jar WM.jar
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\hp>cd C:\Users\hp\Desktop
C:\Users\hp\Desktop>java -jar WM.jar
Windsor is running
```

```

Administrator: Command Prompt - java -jar Broker.jar
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\hp>cd C:\Users\hp\Desktop
C:\Users\hp\Desktop>java -jar Broker.jar
The middle server is ready...

```

```

Administrator: Command Prompt - java -jar Client.jar
C:\Users\hp\Desktop>java -jar Client.jar

!city: show the cities                                     !
!hotel : show hotels                                       !
!roomrate : show the roomrate                             !
!book: book a room                                         !
!query: query a room vacancy                             !
!exit: exit                                                !
=====

Enter one of the following request :
CITY - HOTEL - ROOMRATE - QUERY - BOOK - EXIT.
city
Request was city
City list:
1      Melbourne
2      Sydney
Enter one of the following request :
CITY - HOTEL - ROOMRATE - QUERY - BOOK - EXIT.

```

- Type the command “client” :

```

Request was city
City list:
1      Melbourne
2      Sydney

```

- Type the command “hotel”:

```

Request was hotel
Please select a city you wanna live in:
A. Melbourne
a
hotel list:
1      hilton
2      windsor

```

- Type the command “roomrate”:

```

Request was roomrate
Check out the roomrate of Hotels in the list:
A. Hilton in Melbourne      B. Windsor in Melbourne
a
roomrate list:
1      single      101      100
2      single      102      100
3      single      103      100
4      double      201      200
5      double      202      200
6      double      203      200
7      standard      301      150
8      standard      302      150
9      standard      303      150

```

- Type the command “query”:

```

Request was query
Select one of the hotels in the list:
A. Hilton in Melbourne          B. Windsor in Melbourne
a
Select one roomtype:
A. single          B. double          C. standard
b
The Room No :201          202          203
Select one room:
201
The room booking condition:you can book every room
Type one day you wanna live in <1-30>:
1
Type one day you leave <1-30>:
2
you can book this room

```

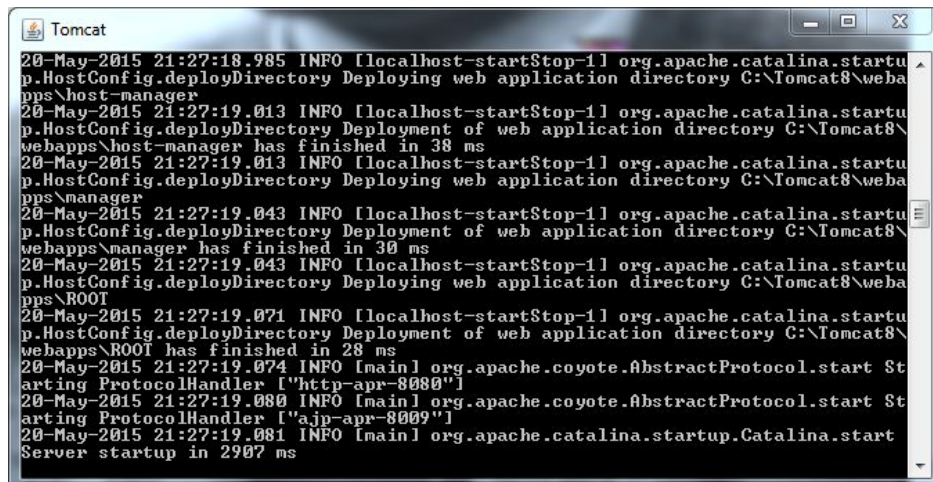
- Type the command “book”:

```

Request was book
Select one of the hotels in the list:
A. Hilton in Melbourne          B. Windsor in Melbourne
b
Select one roomtype:
A. single          B. double          C. standard
a
the Room No:101          102          103
Choose room no:
101
Enter your name:
zxa
Enter your phone:
18036393279
Enter your credit card number:
320923199203230056
Enter one day in May 2015 to check in <1-31>:
23
Enter one day in May 2015 to check out <1-31>:
24
you have book the room successfully

```

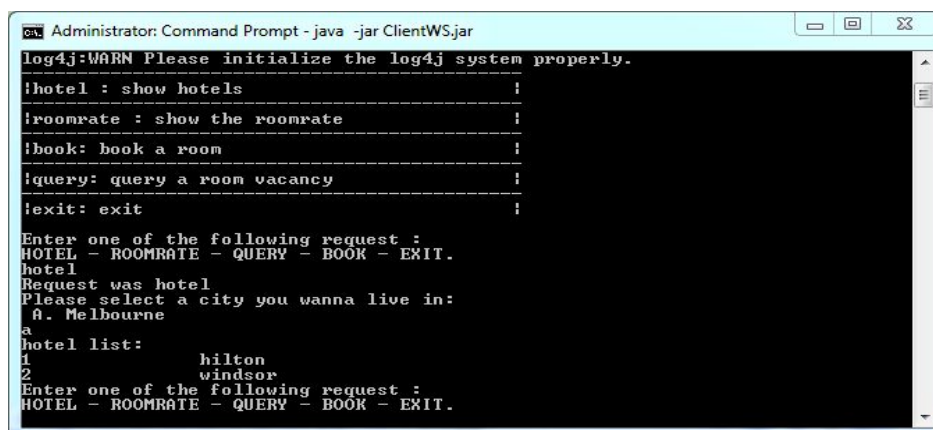
Thirdly, you need close Broker and start WS.jar in command prompt. Then you can see the following picture.



```

Tomcat
20-May-2015 21:27:18.985 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deploying web application directory C:\Tomcat8\weba
pps\host-manager
20-May-2015 21:27:19.013 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deployment of web application directory C:\Tomcat8\
webapps\host-manager has finished in 38 ms
20-May-2015 21:27:19.013 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deploying web application directory C:\Tomcat8\weba
pps\manager
20-May-2015 21:27:19.043 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deployment of web application directory C:\Tomcat8\
webapps\manager has finished in 30 ms
20-May-2015 21:27:19.043 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deploying web application directory C:\Tomcat8\weba
pps\ROOT
20-May-2015 21:27:19.071 INFO [localhost-startStop-1] org.apache.catalina.startup
p.HostConfig.deployDirectory Deployment of web application directory C:\Tomcat8\
webapps\ROOT has finished in 28 ms
20-May-2015 21:27:19.074 INFO [main] org.apache.coyote.AbstractProtocol.start St
arting ProtocolHandler ["http-apr-8080"]
20-May-2015 21:27:19.080 INFO [main] org.apache.coyote.AbstractProtocol.start St
arting ProtocolHandler ["ajp-apr-8009"]
20-May-2015 21:27:19.081 INFO [main] org.apache.catalina.startup.Catalina.start
Server startup in 2907 ms

```



```

Administrator: Command Prompt - java -jar ClientWS.jar
log4j:WARN Please initialize the log4j system properly.
=====
!hotel : show hotels                                     !
!roomrate : show the roomrate                           !
!book: book a room                                       !
!query: query a room vacancy                             !
!exit: exit                                              !
=====
Enter one of the following request :
HOTEL - ROOMRATE - QUERY - BOOK - EXIT.
hotel
Request was hotel
Please select a city you wanna live in:
A. Melbourne
a
hotel list:
1          hilton
2          windsor
Enter one of the following request :
HOTEL - ROOMRATE - QUERY - BOOK - EXIT.

```

The rest operations are familiar with the prior operations.