

User guide

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

- The system can show the cities are currently serviced, which are Melbourne and Sydney separately.
- For a given city, it can show the hotels that are currently serviced. For example, if i type the city Melbourne, it will show two hotels: Hilton & Windsor; and if I type the city Sydney, it will show the hotel: Hilton.
- So, if I give a particular hotel, it will show a list contains Room type, Room id, Room rate etc.
- If I want to book a room, I just need choose a hotel and select one kind of room and type the day to check in and check out. The system will return the results whether I could book the room.
- Then booking a room, I need to choose one room and enter my name, phone number, credit number, check in day and check out day. PS: For simplicity, I assume all vacancies and booking should be for March, 2015).

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, we need to run jar file ServerHM.jar, ServerHS.jar, ServerWM.jar, Broker.jar, ClientUI.jar one by one. Once ClientUI.jar is running, then you can type the command present in the interface to continue operation. If it has errors, most probably is that it lacks mysql-connector-java-5.1.27-bin.jar.

- ◆ Type the “java -jar ServerWM.jar” in command window, one hotel server is running

```
Microsoft Windows [Version 6.1.7601]
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C:\Users\hp>cd .\Desktop

C:\Users\hp\Desktop>java -jar ServerWM.jar
Windsor in Melbourne is running
```

- ◆ Type the “java -jar ServerHM.jar” in command window, one hotel server is running

```
C:\Users\hp>cd .\Desktop

C:\Users\hp\Desktop>java -jar ServerHM.jar
Hilton in Melbourne is running
```

- ◆ Type the “java -jar ServerHS.jar” in command window, one hotel server is running

```
C:\Users\hp>cd .\Desktop
C:\Users\hp\Desktop>java -jar ServerHS.jar
Hilton in Sydney is running
```

- ◆ Type the “java -jar Broker.jar” command, and the middle layer server is running.

```
C:\Users\hp>cd .\Desktop
C:\Users\hp\Desktop>java -jar Broker.jar
The broker is running
```

- ◆ Type the “java -jar ClientUI.jar” command, and the user interface is running.

```
C:\Users\hp>cd .\Desktop
C:\Users\hp\Desktop>java -jar ClientUI.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.
```

- ◆ Then you can type the following instructions. For example, type the “CITY”, you can get the city id and name.

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

- ◆ Enter the “HOTEL”, it will remind you to choose one city, then type the city “Melbourne or Sydney”, you will get the hotel list in selected city.

```
city HOTEL ROOMRATE QUERY BOOK EXIT
hotel
Please select a city name (Melbourne or Sydney):
melbourne
hotel in melbourne:
1           Hilton
2           Windsor
```

- ◆ Enter the “ROOMRATE”, it will present the city id and hotel id for you to choose, type the number “1 or 2”, you will get the room rate and other information in selected hotel.

```
roomrate
Please select a city id (Melbourne = 1 , Sydney = 2):
1
Please select a hotel id (Hilton = 1 , Windsor = 2):
1
roomrate :
  hotel      roomid      roomtype      rate
Hilton      101         single        100
Hilton      102         double        230
Hilton      103         luxury        500
```

- ◆ Enter the “QUERY”, select one option and type the check in day and check out day, you will know whether you can book room in hotel.

```
query
Please select a hotel you wanna in: (A.Hilton in Melbourne      B.Windsor in Melbourne
or in Melbourne      C.Hilton in Sydney)
a
Please select a roomtype (A.single      B.double      C.luxury):
b
type a day in 2015 March to check in:
12
type a day in 2015 March to check out:
23
you can book this room
```

- ◆ Type the “BOOK” command, choose the city, hotel and room type, then enter your name, phone number, credit number check in day and check out day and you can complete booking operation.

```
book
Please choose a city (A.Melbourne B.Sydney):
a
Please choose a hotel (A.Hilton B.Windsor):
b
Please select a room type (single; double; luxury):
luxury
Enter your name:
luffy
Enter your phone:
18036293279
Enter your credit card number:
320923199203230052
Enter one day in March 2015 to check in (1-31):
3
Enter one day in March 2015 to check out (1-31):
4
you have book the room successfully.
```

- ◆ At last, type the “EXIT”, exit the system.

```
exit
C:\Users\hp\Desktop>
```