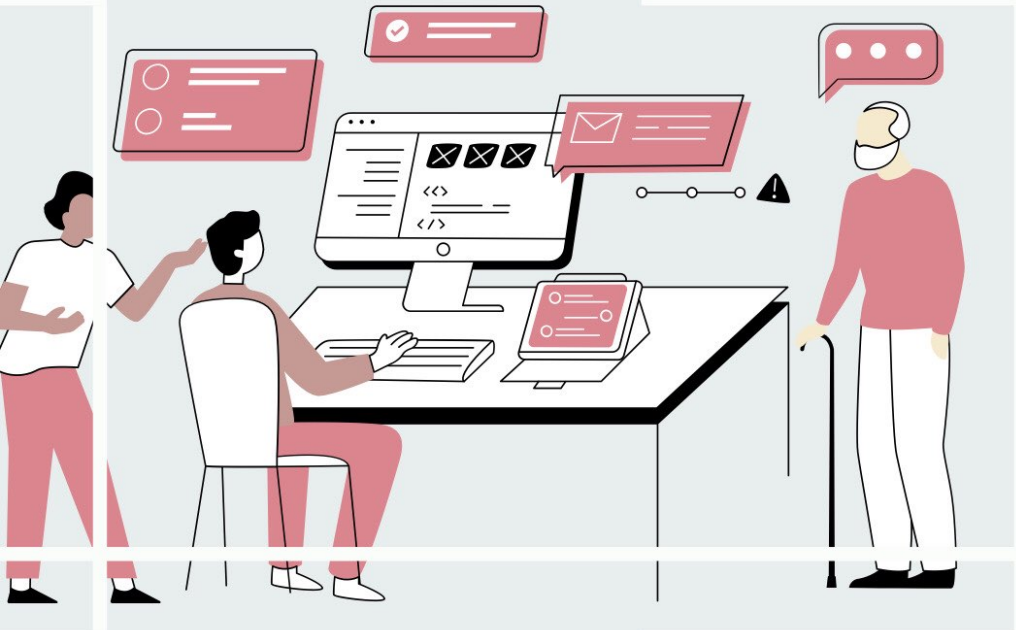




جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

OOP2 PROJECT

# IntraciveRoom Reservation Application



ZAKIH ALGHAZWI  
SHAHAD EMAD  
RENAD ALSHAHRANI

Login frame

Login

User Name

Password

Login

Sign up

WELCOME TO OUR APPLICATION

INTERACTIVEROOM SYSTEM

Sign up frame

Enter Your Information:

Enter Name :

Enter ID :

Enter Email :

Enter Job Title :

Enter Password :

☐ Manager ☐ User

Done

WELCOME TO OUR APPLICATION

INTERACTIVEROOM SYSTEM

User menue frame

Choose your Process :

select here..

select here..

Reservation Room

Cancel Reservation

Choose

Manager menue frame

Choose your Process :

select here..

select here..

Add new Room

Delete or Update Room

Choose

Reserve Room frame

\*\*\* Our Intractive Rooms \*\*\*

Room Id	SectionN1	SectionN2	SectionN3	SectionC...	SectionC...	SectionC...	RoomCap	Manager ...
1234	Play roles			37	null	null	37	400
8851	discussion	Read	Write	32	20	20	72	390
91	Creativity			24	61	null	85	394
92	research	Reports		24	50	null	74	400
99	Activity	Play rols	Song	24	44	27	145	400

Enter Room ID

☐ All Sections ☐ Specific Section

Next

Add room frame

Add new Intractive Room

Enter the properties of new Room:

Enter Room Name

Choose number of section 

select here..

Enter Room Id

Section1

Section1

Section1

Section Na...

Section Capacity :

Section Na...

Section Capacity :

Section Na...

Section Capacity :

Back menu

Add

Choose time frame

Reservation Time :

SlotNumber	Hours	appointment...	Booking_sta...
1	07:00:00	9990	false
2	09:00:00	6767	false
9	10:00:00	8676	false
8	02:00:00	1000	false
6	04:00:00	32	false

Enter Slot Number

OK

Delete or update room frame

Room Details

roomid	sectionN1	sectionN2	sectionN3	sectionCa...	sectionCa...	sectionCa...	RoomCap	Manager Id
90	Groups	discussion		20	80	null	100	394
1234	Play roles			37	null	null	37	400
8851	discussion	Read	Write	32	20	20	72	390
91	Creativity			24	61	null	85	394
92	research	Reports		24	50	null	74	400
99	Activity	Play rols	Song	24	44	27	145	400

Room Id

Section Name 1

Section capacity 1

Room Capacity

Section Name 2

Section capacity 2

Manager Id

Section Name 3

Section capacity 3

Delete

Update

Clear

Cancel reservation frame

Cancel Reservation

Enter the Number of Reservation

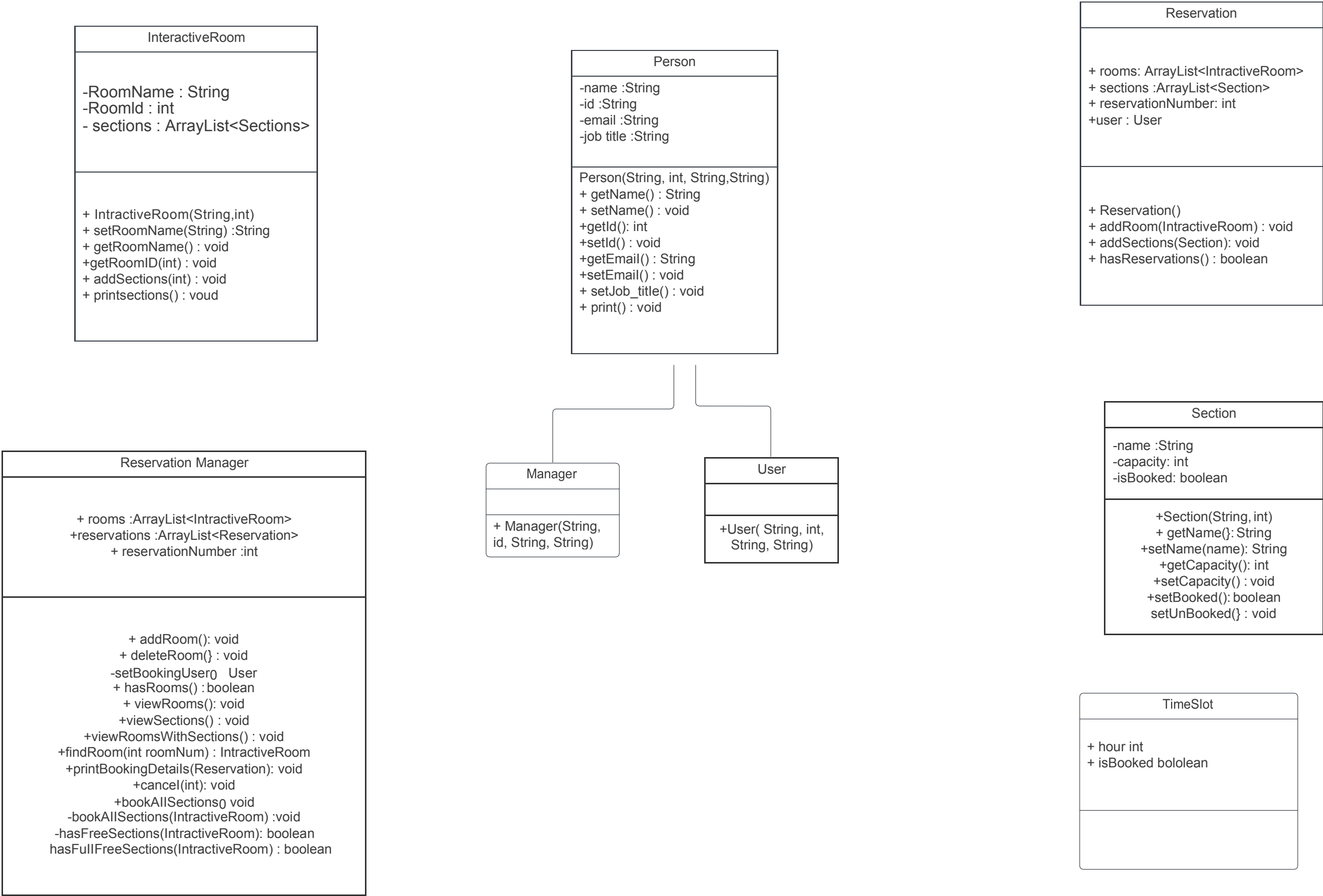
Cancel

Go back to menu

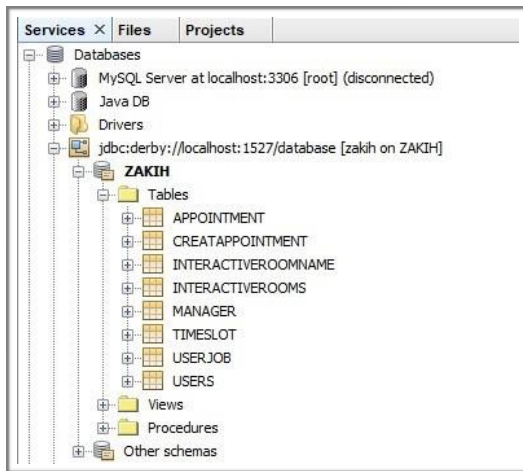
Exit

End

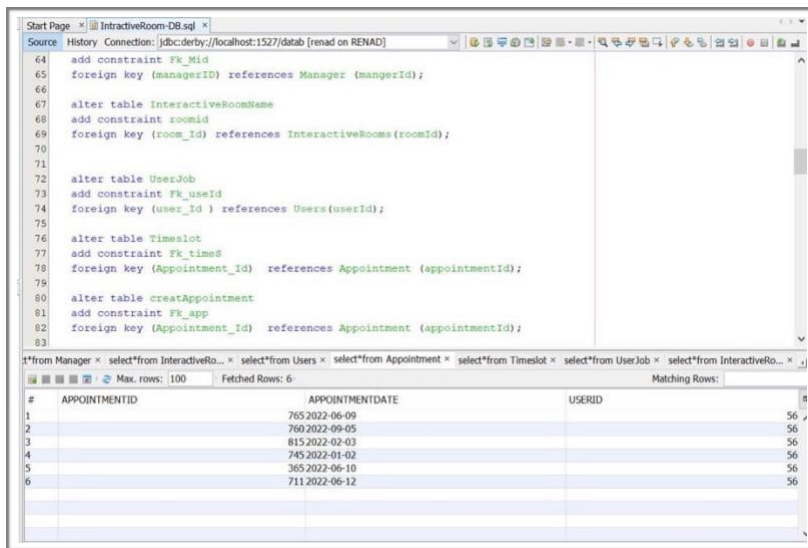
End



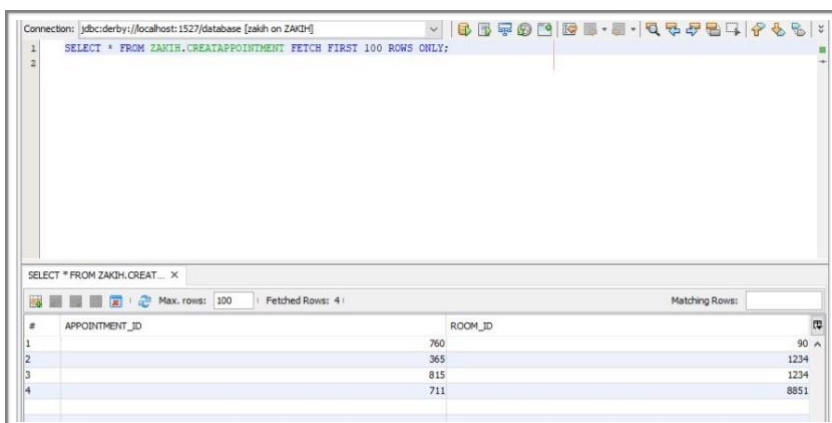
## The Tables:



## Appointment table:



## CreatAppointment table :





User table:

Start Page | IntraActiveRoom-DB.sql

Source | History | Connection: jdbc:derby://localhost:1527/datab [renad on RENAD]

```
64 add constraint FK_Mld
65 foreign key (managerID) references Manager (managerID);
66
67 alter table InteractiveRoomName
68 add constraint roomid
69 foreign key (room_id) references InteractiveRooms(roomId);
70
71
72 alter table UserJob
73 add constraint FK_userId
74 foreign key (user_id ) references Users(userId);
75
76 alter table Timeslot
77 add constraint FK_timeS
78 foreign key (Appointment_id) references Appointment (appointmentId);
79
80 alter table creatAppointment
81 add constraint FK_app
82 foreign key (Appointment_id) references Appointment (appointmentId);
83
```

1\*from Manager × select\*from InteractiveRo... × select\*from Users × select\*from Appointment × select\*from Timeslot × select\*from UserJob × select\*from InteractiveRo... ×

Max. rows: 100 | Fetched Rows: 4 | Matching Rows:

#	USERID	USER_FIRSTNAME	USER_MIDDLENAME	USER_LASTNAME	EMAIL
1	56	hawra	ameen	hulili	Hah@hotmail.com
2	923	fatima	hassan	ghazwi	fati@hotmail.com
3	912	hana	ahmed	ashedi	Han@hotmail.com
4	111	layla	mohamed	albendi	Luno@hotmail.com

InteractiveRoomName table:

149 insert Timeslot
150 values(1,'7:00',365,false);
151 insert Timeslot
152 values(2,'9:00',765,false);
153 insert Timeslot
154 values(3,'10:00',815,false);
155 insert Timeslot
156 values(8,'2:00',365,false);
157 insert Timeslot
158 values(6,'4:00',711,false);
159
160 select\*from Timeslot;
161
162 insert UserJob
163 values(56,'teacher');
164
165 insert UserJob
166 values(923,'supervisor');
167
168 insert UserJob
169 values(912,'supervisor');
170
171 insert UserJob
172 values(111,'supervisor');

1\*from Manager × select\*from InteractiveRo... × select\*from Users × select\*from Appointment × select\*from Timeslot × select\*from UserJob × select\*from InteractiveRo... ×

Max. rows: 100 | Fetched Rows: 3 | Matching Rows:

#	ROOM_ID	ROOMNAME
1	90	smart hall
2	1234	meeting
3	8851	Research and Innovation

InteractiveRoom table:

Start Page | IntraActiveRoom-DB.sql

Source | History | Connection: jdbc:derby://localhost:1527/datab [renad on RENAD]

```
64 add constraint FK_Mld
65 foreign key (managerID) references Manager (managerID);
66
67 alter table InteractiveRoomName
68 add constraint roomid
69 foreign key (room_id) references InteractiveRooms(roomId);
70
71
72 alter table UserJob
73 add constraint FK_userId
74 foreign key (user_id ) references Users(userId);
75
76 alter table Timeslot
77 add constraint FK_timeS
78 foreign key (Appointment_id) references Appointment (appointmentId);
79
80 alter table creatAppointment
81 add constraint FK_app
82 foreign key (Appointment_id) references Appointment (appointmentId);
83
```

1\*from Manager × select\*from InteractiveRo... × select\*from Users × select\*from Appointment × select\*from Timeslot × select\*from UserJob × select\*from InteractiveRo... ×

Max. rows: 100 | Fetched Rows: 3 | Matching Rows:

#	ROOMID	SECTIONNAME	SECTIONCAPACITY	ROOMCAPACITY	MANAGERID
1	90	Discussion	20	80	394
2	1234	Discussion	80	80	400
3	8851	groups	50	90	390

## Manager table:

Start Page x IntractiveRoom-DB.sql x  
Source History Connection: jdbc:derby://localhost:1527/datab [renad on RENAD]

```

1
2 create database InteractiveRooms;
3 use InteractiveRooms;
4
5 create table Manager (
6   mangId numeric(10) not null,
7   mang_firstName varchar(10) not null,
8   mang_middleName varchar(10) not null,
9   mang_lastName varchar(10) not null,
10  email varchar(25),

```

select\*from Manager x select\*from InteractiveRo... x select\*from Users x select\*from Appointment x select\*from Timeslot x select\*from UserJob x select\*from InteractiveR...

Max. rows: 100 Fetched Rows: 4 Matching Rows:

#	MANGERID	MANG_FIRSTNAME	MANG_MIDDLENAME	MANG_LASTNAME	EMAIL
1	394	Ahmed	saleh	Alghazvi	ASA@hotmail.com
2	390	sara	mohamed	Alahmed	SMA@hotmail.com
3	400	zahra	ali	Alahmed	ZAA@hotmail.com
4	408	hassan	bader	Aljaber	SMA@hotmail.com

## TimeSlot Table:

Start Page x IntractiveRoom-DB.sql x  
Source History Connection: jdbc:derby://localhost:1527/datab [renad on RENAD]

```

149 insert Timeslot
150 values(1,'7:00',365,false);
151 insert Timeslot
152 values(2,'9:00',765,false);
153 insert Timeslot
154 values(9,'10:00',815,false);
155 insert Timeslot
156 values(8,'2:00',365,false);
157 insert Timeslot
158 values(6,'4:00',711,false);
159
160 select*from Timeslot;
161
162 insert UserJob
163 values(056,'teacher');
164
165 insert UserJob
166 values(923,'Supervisor');
167
168 insert UserJob

```

select\*from Manager x select\*from InteractiveRo... x select\*from Users x select\*from Appointment x select\*from Timeslot x select\*from UserJob x select\*from InteractiveR...

Max. rows: 100 Fetched Rows: 5 Matching Rows:

#	SLOTNUMBER	HOURS	APPOINTMENT_ID	BOOKING_STATUS
1		107:00:00		365
2		209:00:00		765
3		604:00:00		711
4		802:00:00		365
5		910:00:00		815

## UserJob Table:

Start Page x IntractiveRoom-DB.sql x  
Source History Connection: jdbc:derby://localhost:1527/datab [renad on RENAD]

```

149 insert Timeslot
150 values(1,'7:00',365,false);
151 insert Timeslot
152 values(2,'9:00',765,false);
153 insert Timeslot
154 values(9,'10:00',815,false);
155 insert Timeslot
156 values(8,'2:00',365,false);
157 insert Timeslot
158 values(6,'4:00',711,false);
159
160 select*from Timeslot;
161
162 insert UserJob
163 values(056,'teacher');
164
165 insert UserJob
166 values(923,'Supervisor');
167
168 insert UserJob

```

select\*from Manager x select\*from InteractiveRo... x select\*from Users x select\*from Appointment x select\*from Timeslot x select\*from UserJob x select\*from InteractiveR...

Max. rows: 100 Fetched Rows: 4 Matching Rows:

#	USER_ID	JOBTITLE
1		56 teacher
2		111 professor
3		912 teacher
4		923 supervisor