

JDBC Project

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1 Use Case Diagram

NOTE: Since all the tables should be able to access any other table in the database for smooth working of the management system we are displaying all of them in the use case diagram.

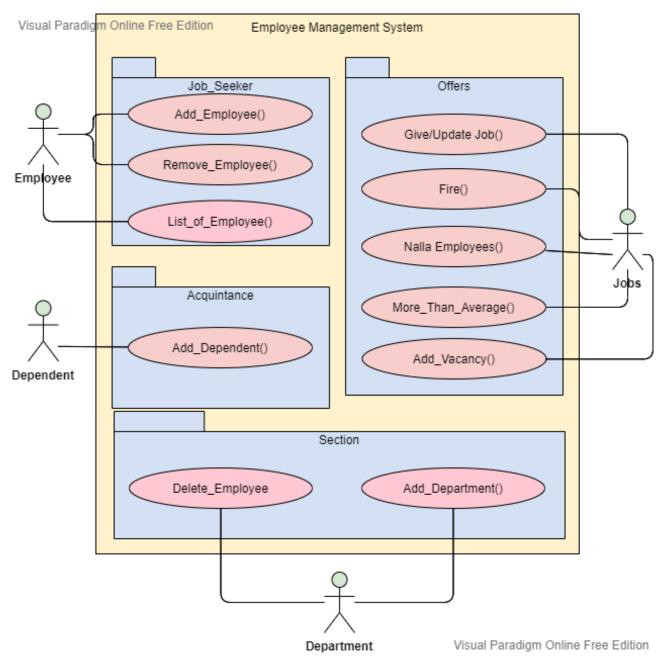


Figure 1: Use Case Diagram of Employee Management System



2 UML Diagram

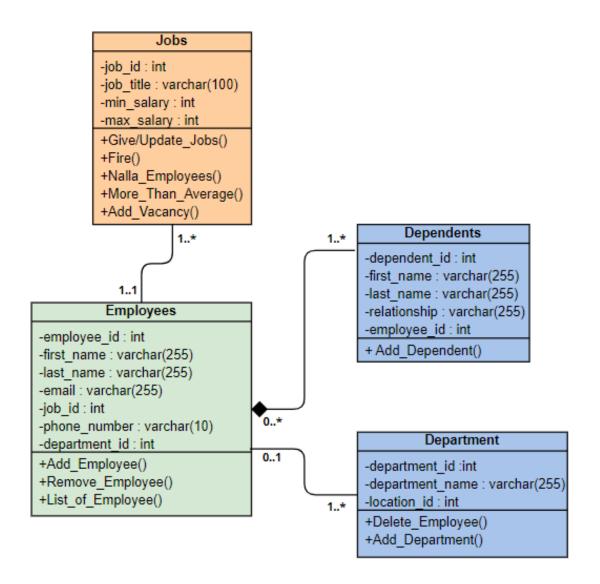


Figure 2: UML Diagram of DB



3 OR Mapping

Inputs:

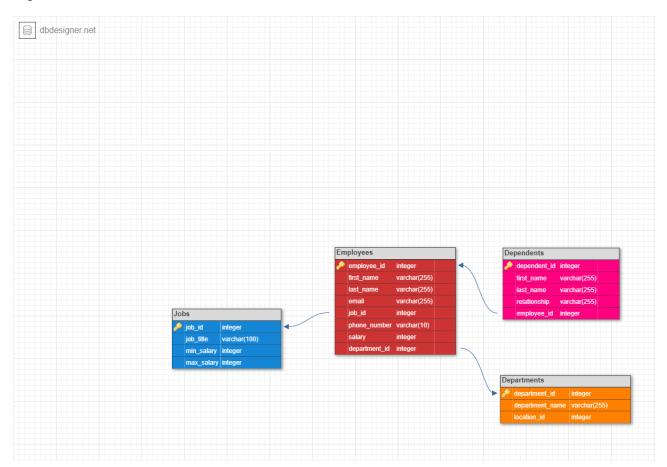


Figure 3: OR Mapping of DB

4 Instructions to Run the Code and Notes

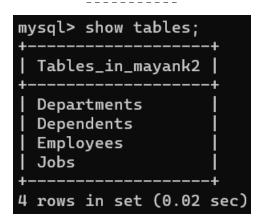
```
# To create a database
source <PATH OF jdbc.sql>
# To run the actual code
export CLASSPATH = 'PATH:.'
javac JdbcDemo.java
java JdbcDemo
#Now you can browse through the Menu-driven Interface
```

NOTE: I have added extra functionality for DEMO purposes. The extra functionalities are SELECT and DELETE queries on Dependents, Departments and Jobs tables.

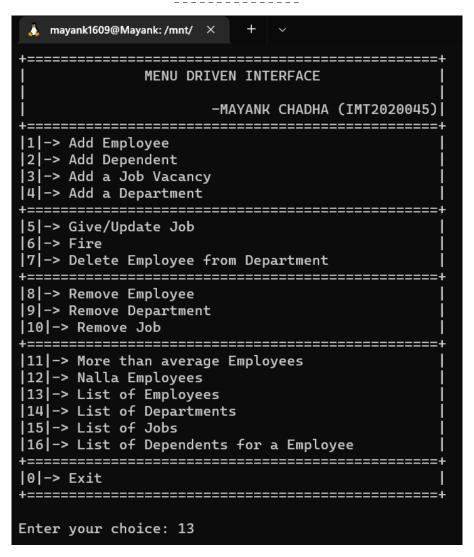


5 Output Screenshots

Tables in DB



Menu Command-1

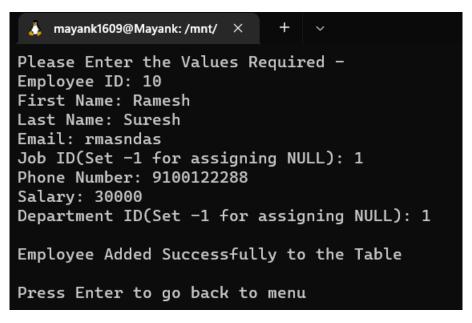




List of Employees

<pre>mayank1609@Mayank:/mnt/ × Printing out the list of Em</pre>	+ v ployees			
+ ID Name	Email id	 	Phone Number	Salary
1 Mayank Chadha 2 Anshul Jindal 3 Shridhar Sharma 4 Shreeya Vennati 5 Ramesh Suresh	chadhamayank1609 anshuljindal1601 shrisharma2602 sventi1403 sramesh		9166853967 9786523457 9013812213 9817238829 9221213737	300000 400000 500000 300000 0
Press Enter to go back to m	enu			

Addition of Employee

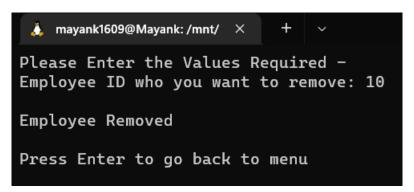




${\bf Check\ if\ Added}$

🔥 mayank1609@Mayank: /mnt/ × + ~						
Printing out the list of Employees						
+ ID Name	 Email id	 I	 Phone Number	+ Salary		
+	chadhamayank1609 chadhamayank1609 anshuljindal1601 shrisharma2602 sventi1403 sramesh rmasndas		9166853967 9786523457 9013812213 9817238829 9221213737 9100122288	300000 300000 400000 500000 300000		
Press Enter to go back to menu				+		

Remove Employee



Check if Removed

🍌 mayank1609@Mayank:/mnt/ × +	~			
Printing out the list of Emp	Loyees			
+				+
ID Name	Email id		Phone Number	Salary
1 Mayank Chadha	 chadhamayank1609		9166853967	300000
2 Anshul Jindal	anshuljindal1601	i i	9786523457	400000
3 Shridhar Sharma	shrisharma2602	i i	9013812213	500000
4 Shreeya Vennati	sventi1403		9817238829	300000
5 Ramesh Suresh	sramesh		9221213737	0
+				+
Press Enter to go back to men	ıu			



Update Job

```
Please Enter the Values Required -
Employee ID who you want to update: 2
Job id which you want to update to: 1
Employee Status Updated
Press Enter to go back to menu
```

Dependent using inner join

