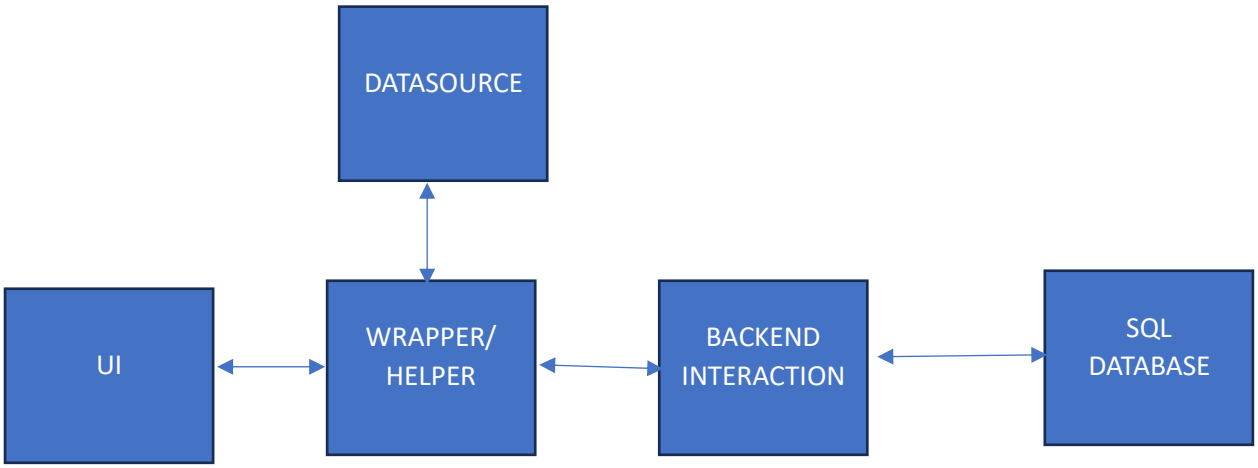
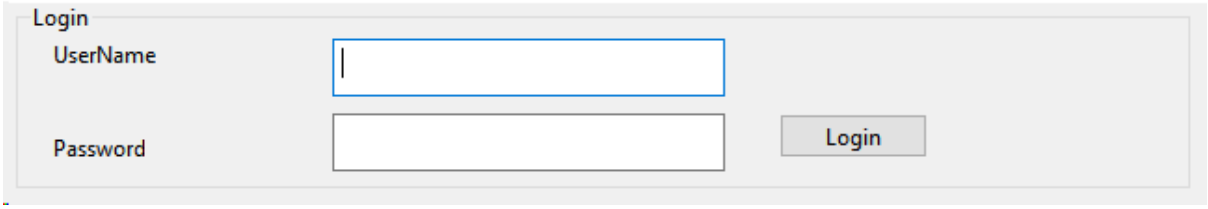
Design Document/User guide for Employee management system.

Block Diagram:



UI has two parts:(Login section, Database management section)

1: Login section:



In the Login section, UI ask for Username, Password credentials.

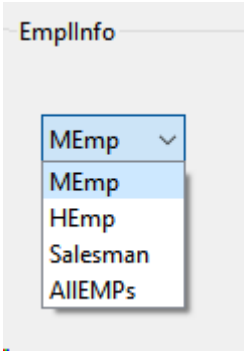
Username = admin Password = 1234

2: Database management section:

In this UI section, support 4 operations.

1.Insert 2. Delete 3.Search 4.Show

For every insert operation, first of all select the Employee type (Monthly employee(MEmp), Hourly Paid Emp (HEmp),Salesman).Press



After selecting Employee type, enter required values and then click Insert button for adding to data base.

2: **Deletion** of particular entry from the data base

For Deleting particular entries from the data base, select employee type and give social security number. Press Delete button.

3: **Search** for particular entry from the data base

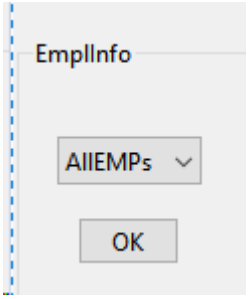
For Searching particular entry from the data base, select employee type and give social security number.Then click Search button.

4: **Show** the employees information in UI.

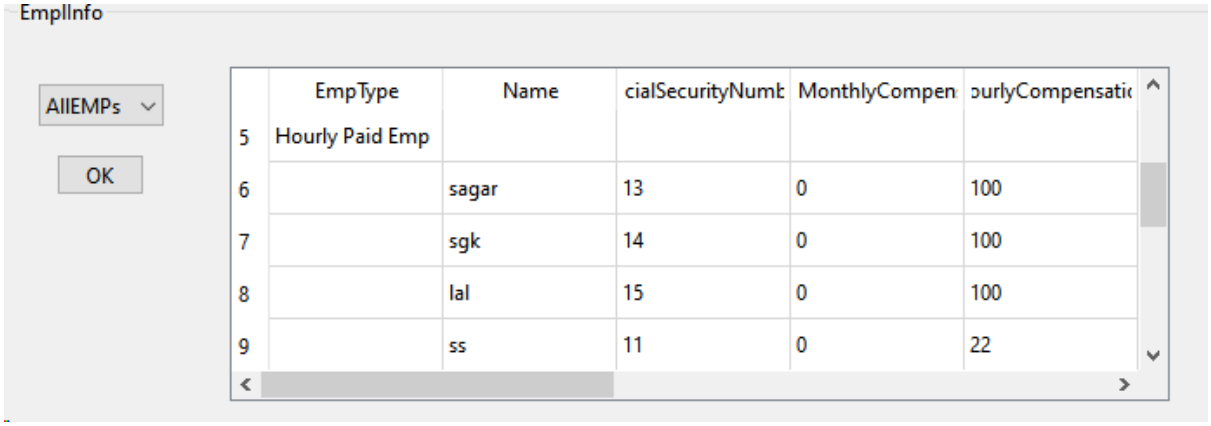
UI support two types of showing Employees information.

Either all the employees information on a single stretch or category/group based ie monthly employee/hourly paid employees/salesmen.

For printing all the employees' details, select employee type of **ALLEMPs**

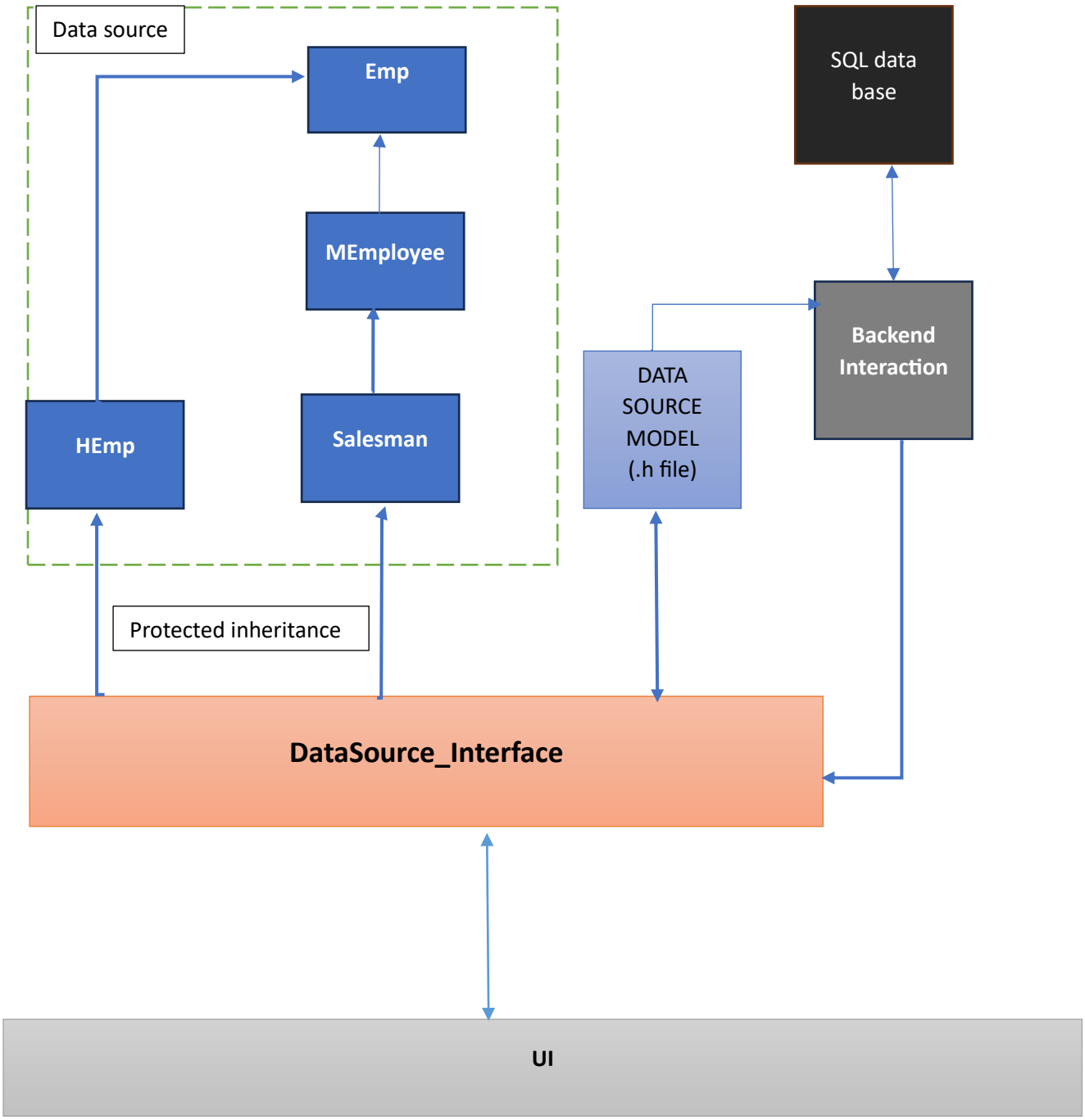


then click **Show** button. It will print the details on a table.



Wrapper/Helper(DataSource_Interface) class serve as middle layer in between UI, Data Source and backend operations.

Class High level diagram:



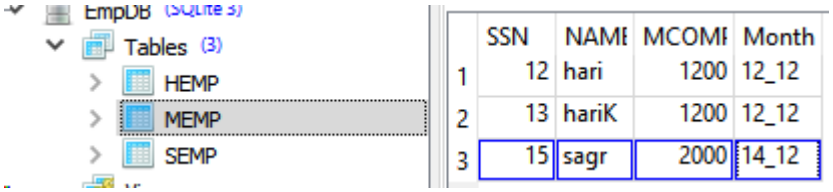
UI ,Datawrapper ,data source and backend interaction is lightly coupled.

Scope of SQL Database in this project:

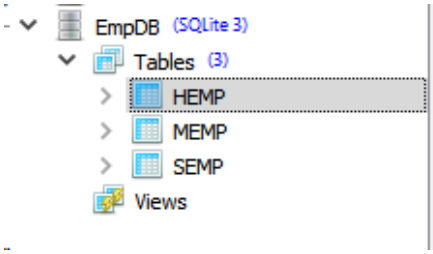
In the SQL,our database name is **EmpDB**.

Under EmpDB,we create 3 records for the employees:

- Monthly paying employee (**MEMP**)
- Hourly paying employee (**HEMP**)
- Salesmen(**SEMP**)



	SSN	NAME	MCOMP	Month
1	12	hari	1200	12_12
2	13	hariK	1200	12_12
3	15	sagr	2000	14_12



	SSN	NAME	HR COMP	HR DONE	NetSalary	Month
1	13	sagar	100	12	1200	12_12
2	14	sgk	100	12	1200	12_12
3	15	lal	100	12	1200	12_12
4	11	saketh	22	22	484	12_12

Qt modules used in this exercise:

- Qtcore
- QtSql
- QWidget