SW2 – Project Evaluation Form

- **Each team must submit the following Documentation that contains:**
  - **Project Description in detail.**
  - **Class Diagram. And Database Schema.**
- **Each team must submit the project via GitHub:**
  - **Source Code.**
  - **Video Demo for running (2 – 5 Minutes).**
  - **Documentation and Evaluation Form.**
- **The Evaluation will start with giving all teams 30 marks then check the following criteria:**

Violation Level	Full	Medium	Small	Grade
Documentation	-5	-2	-1	
Not Apply MVC (it does not Separate Business logic from GUI). Example of violation: write an implementation for a method such as an inset item into the database inside the Button Action method	-6	- 3	-1	
Violate clean code – Variables	-2	-1	-.05	
Violate clean code – Functions	-2	-1	-.05	
Violate Single-responsibility Principle	-2	-1	-.05	
Violate Open-closed Principle	-2	-1	-.05	
Violate the Liskov Substitution Principle	-2	-1	-.05	
Violate Interface Segregation Principle	-2	-1	-.05	
Violate Dependency Inversion Principle	-2	-1	-.05	
Not Upload code to GitHub	-1			
Only One Branch Without Merge (GitHub)	-2			
Only One Contribution (GitHub)	-2			
Total Minus from Grade				

Design Pattern Bounce	+4	
Bounce on Overall Work	+2	
Total Team Grade / 30		

Full violated –They violate the principle in all cases in the Code.
Medium Violated – They apply the principle in some cases and violate it in some cases (in total the student applies the principle on average).
Small violated – They Apply the principle in most cases except for a very few cases, no more than one or two.

Name (Arabic)	ID	Individual Bounce +2	Grade
ايمان محمد محمود	201900206		
شدى اشرف عبدالجواد	201900366		
باكينام حسام فاروق اسماعيل	201900217		
شيرين يحيى عبدالعزيز يحيى الجزار	201900375		
أميرة علاء الدين عبدالله عبدالخالق	201900182		
هند ياسر محمد سلامة	201900945		

Project description

This system is restaurant management system contains 4 modules (Administrative Module , Employee Module , Customer Module ,and User Module)…

In administrative Module Admin has username and password and can alter them ,manages Employees and Meals (Add, Delete, update, List, search), and makes special offers ;

In Employee Module Employee manages Customers (Add, Delete, update, List, search) , can make , cancel order ,and can manages Billing.

In Customer Module Customer can register at marketing .

And In User Module All Users can login and logout except customer, Users can Update their Information except ID.

Requirements

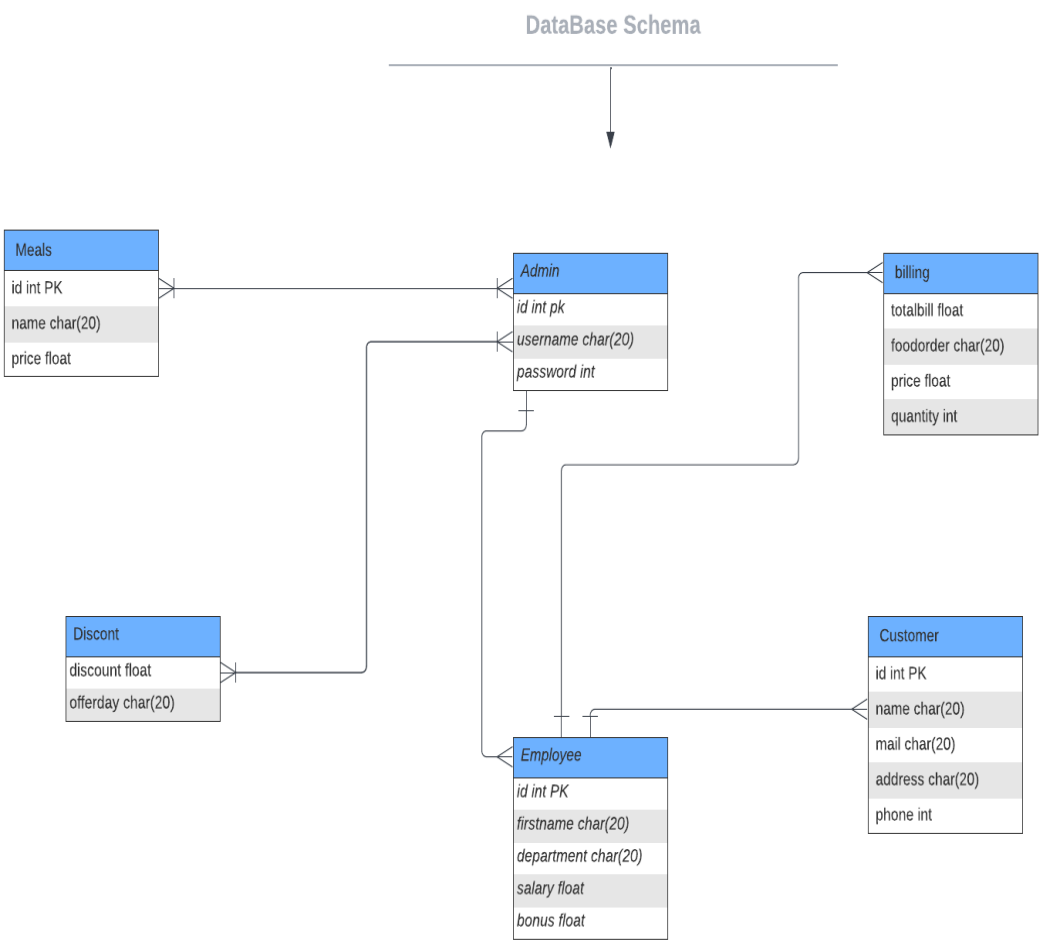
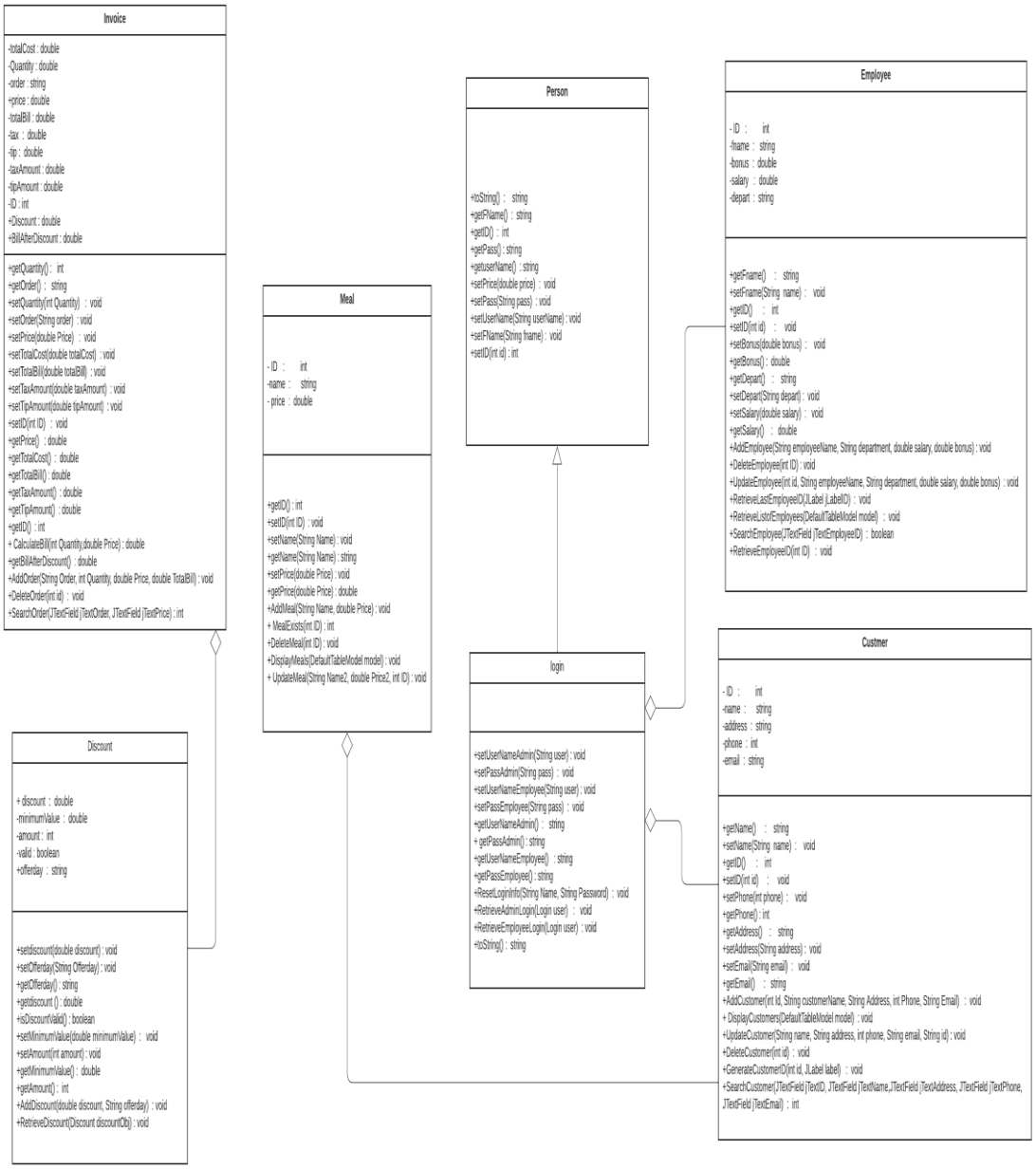
1- Functional Requirements :

Function	Function Requirement Description
Add	Admin can add employees and meals / employee can add customers and bills .
Delete	Admin can delete employees and meals / employee can delete customers and bills .
update	Admin can updates employees and meals / employee can updates customers and bills / users can update their information except ID.
Register	Customer can register at marketing, loyalty, and rewards programs.
List	Admin can display all employees and meals / employee can display all customers and bills.
Search	Admin can search about any employee and any meal / employee can search about any customer and any bill.
Make offer	Admin make special offers.
Login / Logout	All users can login and logout except customer.

2- Non_Functional Requirements :

Property	Measure
Usability	Usability is how easy is it for a customer and user to use the system? 1- Using simple interface. 2- Application does not require any technical knowledge and can be accessed by anyone . 3- The application shall provide a uniform look and feel between all the pages.
Security	1- Admin who has the right to access to data & functionality continuously. 2- No one can access to data except the admin by entering the password.
User Interfaces	The user interface shall be implemented using java . Achieved in the project by making it easy to use, does not require any technical skills.
Performance	Performance is how fast does the system return results? How much will this performance change with higher workloads? 1- The application dosen't dependent on internet connection so internet connection is not required. 2- The Performance is dependent on hardware components. 3- The system shall calculate a guest's bill in 2 seconds.

DataBase Schema



Class Diagram