Restaurants Management @IIT Indore

- RUCHIR AND UBAID

Introduction

- We as students face many problems and even outsiders many a times face some difficulties while choosing a restaurant at meal time in our campus. Out institute offers various degrees viz. BTech, MTech, PhD, MSc and there are different prices for students pursing different degrees. While choosing a restaurant, we do not know whether it is open or close and even if we know then menu and prices are unknown. Secondly many items of a restaurant do not become popular since they remain hidden from customers due to unawareness about them among the customers.

Introduction

- A pocket friendly person wants that he gets his desired food item in his budget which has nice ratings and reviews and is currently a trending item of that restaurant. There are about 10 restaurants which generally makes the customer confused in choosing a particular place to eat. Hence, we came up with an idea to integrate this information about restaurants in our campus which is very useful for all students, faculties, visitors and the shop owner themselves.

Restaurants@IIT Indore

- Café Zippy
- Dining Hall
- Jucilicious
- Shiru Café
- Tea Post
- Zoom Café
- Aladeens
- Taste Buds
- Bhopal Caterers

Newcomers and Visitors

- For newcomers, visitors and all the students @ IIITI, it will be a great boon which will help them decide .
- 1. What to eat?
- 2 .Where to eat?
- 3. When to eat?

Advantages of our Project: For Students

We can compare the prices from the restaurants nearby us for the same food item which we want to eat efficiently which has the minimum price.

Students will be able to view ratings of the food items of a restaurant and order their food wisely.

Our project gives a transparency of the menu of different eateries to the students that is it bridges the gap between menus and customers.

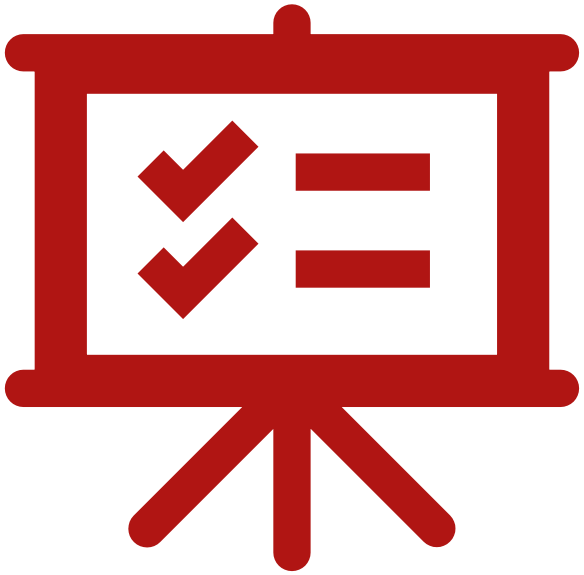
All those who order food in any restaurant can given feedback in form of ratings and reviews for the benefit of the future customers of that restaurant.

Each order is unique to a restaurant.

Each Restaurant has more than one contact no. So that students can contact the resaturants.

Advantages of our Project

- **<u>For shop owners:</u>**
- **They can-**
- **1)Edit the menu anytime:-**
- **a)add food items**
- **b)delete items**
- **c)modify prices**
- **2)Change restaurant timing**
- **a)they can switch their restaurant open/close through a manual process also in our software**
- **3)Manage/maintain a proper information (type/job)about the workers, chef, waiter, etc(their salary, their name, hired date)**
- **4)Manage the amount of food constituents available in their inventory. Here manage involves the amount present and constituents present. Moreover as soon as the quantity of any item reduces below a pre-set limit, it shows warning and gets added to the shopping list of Due Items.**



Disclaimer

We will keep a managerial section in this project which keeps a track of all out clients(shopowners) where the upcoming shopowners can joim the system through a login channel for which we maintain a login system.

Each food item has various food ingredients associated with it. So the amount of ingredients from the inventory gets reduced based on the number of orders of each food item ordered by each customer.

Customers will get a bill based on the food items ordered. Bill will be printed.

Based on these details, the entity sets and relationship sets that we formed are

Entity Sets

EMPLOYEE

RESTAURANT

FOOD ITEM

ORDER

ORDER DETAILS

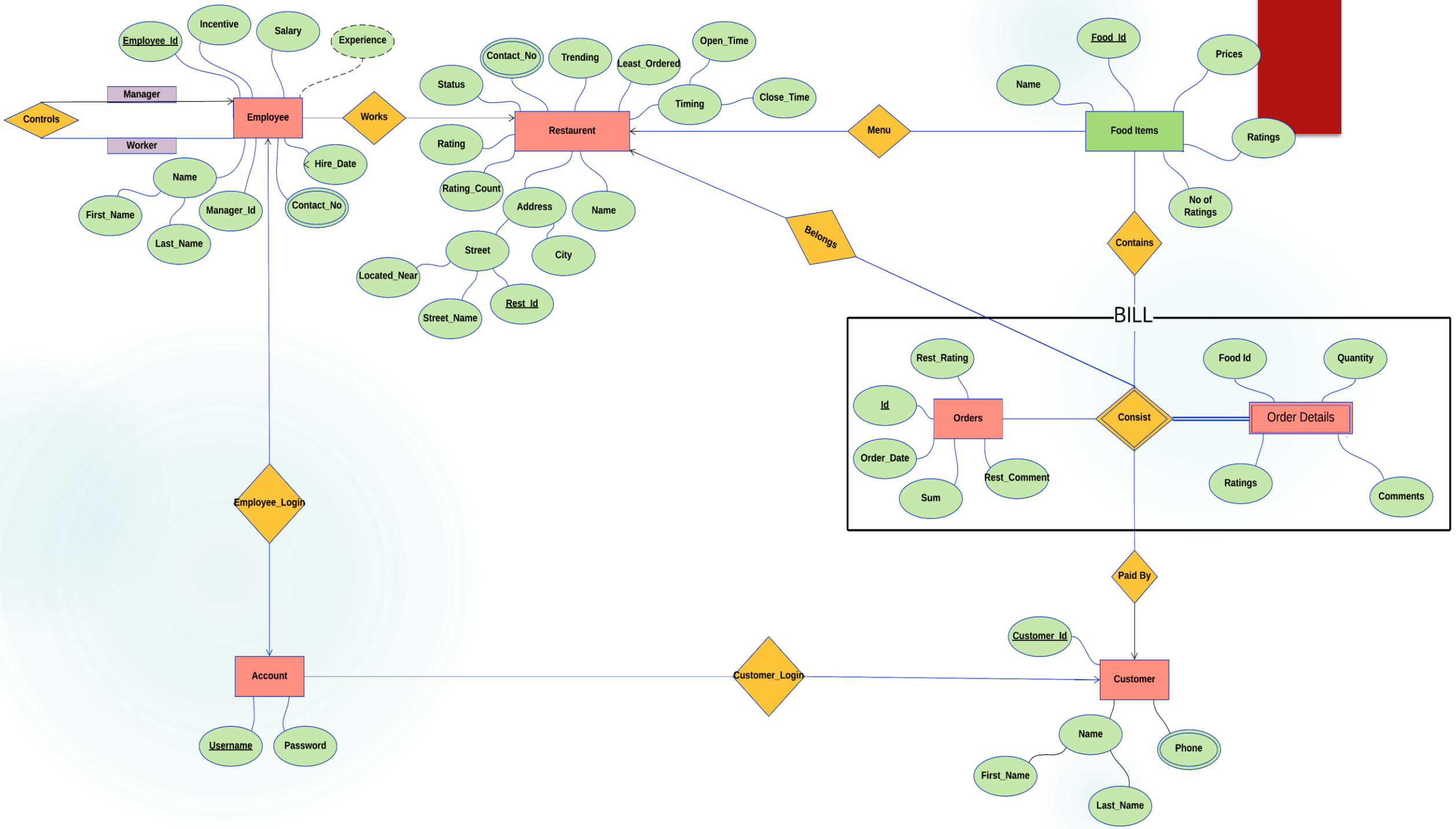
CUSTOMER

ACCOUNT

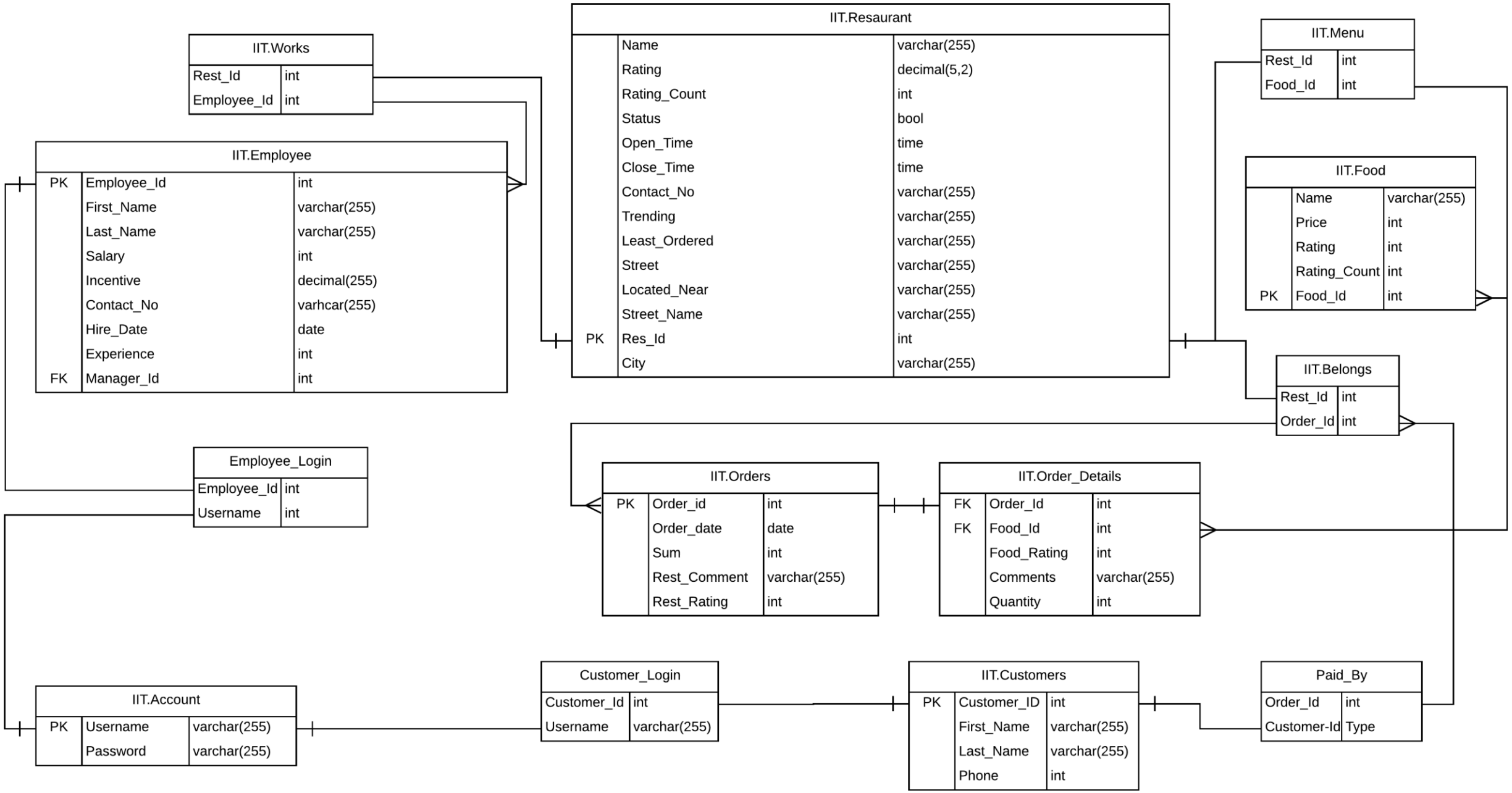
Relationship Sets

- Menu – Between Restaurant and Food Item (one to many)
- Controls – Recursive Relation on Employee Entity Set. A Manager controls its Workers (one to many)
- Works – Between Employee and Restaurant (many to one)
- Belongs – Between Bill and Restaurant (many to one)
- Contains – Between Bill and Food Items (many to many)
- Consists – Between Order and Order Details (one to many)
- Employee_Login – Between Manager and Account (one to one)
- Customer_Login – Between Customer and Account (one to one)
- Paid_By – Between Bill and Customer (many to one)

E-R Diagram


Employee_Id
Incentive
Salary
Experience
Manager
Controls
Employee
Works
Worker
Name
First_Name
Last_Name
Manager_Id
Hire_Date
Contact_No
Contact_No
Trending
Least_Ordered
Open_Time
Status
Timing
Close_Time
Rating
Restaurent
Rating_Count
Address
Name
Street
City
Located_Near
Rest_Id
Street_Name
Belongs
Menu
Food_Id
Prices
Name
Food Items
Ratings
No of Ratings
Contains
BILL
Rest_Rating
Id
Orders
Order_Date
Sum
Rest_Comment
Consist
Food Id
Quantity
Order Details
Ratings
Comments
Employee_Login
Paid By
Account
Username
Password
Customer_Login
Customer_Id
Customer
Name
First_Name
Last_Name
Phone

Tables Derived from E-R Diagram


IIT.Works
Rest_Id int
Employee_Id int
IIT.Resaurant
Name varchar(255)
Rating decimal(5,2)
Rating_Count int
Status bool
Open_Time time
Close_Time time
Contact_No varchar(255)
Trending varchar(255)
Least_Ordered varchar(255)
Street varchar(255)
Located_Near varchar(255)
Street_Name varchar(255)
PK Res_Id int
City varchar(255)
IIT.Menu
Rest_Id int
Food_Id int
IIT.Food
Name varchar(255)
Price int
Rating int
Rating_Count int
PK Food_Id int
IIT.Employee
PK Employee_Id int
First_Name varchar(255)
Last_Name varchar(255)
Salary int
Incentive decimal(255)
Contact_No varhcar(255)
Hire_Date date
Experience int
FK Manager_Id int
IIT.Belongs
Rest_Id int
Order_Id int
Employee_Login
Employee_Id int
Username int
IIT.Orders
PK Order_id int
Order_date date
Sum int
Rest_Comment varchar(255)
Rest_Rating int
IIT.Order_Details
FK Order_Id int
FK Food_Id int
Food_Rating int
Comments varchar(255)
Quantity int
IIT.Account
PK Username varchar(255)
Password varchar(255)
Customer_Login
Customer_Id int
Username varchar(255)
IIT.Customers
PK Customer_ID int
First_Name varchar(255)
Last_Name varchar(255)
Phone int
Paid_By
Order_Id int
Customer-Id Type

Thank You