Project report

on

Restaurant management System.

Submitted by:

moh Ehsan Yaqoob……………………21-arid-617

Faizan Nabi ………………………………21-arid-568

Ammad Arshad………………………….21-arid-549

CERTIFICATE

Certified that this is a bonafide record of the project work titled

Restaurant management

System.

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Faizan Nabi ………………………………21-arid-568

Ammad Arshad…………………………..21-arid-549

 of 2 semester BCSC in the year 2022 in partial fulfillment of the requirements for the award of Degree of Bachelor of science in computer science.

Sadia Zar

Project guide

ACKNOWLEDGEMENT

We take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. We extend our sincere and heartfelt thanks to our esteemed guide, Sadia ZAR, for providing us with the right guidance and advice at the crucial junctures and for showing me the right way. We also take this opportunity to express a deep sense of gratitude to HOD . We would like to thank our friends and family for the support and encouragement they have given us during the course of our work.

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Abstract:

Abstract:

Restaurant management system is a system which maintains the information about the customer present in the restaurant, their orders, the members of restaurant to whom orders are being served, restaurant staff and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task. Owing to the advancement of technology, organization of and restaurant management system becomes much simple. The restaurant Management has been designed to computerize and automate the operations performed over the information about the customer, their orders and returns and all other operations. This computerization of restaurant helps in many instances of its maintenances. It reduces the workload of management as most of the manual work done is reduced.

CHAPTER 1

INTRODUCTION

1. PROJECT AIMS AND OBJECTIVES

the aims and objectives of this project are as follow:
- ➤ **Availability of tables to a customers**
- ➤ **helps the restaurant manager to manage the restaurant more effectively and efficiently by computerizing meal ordering, billing and inventory control**.
- ➤ **providing a satisfying customer experience that includes enjoyable food**

1.2 Background of project

Restaurant Management System is Database project which refers to restaurant systems which are generally small or medium in size. It is used by restaurant staff to manage the restaurant using a computerized system where he/she can add customers, items and new menu and

menu sources. Customer and staff maintenance modules are also included in this system which would keep track of the customers using the restaurant and also a detailed description about the restaurant a restaurant contains. With this computerized system there will be no loss of customer record or member record which generally happens when a non computerized system is used.

Chapter 2

System Analysis

PRODUCT DESCRIPTION:

Restaurant Management System is a computerized system which helps user(restaurant staff) to manage the restaurant daily activity in electronic format.

It reduces the risk of paper work such as file lost, file damaged and time consuming. It can help user to manage the transaction or record more effectively and timesaving.

PROBLEM STATEMENT:

The problem occurred before having computerized system includes:

- File lost

When computerized system is not implemented file is always lost because of human environment.Some times due to some human error there may be a loss of records.

- File damaged

When a computerized system is not there file is always lost due to some accident like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

- Difficult to search record

When there is no computerized system there is always a difficulty in searching of records if the records are large in number .

• Space consuming After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.

• Cost consuming As there is no computerized system the to add each record paper will be needed which will increase the cost for the management of library.

SYSTEM OBJECTIVES

• Improvement in control and performance The system is developed to cope up with the current issues and problems of Restaurant .The system can add user, validate user and is also bug free.

• Save cost After computerized system is implemented less human force will be required to maintain the restaurant thus reducing the overall cost.

• Save time of employees is able to search record by using few clicks of mouse and few search keywords thus saving his valuable time.

SOFTWARE TOOLS USED

MYSQL- MySQL("My S-Q-L", officially, but also called "My Sequel") is (as ofJuly 2013) the world's second most widely used open-source relational database management system (RDBMS).

 It is named after co-founder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements.

MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation .MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks).

LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL.

For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases include: TYPO3, MODx, Joomla, WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

CHAPTER 3

SYSTEM DESIGN

TABLE DESIGN

Almost 10+ tables to maintain information:

Various tables to maintain information

➢complete database of restaurant.

➢Owner table

➢Restaurant table

➢Cashier table

➢ Cook table

➢ Customer table

Manager table

Menu table

Supplier table

➢ Table of tables

➢ Waiter table

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: [Search this table] | Sort by key: None

Extra options

| ←T→				Waiter_Id	Fname	Lname	Contact	Address	Salary	Sex	Bdate	Join_Date
☐	✎ Edit	⚙ Copy	⊘ Delete	1	Raza	Sohail	123456	E-22 OBH , IIIT Hyderabad	8000	M	1993-10-12	2012-08-01
☐	✎ Edit	⚙ Copy	⊘ Delete	2	ehsan	Ali	132244	E-28 OBH , IIIT Hyderabad	8000	M	1992-12-22	2012-08-01
☐	✎ Edit	⚙ Copy	⊘ Delete	3	Wajid	Noor	213122	E-27 OBH , IIIT Hyderabad	8000	M	1993-05-12	2012-08-01
☐	✎ Edit	⚙ Copy	⊘ Delete	4	Bilal	jhon	121232	E-26 OBH , IIIT Hyderabad	8000	M	1992-03-12	2012-08-01
☐	✎ Edit	⚙ Copy	⊘ Delete	5	MAria	Fazal	213122	Hollywood USA	9000	F	1986-10-13	2012-08-01
☐	✎ Edit	⚙ Copy	⊘ Delete	6	Sunny	Mian	323322	Bollywood INDIA	9000	F	1982-10-13	2012-08-01

↑ ☐ Check all   With selected: ✎ Edit ⚙ Copy ⊘ Delete ⎙ Export

Sidebar:
- New
- bill
- booking
- cashier
- cook
- customer
- delivery_boy
- delivery_boy_2
- home_delivery
- ingredient
- manager
- menu
- menu_bill
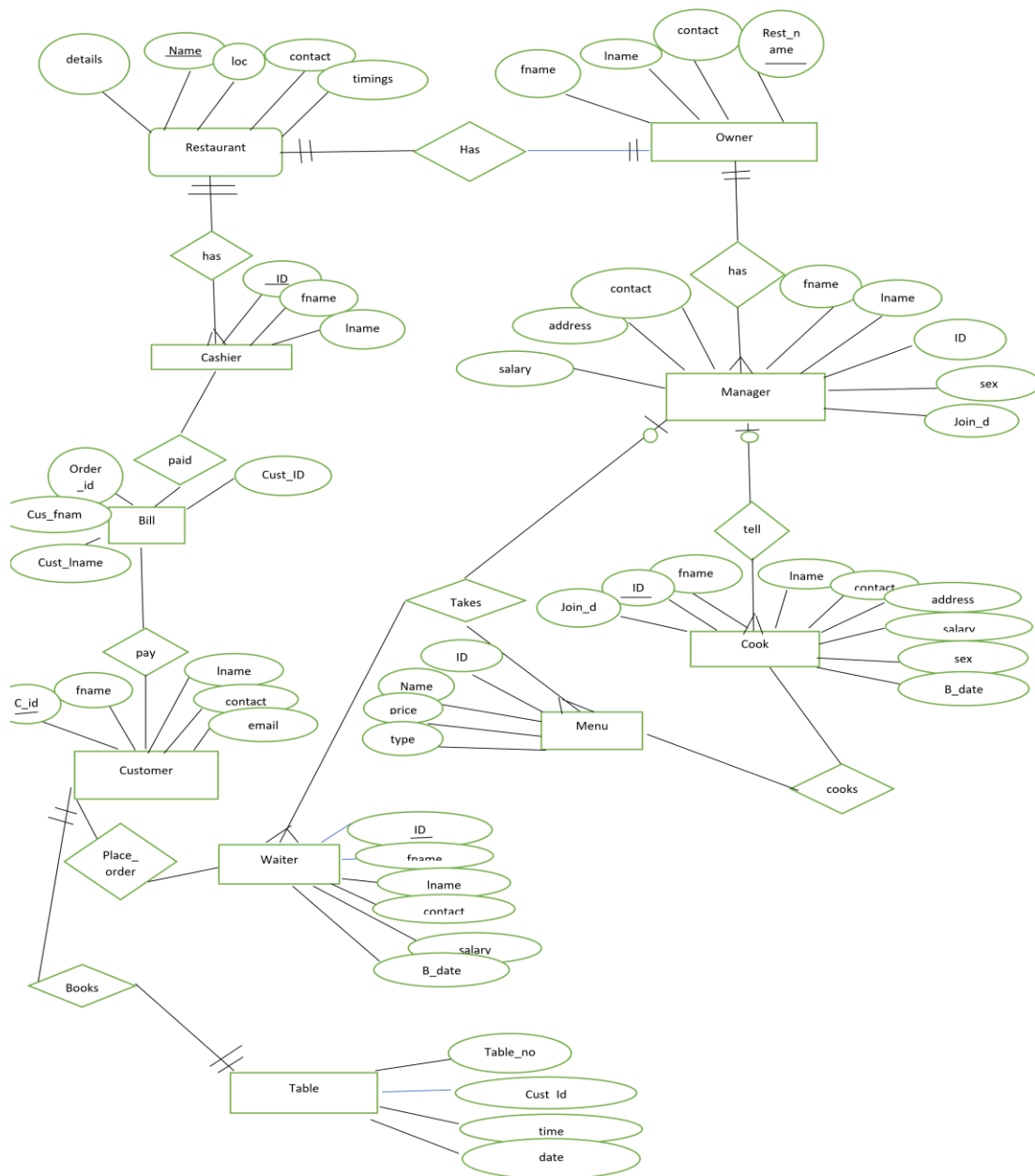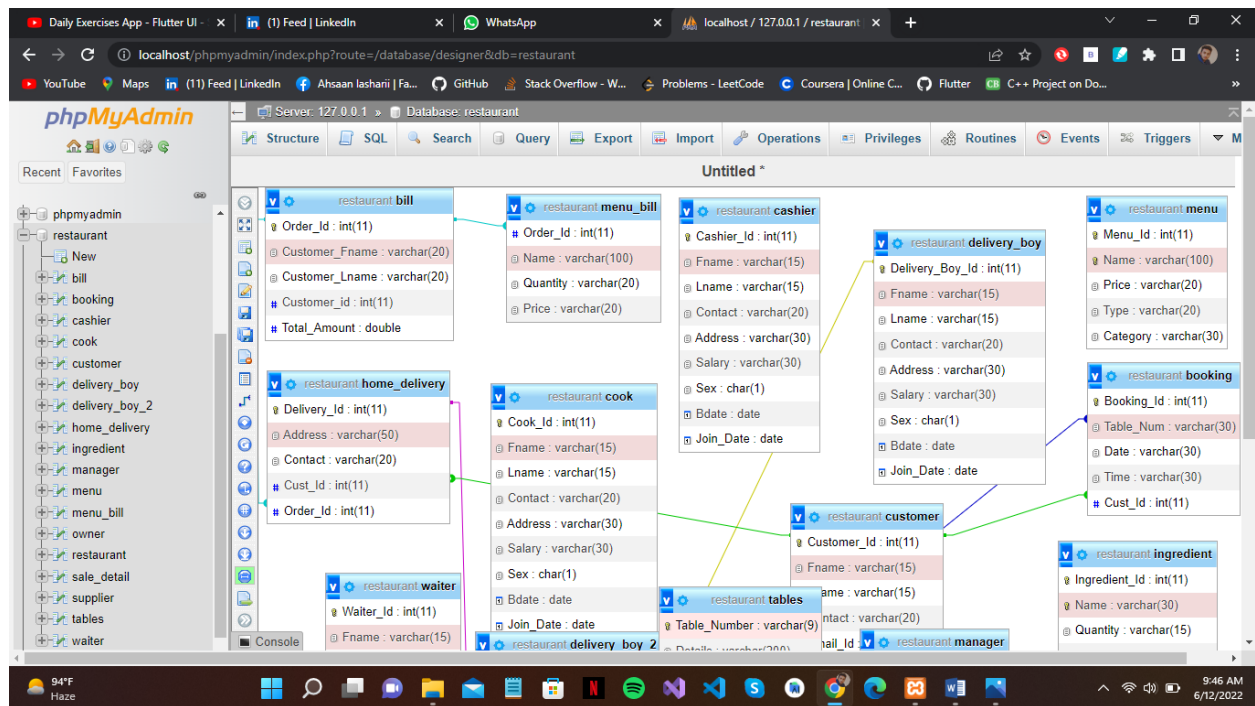- owner
- restaurant
- sale_detail
- supplier

erd of this project

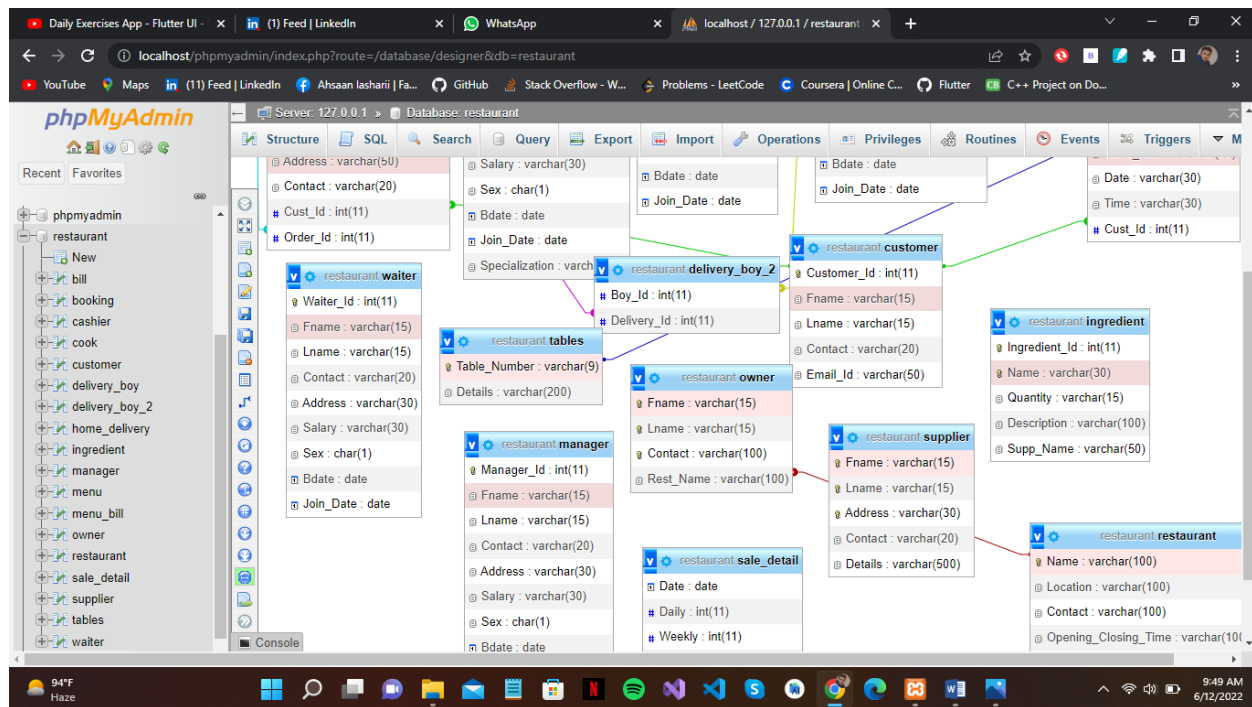# Designer view of database

Conclusion:

This database provides a computerized version of Restaurant management system which will benefit the customers as well as the staff of the restaurant . It makes entire process easy and flexible where customer can orders food , staff can generate reports and do booking tables for specific customer, ids.

There is a future scope of this facility that many more features such as online video tutorials can be added by manager as well as online ,Suggestion.

This restaurant database project is friendly and which fulfills each users need in the best way possible.

Reference

https://www.w3schools.com/sql/default.asp

https://www.udemy.com

https://www.w3resource.com/sql-exercises