

Project report
on
Restaurant management
System.

Submitted by:

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CERTIFICATE

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

***Restaurant management
System.***

Done By:

moh Ehsan Yaqoob.....21-arid-617

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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.

Abstract:

1:Introduction

2:System analysis

3:System design

4:Conclusion&future scope

5:References

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.

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 of July 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

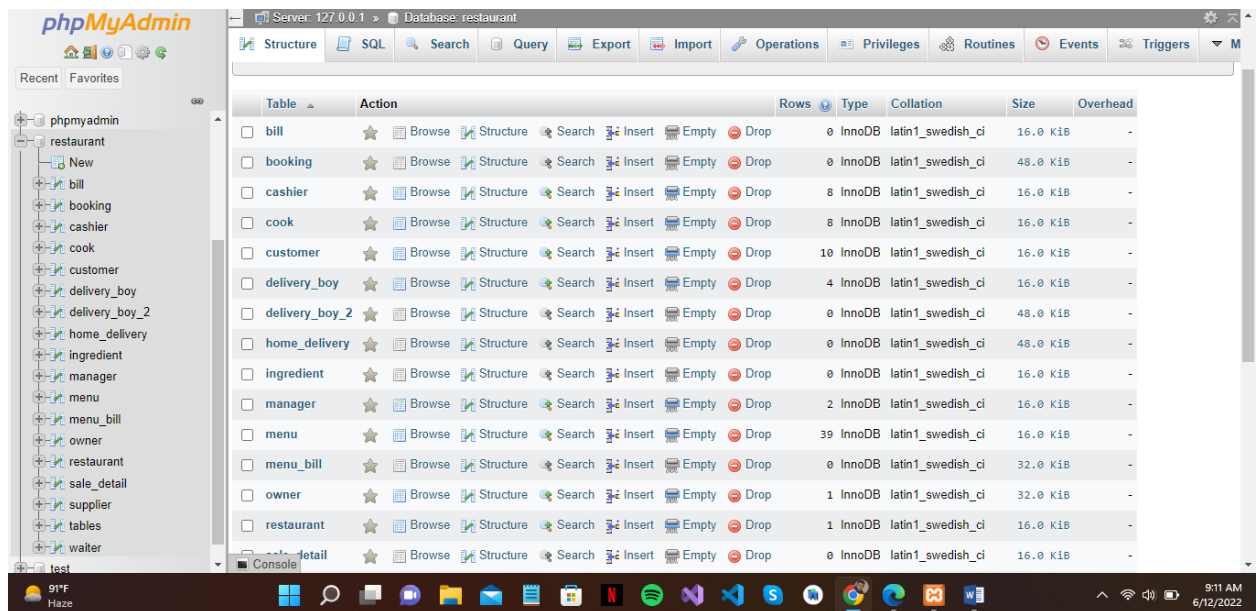
SYSTEM DESIGN

TABLE DESIGN

Almost 10+ tables to maintain information:

Various tables to maintain information

➤ complete database of restaurant.



➤ Owner table

Fname	Lname	Contact	Rest_Name
ehsan	Yaqoob	9999999999	Tandoori By Nature

➤ Restaurant table

Name	Location	Contact	Opening_Closing_Time	Details
Tandoori By Nature	G11 Markaz/ Islamabad Pakistan	09642540626/09581871321	10:00 AM - 12:00 AM	None

➤ Cashier table

booking

cashier

cook

customer

delivery_boy

delivery_boy_2

home_delivery

ingredient

manager

menu

menu_bill

owner

restaurant

sale_detail

supplier

tables

waiter

not

☐

Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None

Extra options

←

→

Cashier_Id

Fname

Lname

Contact

Address

Salary

Sex

Bdate

Join_Date

☐

Edit

Copy

Delete

1

Abdullah

Shiekh

124142

E-19 OBH , IIIT Hyderabad

12000

M

1993-11-30

2012-08-01

☐

Edit

Copy

Delete

2

Sohail

Goga

113332

E-24 OBH , IIIT Hyderabad

12000

M

1993-02-21

2012-08-01

☐

Edit

Copy

Delete

3

Akbar

Choudry

122121

E-25 OBH , IIIT Hyderabad

12000

M

1992-07-21

2012-08-01

☐

Edit

Copy

Delete

4

Talha

Goga

443332

E-24 OBH , IIIT Hyderabad

13000

M

1997-02-21

2012-08-01

☐

Edit

Copy

Delete

5

Aslam

Choudry

223332

E-24 OBH , IIIT Hyderabad

12000

M

1999-03-21

2012-08-01

☐

Edit

Copy

Delete

6

Ali

Sahib

227732

E-24 OBH , IIIT Hyderabad

12000

M

1990-03-21

2012-08-01

☐

Edit

Copy

Delete

7

Aslam

Ilyas

223332

E-24 OBH , IIIT Hyderabad

12000

M

1998-01-21

2012-08-01

☐

Edit

Copy

Delete

8

SAhil

Mian

118832

E-24 OBH , IIIT Hyderabad

12000

M

1998-02-21

2012-08-01

➤ Cook table

restaurant

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

SELECT * FROM `cook`

☐ 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

				Cook_Id	Fname	Lname	Contact	Address	Salary	Sex	Bdate	Join_Date	Specialization
<input type="checkbox"/>	Edit	Copy	Delete	1	Bilal	Jindal	123211	E-18 OBH , IIIT Hyderabad	15000	M	1992-08-02	2012-08-01	Maggi
<input type="checkbox"/>	Edit	Copy	Delete	2	Umair	Singh	231312	E-19 OBH , IIIT Hyderabad	15000	M	1992-10-12	2012-08-01	Samosa
<input type="checkbox"/>	Edit	Copy	Delete	3	Danish	Ali	874594	E-18 OBH , IIIT Hyderabad	15000	M	1992-03-14	2012-08-01	Omlette
<input type="checkbox"/>	Edit	Copy	Delete	4	Sahil	Sonu	587654	E-26 OBH , IIIT Hyderabad	15000	M	1992-01-01	2012-08-01	Bonda
<input type="checkbox"/>	Edit	Copy	Delete	5	HAma	Akmal	142355	E-24 OBH , IIIT Hyderabad	15000	M	1992-02-22	2012-08-01	Jalebi
<input type="checkbox"/>	Edit	Copy	Delete	6	Hmaza	Raza	222355	E-24 OBH , IIIT Hyderabad	15000	M	1992-02-22	2012-08-01	Jalebi
<input type="checkbox"/>	Edit	Copy	Delete	7	HAma	Mughal	342355	E-24 OBH , IIIT Hyderabad	15000	M	1992-02-22	2012-08-01	Jalebi
<input type="checkbox"/>	Edit	Copy	Delete	8	Nadia	Rao	897933	HOLLYWOOD USA	15000	F	1980-01-02	2012-08-01	None

➤ Customer 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

	Customer_Id	Fname	Lname	Contact	Email_Id
<input type="checkbox"/> Edit Copy Delete	1	Mudassir	Saleem	938912	mudassirsaleem@students.iit.ac.in
<input type="checkbox"/> Edit Copy Delete	2	Yash	Shah	289374	yashshah@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	3	Dawood	Saii	234322	dawoodsaii@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	4	Adil	Sheikh	778989	aditya.sharma@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	5	Adeel	Shah	364932	adeelshah@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	6	Bilal	ikram	3234277	bialikram@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	7	Talha	islam	347534	talha@studentsgmail.com
<input type="checkbox"/> Edit Copy Delete	8	Mudassir	Saleem	938912	mudassirsaleem@students.iit.ac.in
<input type="checkbox"/> Edit Copy Delete	9	Yash	Shah	289374	yashshah@studentsgmail.com

Console

➤ Manager table

Extra options

	Manager_Id	Fname	Lname	Contact	Address	Salary	Sex	Bdate	Join_Date
<input type="checkbox"/> Edit Copy Delete	1	Faizan	Jellani	9642540626	E-28 OBH , IIIT Hyderabad	30000	M	1992-09-29	2012-08-01
<input type="checkbox"/> Edit Copy Delete	2	Ali	Gora	9581871321	E-27 OBH , IIIT Hyderabad	30000	M	1993-11-18	2012-08-01

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

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

Query results operations

➤ Menu table

Recent | Favorites

	Menu_Id	Name	Price	Type	Category
<input type="checkbox"/> Edit Copy Delete	1	Vegetable Pakora	3.00	Veg	Starters
<input type="checkbox"/> Edit Copy Delete	2	Vegetable Samosa	3.00	Veg	Starters
<input type="checkbox"/> Edit Copy Delete	3	Onion Bhaji	3.00	Veg	Starters
<input type="checkbox"/> Edit Copy Delete	4	Potato and Mushroom Chaat	3.00	Veg	Starters
<input type="checkbox"/> Edit Copy Delete	5	Mushroom Garlic Fry	3.00	Veg	Starters
<input type="checkbox"/> Edit Copy Delete	6	Chicken Tikka	4.00	Non-Veg	Starters
<input type="checkbox"/> Edit Copy Delete	7	Tandoori Chicken	4.00	Non-Veg	Starters
<input type="checkbox"/> Edit Copy Delete	8	Chicken Garlic Fry	4.00	Non-Veg	Starters
<input type="checkbox"/> Edit Copy Delete	9	Chicken Tikka on Puree	4.00	Non-Veg	Starters
<input type="checkbox"/> Edit Copy Delete	10	Lamb Tikka	4.00	Non-Veg	Starters
<input type="checkbox"/> Edit Copy Delete	11	Tandoori King Prawn	6.95	Non-Veg	SeaFood
<input type="checkbox"/> Edit Copy Delete	12	King Prawn Rosun	5.95	Non-Veg	SeaFood
<input type="checkbox"/> Edit Copy Delete	13	King Prawn on Puree	5.95	Non-Veg	SeaFood
<input type="checkbox"/> Edit Copy Delete	14	Prawn Bhuna on Puree	3.95	Non-Veg	SeaFood
<input type="checkbox"/> Edit Copy Delete	15	Prawn Cocktail	3.95	Non-Veg	SeaFood

➤ Supplier table

	Fname	Lname	Address	Contact	Details
<input type="checkbox"/> Edit Copy Delete	Aneeb	Gogaa	E-15 OBH , IIIT Hyderabad	678668	Provides Sea Food.
<input type="checkbox"/> Edit Copy Delete	Muna	Mian	E-16 OBH , IIIT Hyderabad	856855	Provides Grocery.
<input type="checkbox"/> Edit Copy Delete	Waleed	Islam	E-121 OBH , IIIT Hyderabad	123211	Provides Non-Veg Stuff.

➤ Table of tables

	Table_Number	Details
<input type="checkbox"/> Edit Copy Delete	1	Capacity 4 People
<input type="checkbox"/> Edit Copy Delete	10	Capacity 8 People Family Table
<input type="checkbox"/> Edit Copy Delete	11	Capacity 8 People Family Table
<input type="checkbox"/> Edit Copy Delete	2	Capacity 4 People Near Window
<input type="checkbox"/> Edit Copy Delete	3	Capacity 3 People
<input type="checkbox"/> Edit Copy Delete	4	Capacity 2 People
<input type="checkbox"/> Edit Copy Delete	5	Capacity 8 People Family Table
<input type="checkbox"/> Edit Copy Delete	6	Capacity 4 People
<input type="checkbox"/> Edit Copy Delete	7	Capacity 4 People Near Window
<input type="checkbox"/> Edit Copy Delete	8	Capacity 3 People
<input type="checkbox"/> Edit Copy Delete	9	Capacity 2 People

➤ Waiter table

view

bill

booking

cashier

cook

customer

delivery_boy

delivery_boy_2

home_delivery

ingredient

manager

menu

menu_bill

owner

restaurant

sale_detail

supplier

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

←


→


	Waiter_Id	Fname	Lname	Contact	Address	Salary	Sex	Bdate	Join_Date
<input type="checkbox"/>   	1	Raza	Sohail	123456	E-22 OBH , IIIT Hyderabad	8000	M	1993-10-12	2012-08-01
<input type="checkbox"/>   	2	ehsan	Ali	132244	E-28 OBH , IIIT Hyderabad	8000	M	1992-12-22	2012-08-01
<input type="checkbox"/>   	3	Wajid	Noor	213122	E-27 OBH , IIIT Hyderabad	8000	M	1993-05-12	2012-08-01
<input type="checkbox"/>   	4	Bilal	jhon	121232	E-26 OBH , IIIT Hyderabad	8000	M	1992-03-12	2012-08-01
<input type="checkbox"/>   	5	MARia	Fazal	213122	Hollywood USA	9000	F	1986-10-13	2012-08-01
<input type="checkbox"/>   	6	Sunny	Mian	323322	Bollywood INDIA	9000	F	1982-10-13	2012-08-01


↑


☐ Check all

With selected:

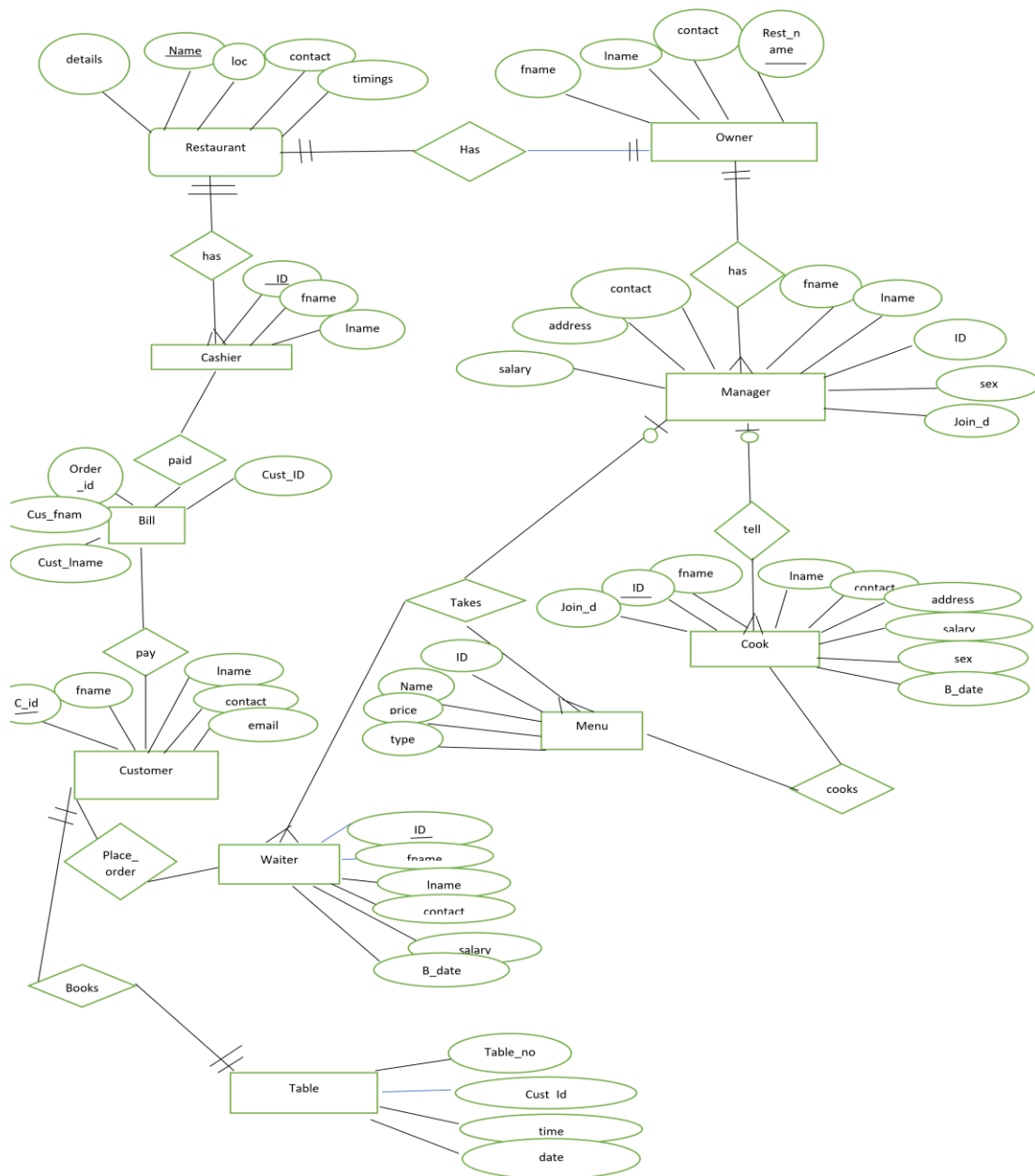
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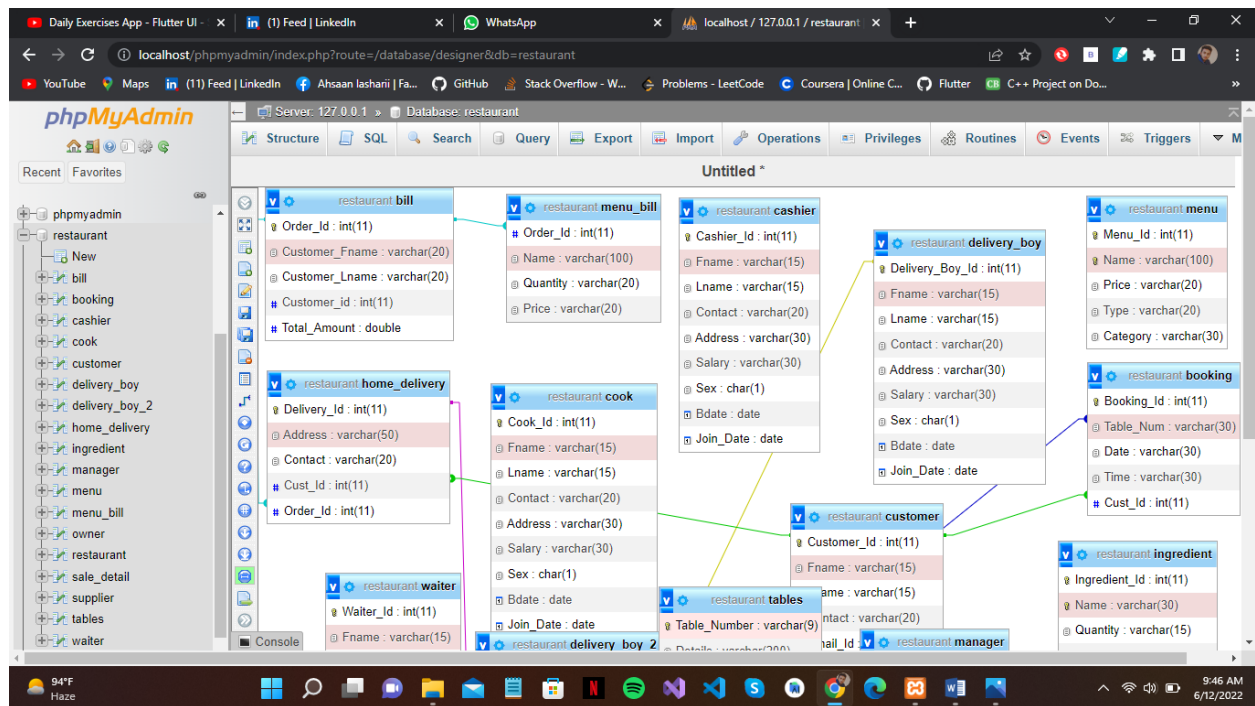
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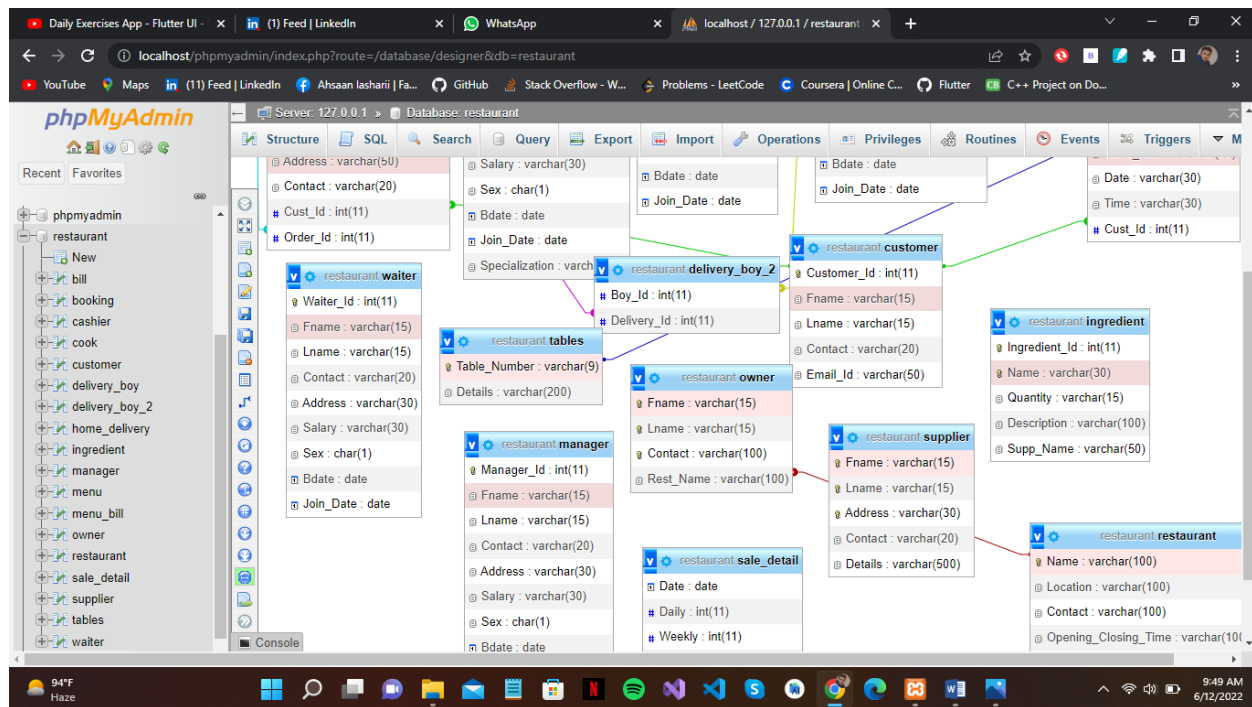
 Delete

 Export

erd of this project







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>