MARYGIRI PUBLIC SCHOOL

KOOTHATTUKULAM

ERNAKULAM DIST

RECORD OF AISSCE PRACTICAL WORK

COMPUTER SCIENCE

2020 - 2021

Name: .....

Register Number: .....

MARYGIRI PUBLIC SCHOOL

KOOTHATTUKULAM

ERNAKULAM DIST

COMPUTER SCIENCE-AISSCE

2020 – 2021

Register Number : .....

Certified that this is a bonafide record of project work done by ……..…..

at MARYGIRI PUBLIC SCHOOL, KOOTHATTUKULAM during the year 2020-21.

Submitting for the practical Examination held on ……. at MARYGIRI PUBLIC SCHOOL, KOOTHATTUKULAM.

Teacher In charge **Principal** **Examiner**

School Seal

Acknowledgement

A right type of guidance, given in a sincere, selfless manner, is the highest service, a man renders to his fellow beings. Hence I wish to express my deep and equally great indebtedness for those individuals for their constant help, support and co-operation they have extended to me to do this seminar. It is hard to scribble down the names of all those who have helped me to complete this work of mine. But I will be failing in my duty if I do not mention, as a bare minimum, the names of all those good people around without whose help this work would have remained as an unfulfilled dream.

First and foremost I wish to express my eternal gratitude and a sincere prayer to GOD, The Almighty who's Divine Grace has given me confidence, strength and courage for successfully completing this piece of work.

I would like to express my gratitude to our Principal Rev.Fr. Mathew Kareethara CMI and the school management, for their whole hearted support and for providing me with great infrastructure necessary for the development of this application.

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Above all, I am greatly indebted to each and every one who even by the smallest thought or word has helped me during my work. This journey would have been impossible without each and every one of them. Thanks to all.

ABSTRACT

This program has been executed through python programming language to develop android application for restaurant ordering system and provides facility to update the menu. The system is implemented to reduce the manual work and enhances the accuracy of work in a restaurant. This system manages and maintains the record of customers and their order online. This has been made in a user-friendly interface. The customer places an order with the help of the displayed menu card in the ordering module and then the bill is paid at the time of food delivery. This system entirely reduces the unnecessary time. Every order is associated with an individual seat at the table, and orders are built one customer at a time, just like on paper, but with greater accuracy and the cost can be calculated in real time.

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1. INTRODUCTION

It is known globally that, in today's market, it is extremely difficult to start a new small-scale business and live-through the competition from the well-established and settled owners. In fast paced time of today, when everyone is squeezed for time, the majority of people are finicky when it comes to placing a food order. The customers of today are not only attracted because placing an order online is very convenient but also because they have visibility into the items offered, price and extremely simplified navigation for the order.

FOOD ORDERING SYSTEM that I am proposing here provides additional information about menu items and drinks than a traditional paper menu. The simplicity and ease of access of a menu are the main things that facilitate ordering food in a restaurant. Using our program, the service goes quicker. With this electronic menu, orders can be taken correctly the first time. There is no need to run back and forth to a distant terminal, because the terminal is always with the server. Every order is associated with an individual who is a registered member in the program and orders are built on by the customers at a time, just like on paper, but with greater accuracy. Items can also be modified, and noted and cost can be calculated in real time. It makes it easier for the customer to build his/her order and also view the most popular dishes.

Being computer science students of standard 12, we are more than proud to say that this program was designed using basic PYTHON. PYTHON being our study material, it has always been a pleasure to make programs and enhance our skills in programming. I have done the maximum to make the program efficient and I hope it will be a better way to improve the business of hotels and restaurants.

EXISTING SYSTEM OF RESTAURANT

The current system is paper based. Papers are used in restaurants for displaying the traditional menu cards, writing down the orders of customers, storing the records of customers. The disadvantages of paper-based system are that papers can get easily damaged by stain marks; they can be lost due to fire or accidents or can get lost in general. Hence, time and money are wasted. As traditional menu cards are paper based, any changes that need to be made in the menu will require reprinting of the entire menu card, leading to wastage. For small changes, reprinting the entire menu card is impossible. Changes in the menu card cannot be made dynamically. It is inefficient to access a particular record from the stack of papers. This system is time consuming. One has to call a waiter number of times till he notices it, and wait for him to arrive at their table to take their order. Also, the waiter can misinterpret the customer's order since he is writing the order on paper, and the case of serving a wrong dish is possible.

For placing any orders customers have to visit hotels or restaurants to know about food items and then place order and pay. In this method time and manual work is required. While placing an order over the phone, customer lacks the physical copy of the menu item, lack of visual confirmation that the order was placed correctly. Every restaurant needs certain employees to take the order over phone or in-person, to offer a rich dining experience and process the payment. In today's market, labour rates are increasing day by day making it difficult to find employees when needed.

2. METHODOLOGY

PYTHON PROGRAMMING LANGUAGE

Python is an interpreted, high-level, general-purpose programming language and was developed by Guido Van Rossum and was first released in 1991. Its design philosophy emphasizes code readability with its notable use of significant white space.

Its language constructs and object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.
Python is dynamically typed and it supports multiple programming paradigms, including structural, object-oriented and functional programming. Python is often described as “batteries included” language due to its comprehensive library.

DATA HANDLING USING MYSQL

MySQL is an open-source relational database management system and works on Client/Server architecture.

CREATE - It is the command used to create a database or table in MySQL.

INSERT INTO - The command used to insert a new record/row/tuple in a table.

UPDATE - Specifies the rows to be modified along with new data.

The users’ data is stored in a pre-created table (score) in a database in MySQL which is accessed by importing MySQL connector.
MySQL statements are executed within the program itself through the cursor method.

3. IMPLEMENTATION REQUIREMENTS

HARDWARE REQUIREMENTS

Processor: intel core i5

RAM: 4 Gigabytes

Hard Disk: 1 TB

Display: 14’’ Colour monitor

Keyboard: Standard 104 keys

SOFTWARE REQUIREMENTS

Operating System: Windows 7 or higher.

Compiler: IDLE (Python 3.9 64-bit)

4. CODING

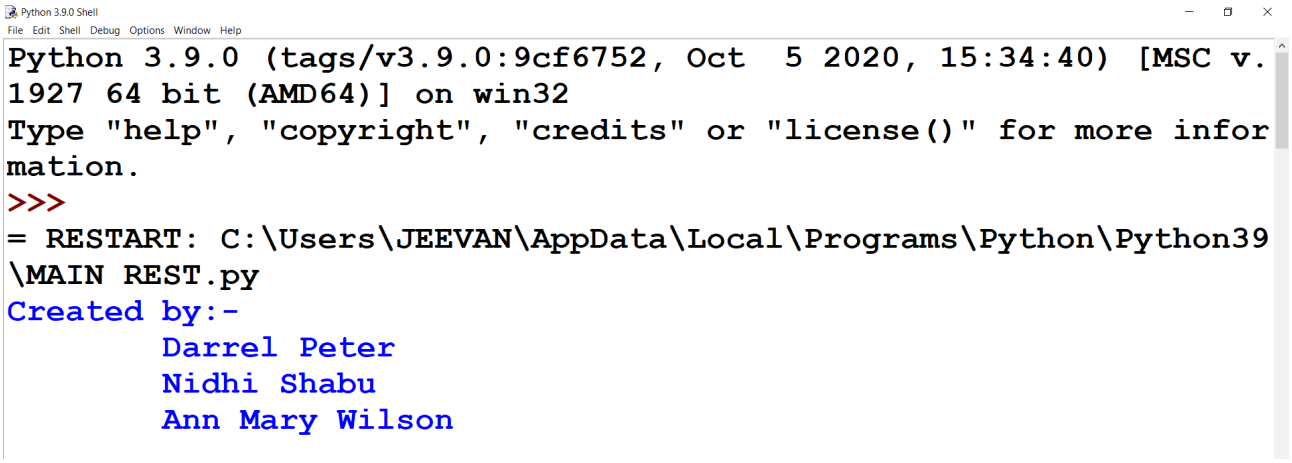
```
print("Created by:-\n \tDarrel Peter\n \tNidhi Shabu\n \tAnn Mary Wilson")


def main():
    print("\nHELLO DEAR CUSTOMER \nWELCOME TO ONLINE FOOD ORDERING SYSTEM")
    user_id=int(input("\nEnter your id:"))
    import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",passwd="root123",database="restaurant")
    cursor=db.cursor()
    cursor.execute("select*from user where usid="+str(user_id)+";")
    if cursor.rowcount==0:
        print("User doesn't exist")
        print("Go to New Registration")
    else:
        print("Identified")
        print("Proceed to place order")
    ch="y"
    while ch=="y":
        print("\n1. PLACE ORDER")
        print("2. NEW REGISTERATION")
        print("3. MODIFY USER")
        print("4. EXIT")
        c=input("Enter your choice:")
        if c=="1":
            order()
        elif c=="2":
            register()
```

```
        elif c=="3":
            modify()
        elif c=="4":
            print("Exiting...")
            break
        else:
            print("WRONG CHOICE")
        ch=input("\nDo you want to continue(y/n): ")



def order():
    import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",passwd="ro
ot123",database="restaurant")
    cursor=db.cursor()
    cursor.execute("select*from menu")
    results=cursor.fetchall()
    print("\nToday's special")
    for i in results:
        print(i)
    d=dict()
    n=input("Enter your name:")
    itno=input("enter your item number:")
    d[n]=itno
    print(d)
    print("Ordered successfully")
    print("Your order will be delivered soon to your registered
address")
    print("You can pay your bill on delivery")
    print("\nThank you\nCome again")
```

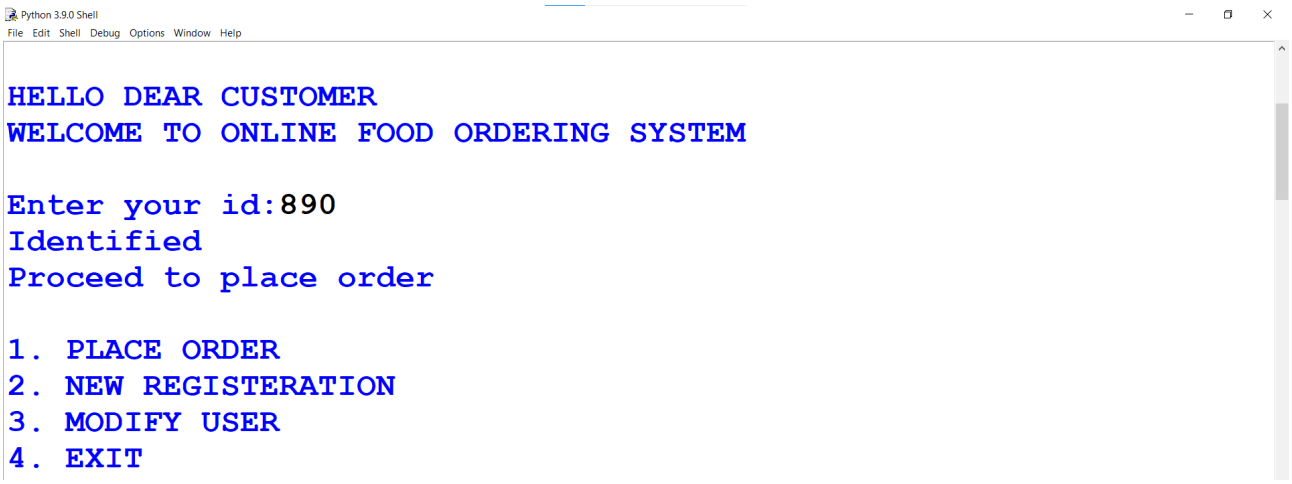
```
def register():
    userid=int(input("\nEnter your user id:"))
    name=input("Enter your name:")
    phone=int(input("Enter your phone number:"))
    address=input("Enter your address:")
    import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",passwd="root123",database="restaurant")
    cursor=db.cursor()
    cursor.execute("insert into user values("+str(userid)+",'"+(name)+"',"+str(phone)+",'"+(address)+"');")
    print("You are registered successfully")


def modify():
    userid=input("\nEnter your user id: ")
    name=input("Enter your Name: ")
    address=input("Enter your Address: ")
    phone=input("Enter your Phone Number: ")
    import mysql.connector

db=mysql.connector.connect(host="localhost",user="root",passwd="root123",database="restaurant")
    cursor=db.cursor()
    cursor.execute("update user set uname='"+(name)+"',uaddrs='" +(address)+"',uphone="+str(phone)+" where usid="+str(userid)+";")
    db.commit()
    print("Modified Successfully")




main()
```

5. OUTPUT

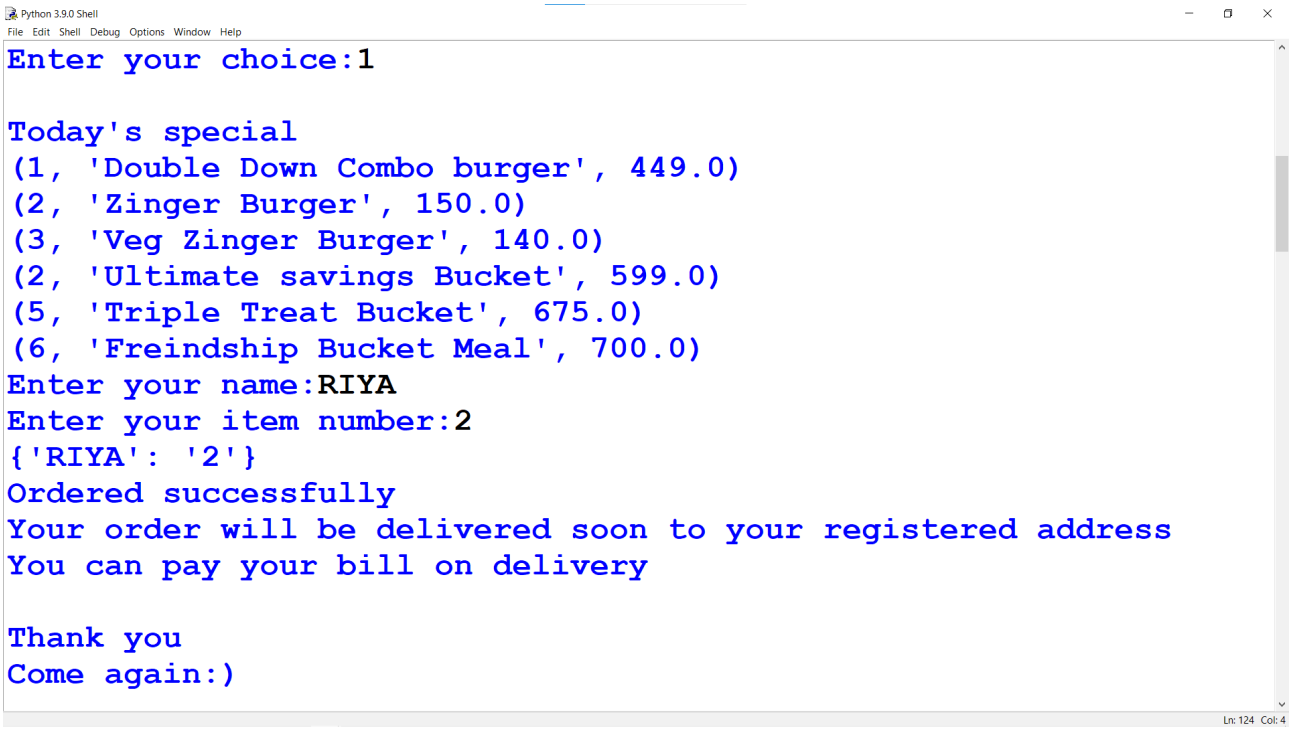
1.Opening Window



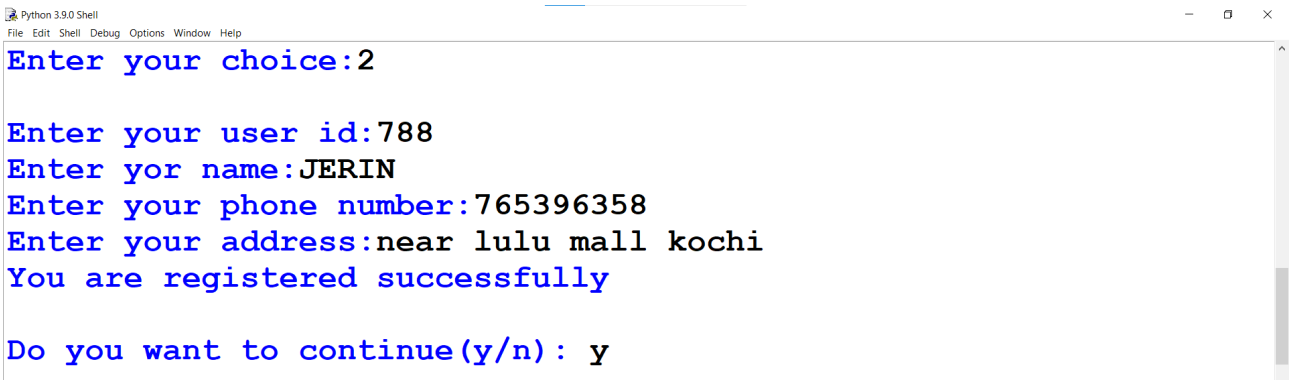
2.Entry menu



3.Placing order



4.New Registration



5.Modify user details

```
Enter your choice:3

Enter your user id: 788
Enter your Name: JERIN
Enter your Address: near central mall kochi
Enter your Phone Number: 765396358
Modified Successfully

Do you want to continue(y/n): y
```

6.Exit

```
1. PLACE ORDER
2. NEW REGISTERATION
3. MODIFY USER
4. EXIT
Enter your choice:4
Exiting...
>>>
```

Ln: 113 Col: 30

6. CONCLUSION

Here the need for online food ordering is analysed and its advantages over the traditional food ordering system in restaurants are studied. The proposed online restaurant management system reduces manual work, saves time and has many other benefits as compared to the traditional system. This system saves the details, the user has entered and saves it for future references. This would help the hotels or restaurants to calculate their daily expenses, monthly profits and yearly turnover for large chains of restaurants and hotels.

This system attracts customers and also adds the efficiency of maintaining the restaurant's ordering and billing. Hence it is the modern way to grow up the business using E-commerce. Here implementation of an advanced e-restaurant menu ordering system using smart android mobile phone.

Many companies have developed these kinds of systems and many countries has started to implement it. Even in our country there many applications like SWIGGY, ZOMATO, etc…. that has implemented online food ordering system and has been a success. They have made a huge impact on the food industry of India, increasing marketing, trade, economy, education, increasing job offers, etc.

7.REFERENCES

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