ONLINE FOOD ORDER

A PROJECT REPORT

Submitted by

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INTRODUTION

The Online Food Order Project in Python is a console-based application written in the Python programming language. The project is open source, and it was made for novices who wish to learn Python. Online Food Order Project in Python with Source Code can run in console mode. Online shopping gives individuals the opportunity to compare prices.

This makes customers happy with Ordering Food Online because they can acquire things at lower prices without having to waste time going to different Hotels and Restaurants. The project is simple, the system will ask you whether you are going to log in or create account. Now you can enter your option so you can enjoy and explore the whole system.

This project is all about a website which is simulated in python for Online Food Order. It helps in purchasing different products through an online application. It requires SQL's username and password so that it can be accessed in any system.

It keeps the record of items ordered, the date on which the order was placed. It contains many products for the user and also the products have been divided into categories to make ordering easy for the user. User can view the orders which they ordered in the past.

OBJECTIVES OF THE PROJECT

The objective of this project is to let the students apply the programming knowledge into a real-world situation/problem and exposed the students how programming skills helps in developing a good software.

1. Write programs utilizing modern software tools.

2. Apply object oriented programming principles effectively when developing small to medium sized projects.

3. Write effective procedural code to solve small to medium sized problems.

4. Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of systems, theory and software development.

5. Students will demonstrate ability to conduct a research or applied. Computer Science project, requiring writing and presentation skills which exemplify scholarly style in computer science.

HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENT:

1. **OPERATING SYSTEM** - WINDOWS 7 OR ABOVE
2. **PROCESSOR** - PENTIUM(ANY)
3. **MOTHERBOARD MSI** - 1.845 OR 915,995 FOR PENTIUM
4. **RAM** - 513MB+
5. **Hard Disc** - SATA 40GB OR ABOVE
6. **CD/DVD** - (IF Backup Required)
7. **PENDRIVE 1.44MB -** (IF Backup Required)
8. **MONITOR 14.1 or 15-17 inch**
9. **KEYBOARD AND MOUSE**
10. **PRINTER -** (If print is required - [Hard Copy])

SOFTWARE REQUIREMENTS:

1. **WINDOWS OS**
2. **PYTHON**

INTRODUCTION TO PYTHON PROGRAMMING

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance.

Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed. Often, programmers fall in love with Python because of the increased productivity it provides.

Since there is no compilation step, the edit test-debug cycle is incredibly fast. Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. When the program doesn't catch the exception, the interpreter prints a stack trace.

A source level debugger allows inspection of local and global variables, evaluation of arbitrary expressions, setting breakpoints, stepping through the code a line at a time, and so on. The debugger is written in Python itself, testifying to Python's introspective power. On the other hand, often the quickest way to debug a program is to add a few print statements to the source: the fast edit-test-debug cycle makes this simple approach very effective.

INTRODUCTION TO SQL

Structured Query Language (SQL) is a standardized programming language that is used to manage relational databases and perform various operations on the data in them. Initially created in the 1970s, SQL is regularly used not only by database administrators, but also by developers writing data integration scripts and data analysts looking to set up and run analytical queries.

The term *SQL* is pronounced *sequel*.

SQL is used for the following:

- modifying database table and index structures;
- adding, updating and deleting rows of data; and
- retrieving subsets of information from within relational database management systems (RDBMS) -- this information can be used for transaction processing, analytics applications and other applications that require communicating with a relational database.

SQL queries and other operations take the form of commands written as statements and are aggregated into programs that enable users to add, modify or retrieve data from database tables.

A table is the most basic unit of a database and consists of rows and columns of data. A single table holds records, and each record is stored in a row of the table. Tables are the most used type of database objects, or structures that hold or reference data in a relational database.

SYNOPSIS

- CREATING AN ACCOUNT
- LOGIN
- ORDERING
- DELIVERY SUMMARY
- EXIT

SOURCE CODE

```
print('''
WELCOME TO ZEPTO
                                    WELCOME TO ZEPTO                ''')


print()
print()
print()
print()

print('''                             WELCOME TO OUR ''ZEPTO'' FOOD ORDER APP
                            THIS APP IS IS TO ORDER FOOD ONLINE
                            COUPON CODES ARE ALSO AVAILABLE FOR DISCOUNT
                            ORDER AND ENJOY THE MEAL RIGHT NOW !!!''')

print()
print()
print()


import random
import mysql.connector as fo
U=input("ENTER YOUR SQL USERNAME(IF U DON'T HAVE A USERNAME, TYPE 'root'):")
P=input("ENTER YOUR SQL PASSWORD(IF U DON'T HAVE A PASSWORD, PRESS ENTER IN YOUR KEYBOARD):")
```

```
print()

import mysql.connector as fo
fd=fo.connect(host='localhost',user=U,passwd=P,database='food')
def create():
    print()
    n=input('ENTER YOUR NAME :')
    p=int(input('ENTER YOUR PHONE NUMBER :'))
    print('--'*30)
    username=input('ENTER YOUR USERNAME :')
    paswd=input('ENTER YOUR PIN :')
    print('--'*30)
    cur=fd.cursor()
    cur.execute("insert into zeptocust values('%s',%s,'%s',%s)"%(n,p,username,paswd))
    fd.commit()
    print('''
YOUR ACCOUNT CREATED
SUCESSFULLY!!''')
    home()
```

```
def login():
    print()
    a=input('ENTER YOUR EXISTING USERNAME :')
    b=int(input("ENTER YOUR USERNAME'S PASSWORD :"))
    cur=fd.cursor()
    cur.execute('select*from zeptocust')
    data=cur.fetchall()
    c=cur.rowcount
    for r in data:
        if(a in r) and (b in r):
            print()
            print('''
WELCOME!!   ''',a)
            home()


        else:
            print('''
INCORRECT PASSWORD..... TRY AGAIN.....''')

            print()
            login()
```

```
print()
print()

import mysql.connector as fo
fd=fo.connect(host='localhost',user=U,passwd=P,database='food')
def menu():
    cur=fd.cursor()
    cur.execute('select*from menu')
    f=cur.fetchall()
    for i in f:
        print(i,sep='\t')



import mysql.connector as fo
fd=fo.connect(host='localhost',user=U,passwd=P,database='food')
def orderyes():
    print()
    cur=fd.cursor()
    d=int(input('WHAT DISH DO YOU WANT TO ORDER: (ENTER THE SNO)'))
    q=int(input('HOW MANY WOULD YOU LIKE ?'))
    cur.execute('select PRICE from menu where SNO=%s'%(d))
    n=str(cur.fetchone())
    r=(int(n[1:-2])*q)
    cur.execute('select DISH from menu where SNO=%s'%(d))
    j=str(cur.fetchone())
    i=j[2:-3]
    cur.execute('insert into zepto(NAME,PRICE,QTY) values("%s",%s,%s)'%(i,r,q))
    fd.commit()
    print('''
YOUR ORDER IS ADDED...''')
```

```
def orderno():
    cur=fd.cursor()
    print()
    print('YOUR ORDER IS :')
    cur.execute('select * from zepto')
    data=cur.fetchall()
    for i in data:
        print(i)
    cur.execute('select sum(PRICE) from zepto')
    global total
    total=str(cur.fetchone())
    print('TOTAL AMOUNT TO BE PAID IS: RS',total[10:-4])
```

```
def yescon():
    global order
    order+=1
    name=input('ENTER YOUR NAME :')
    phno=int(input('ENTER YOUR PHONE NUMBER :'))
    adrs=input('ENTER YOUR ADDRESS :')
    import datetime
    x=datetime.datetime.now()
    t=(x.strftime('%c'))
    cur=fd.cursor()
    cur.execute('delete from zepto')
    cur.execute('insert into delivery values(%s,"%s",%s,"%s",%s,"%s")'%(order,name,phno,adrs,Total,t))
    fd.commit()
    print()
    print('YOUR ORDER NUMBER IS :',order)
    print()
    op=input('DO YOU WANT TO SEE THE DELIVERY SUMMARY(Y/N):')
    if op=='y' or op=='Y':
        summary()
    else:
        home()
```

```
def summary():
    print('''
SUMMARY:''')
    f=int(input('ENTER YOUR OREDR NO:'))
    cur=fd.cursor()
    cur.execute('select * from delivery where ORDERNO=%s'%(f))
    x=cur.fetchone()
    print(x)
```

```
def porder():
    global order
    global Total
    print()
    print('WOULD YOU LIKE TO SEE MENU ?')
    opt=input('IF YES ENTER "Y",NOT ENTER "N":')
    if opt=='y' or opt=='Y':
        menu()
        print()
        ans=input('SURE DO YOU WANT TO ORDER??:')
        while ans=='y' or ans=='Y':
            orderyes()
            ans=input('WOULD YOU LIKE TO ORDER ANYTING ELSE(Y/N):')
        if ans=='n' or ans=='N':
            orderno()
            Total=0
            Total=total[10:-4]
        con=input('DO YOU WANT TO CONFIRM YOUR ORDER(Y/N)')
        cur=fd.cursor()
        cur.execute('select max(ORDERNO) from delivery')
        z=str(cur.fetchone())
        order=int(z[1:-2])
        if con=='Y' or con=='y':
            yescon()
        if con=='N' or opt=='n':
            print('ORDER CANCELLED')
            exit()
        else:
            print('INCORRECT OPTION')
    else:
        print('INCORRECT ANSWER')
        home()
```

```
def home():
    print()
    print('''------------------

1)PLACING ORDER
2)SUMMARY
3)LOGOUT
------------------''')
    print()
    chois=int(input('enter your choice:'))
    if chois==1:
        porder()
        home()
    elif chois==2:
        summary()
        home()
    elif chois==3:
            exi=input('DO YOU REALLY WANT TO LEAVE ZEPTO(y/n): ')
            if exi == 'y' or exi == 'Y':
                print()
                print('THANK YOU FOR USING ZEPTO !!!')
                exit()
            elif exi == 'n' or exi == 'N':
                home()

    else:
        print('INVALID CHOICE..TRY AGAIN')
        home()


def opt():
    OPT=input('DO YOU WANT TO CREATE ACCOUNT PRESS"C" OR TO LOGIN PRESS"L":')
    if OPT=='c' or OPT=='C':
        create()
    elif OPT=='l' or OPT=='L':
        login()
    else:
        print('''
INCORRECT OPTION... TRY AGAIN!!''')
        opt()

opt()
```

OUTPUT

TABLE CREATION:


```
WELCOME TO ZEPTO


WELCOME TO OUR ''ZEPTO'' FOOD ORDER APP
THIS APP IS IS TO ORDER FOOD ONLINE
COUPON CODES ARE ALSO AVAILABLE FOR DISCOUNT
ORDER AND ENJOY THE MEAL RIGHT NOW !!!


ENTER YOUR SQL USERNAME(IF U DON'T HAVE A USERNAME, TYPE 'root'):root
ENTER YOUR SQL PASSWORD(IF U DON'T HAVE A PASSWORD, PRESS ENTER IN YOUR KEYBOARD):sadique123
```

CREATING ACCOUNT:

```
DO YOU WANT TO CREATE ACCOUNT PRESS"C" OR TO LOGIN PRESS"L":C

ENTER YOUR NAME :ADAM
ENTER YOUR PHONE NUMBER :9568741032
------------------------------------------------------------
ENTER YOUR USERNAME :adamali
ENTER YOUR PIN :9183
------------------------------------------------------------
```

LOGIN:

```
DO YOU WANT TO CREATE ACCOUNT PRESS"C" OR TO LOGIN PRESS"L":1

ENTER YOUR EXISTING USERNAME :ADAM
ENTER YOUR USERNAME'S PASSWORD :9183

WELCOME!!     ADAM
```

HOME PAGE:

```
HOME
-----------------

1)PLACING ORDER
2)SUMMARY
3)LOGOUT
-----------------

enter your choice:
```

PLACING ORDER:

```
HOME
-----------------

1)PLACING ORDER
2)SUMMARY
3)LOGOUT
-----------------

enter your choice:1

WOULD YOU LIKE TO SEE MENU ?
IF YES ENTER "Y",NOT ENTER "N":Y
(1, 'CHICKEN SHAWARMA', 120)
(2, 'MEXICAN SHAWARMA', 180)
(3, 'PANNER TIKKA ROLL', 125)
(4, 'SANDWICH', 100)
(5, 'FRENCH FRIES', 70)
(6, 'VEG MANCHURIA', 60)
(7, 'MASHROOM MANCHURIA', 70)
(8, 'PANNER MANCHURIA', 70)
(9, 'GOBI MANCHURIA', 75)
(10, 'CHICKEN MANCHURIA', 90)
(11, 'CHILLI CHICKEN', 90)
(12, 'CHICKEN 65', 85)
(13, 'IDLI SAAMBAR', 25)
(14, 'DOSA SAAMBAR', 30)
(15, 'MASALA DOSA', 45)
(16, 'IDIYAPPAM', 20)
(17, 'PARROTA', 25)
(18, 'SAMBAR RICE', 45)
(19, 'RASAM RICE', 40)
(20, 'CURD RICE', 30)

SURE DO YOU WANT TO ORDER??:Y

WHAT DISH DO YOU WANT TO ORDER: (ENTER THE SNO)1
HOW MANY WOULD YOU LIKE ?2
YOUR ORDER IS ADDED
```

ORDERING ANOTHER THING:

```
WOULD YOU LIKE TO ORDER ANYTING ELSE(Y/N):Y

WHAT DISH DO YOU WANT TO ORDER: (ENTER THE SNO)3
HOW MANY WOULD YOU LIKE ?1
YOUR ORDER IS ADDED
WOULD YOU LIKE TO ORDER ANYTING ELSE(Y/N):
```

CONFIRMING ORDER:

```
WOULD YOU LIKE TO ORDER ANYTING ELSE(Y/N):N

YOUR ORDER IS :
('CHICKEN SHAWARMA', 240, 2)
('PANNER TIKKA ROLL', 125, 1)
TOTAL AMOUNT TO BE PAID IS: RS 365
DO YOU WANT TO CONFIRM YOUR ORDER(Y/N)Y
ENTER YOUR NAME :ADAM
ENTER YOUR PHONE NUMBER :9568741032
ENTER YOUR ADDRESS :EGMORE

YOUR ORDER NUMBER IS : 1
```

DELIVERY SUMMARY:

```
DO YOU WANT TO SEE THE DELIVERY SUMMARY(Y/N):Y
SUMMARY:
ENTER YOUR OREDR NO:1
(1, 'ADAM', 9568741032, 'EGMORE', 365, 'Wed Nov  2 19:28:18 2022')
INCORRECT OPTION
```

DELIVERY SUMMARY FROM HOME:

```
HOME
------------------

1)PLACING ORDER
2)SUMMARY
3)LOGOUT
------------------

enter your choice:2
SUMMARY:
ENTER YOUR OREDR NO:1
(1, 'ADAM', 9568741032, 'EGMORE', 365, 'Wed Nov  2 19:28:18 2022')
```

LOGOUT:

```
HOME
------------------

1)PLACING ORDER
2)SUMMARY
3)LOGOUT
------------------

enter your choice:3
DO YOU REALLY WANT TO LEAVE ZEPTO(y/n): Y

THANK YOU FOR USING ZEPTO !!!
```

MYSQL's TABLES

CUSTOMER DETAILS:

```
mysql> select*from zeptocust;
+-----------+------------+----------+-------+
| cust_NAME | phno       | USERNAME | paswd |
+-----------+------------+----------+-------+
| ADAM      | 9568741032 | adamali  |  9183 |
+-----------+------------+----------+-------+
1 row in set (0.00 sec)
```

MENU:

```
mysql> select*from MENU;
+------+--------------------+-------+
| SNO  | DISH               | PRICE |
+------+--------------------+-------+
|    1 | CHICKEN SHAWARMA   |   120 |
|    2 | MEXICAN SHAWARMA   |   180 |
|    3 | PANNER TIKKA ROLL  |   125 |
|    4 | SANDWICH           |   100 |
|    5 | FRENCH FRIES       |    70 |
|    6 | VEG MANCHURIA      |    60 |
|    7 | MASHROOM MANCHURIA |    70 |
|    8 | PANNER MANCHURIA   |    70 |
|    9 | GOBI MANCHURIA     |    75 |
|   10 | CHICKEN MANCHURIA  |    90 |
|   11 | CHILLI CHICKEN     |    90 |
|   12 | CHICKEN 65         |    85 |
|   13 | IDLI SAAMBAR       |    25 |
|   14 | DOSA SAAMBAR       |    30 |
|   15 | MASALA DOSA        |    45 |
|   16 | IDIYAPPAM          |    20 |
|   17 | PARROTA            |    25 |
|   18 | SAMBAR RICE        |    45 |
|   19 | RASAM RICE         |    40 |
|   20 | CURD RICE          |    30 |
+------+--------------------+-------+
20 rows in set (0.00 sec)
```

DELIVERY:

```
mysql> select*from delivery;
+---------+------+------------+---------+-------+--------------------------+
| ORDERNO | NAME | PHNO       | ADDRESS | TOTAL | TIME                     |
+---------+------+------------+---------+-------+--------------------------+
|       1 | ADAM | 9568741032 | EGMORE  |   365 | Wed Nov  2 19:28:18 2022 |
+---------+------+------------+---------+-------+--------------------------+
1 row in set (0.01 sec)
```

CONCLUSION

Hence, you can simulate an online food order website using the above program in python.

This program:

- Stores the user's data
- The date on which the order was placed
- Contains many products for the user
- Provides access to the user to view the orders which they ordered in the past

It is a user friendly program and promotes user to shop and purchase faster.

With the upcoming updates, it can do more services for the user.

This coding is excellent for educational purposes as it contains many new keywords and functions.

This program will be updated in the near future and on the next update user can:

1. Login through different devices using same account.
2. Pay using net banking, credit card, debit card, crypto currencies etc.
3. Cancel the order.
4. Applying for delivery job.

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