**ARMY PUBLIC SCHOOL, PUNE**



**SESSION 2019-20**

**INFORMATICS PRACTICES PROJECT**

Name-

Class-

Section-

Roll No.-

**CERTIFICATE**

This is to certify that  **,**

student of class  **,** Roll No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

of **Army Public School, Pune**, has completed the

project titled “**ONLINE GROCERY SHOP**”

during the academic Year **2019-20.**

(Subject Teacher) (Principle)

**External Examiner**

**ACKNOWLEDGEMENT**

I would like to express my special thanks of

Gratitude to my I.P teacher ‘ ’

for their able guidance

and support in completing my project.

I would also like to extend my gratitude to the principal ma’am ‘ ’ for

Providing me with all the facilities that were

required.

**INTRODUCTION**

The best online grocery store. Groffters is an online supermarket for all your daily needs. Using this app you can order any grocery product from the online store just by sitting in your house. All you have to do is just make a free account and all your grocery is just some clicks away!

**REQUIRMENTS**

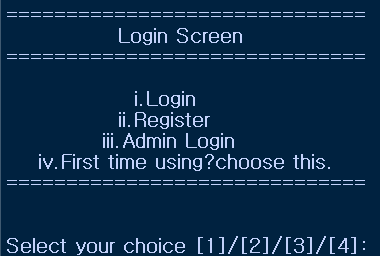
1. Python
2. MySql
3. MySql and Python connectivity

**Project Screenshots:**

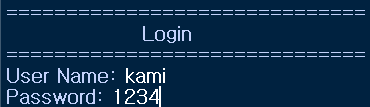
#Welcome Screen



#Login Screen



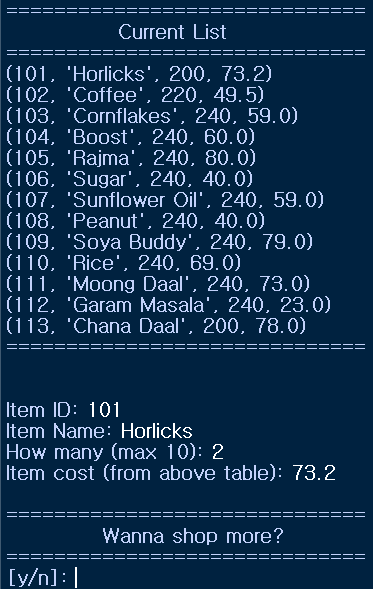
#Login



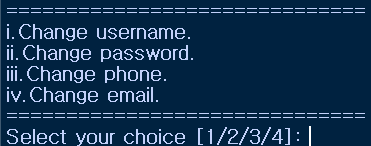
#Welcome Screen (Login)



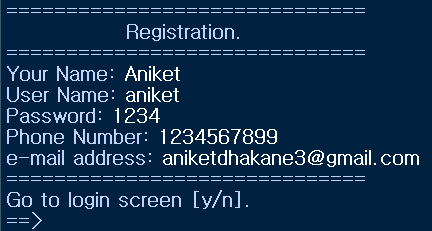
#Buy Menu



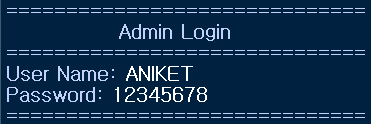
#Edit Profile



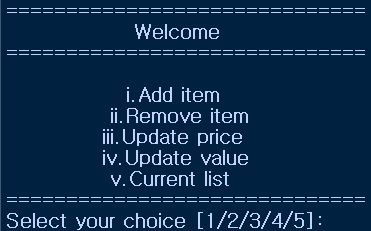
#Registration



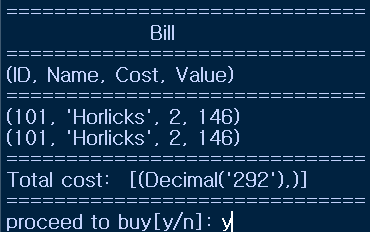
#Admin Login



#Welcome Screen (Admin Login)



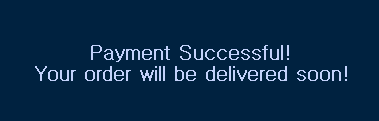
#Bill



#Payment Menu

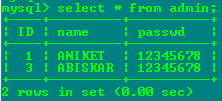


#Final Message

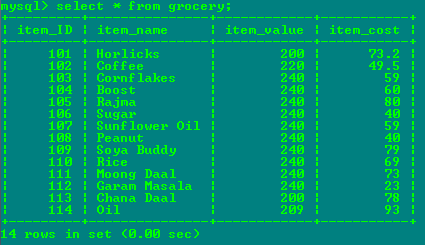


**MySql Tables:**

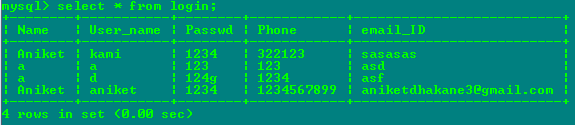
#Admin Table



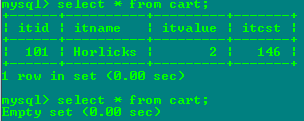
#Grocery Table



#Login Table



#Cart Table



This is a Temporary Table and is only

Used or filled

During the time of payment

And bill generation.

**Classes Imported:**

#MySql Connector:

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor(dictionary="true")

Buy Function:

def buy():

print("\n\n\n\n\n"\*6)

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor(dictionary="true")

print("="\*30)

print("Bill".center(40))

print("="\*30)

print("(ID, Name, Cost, Value)")

print("="\*30)

qnames="select \* from cart;"

cursor.execute(qnames)

names=cursor.fetchall()

for i in names:

print(i)

print("="\*30)

qtotcst="select sum(itcst) as totcst from cart;"

cursor.execute(qtotcst)

totcost=cursor.fetchall()

print("Total cost: ", totcost)

print("="\*30)

choose=input("proceed to buy[y/n]: ")

if choose == "y":

print("\n\n\n\n\n\n"\*6)

print("="\*30)

print("Payment menu:".center(40))

print("="\*30)

print("""Currently only payment by

card is available future

updates will contail COD

and other ways.""")

print("="\*30)

print()

name=input("Name on card: ")

no=int(input("Card number: "))

expdt=int(input("Expiry date: "))

cvv=int(input("cvv: "))

print("="\*30)

proceed=input("proceed [y/n]: ")

if proceed == 'y':

print("\n\n\n\n\n"\*6)

print("Payment Successful!".center(100))

print("Your order will be delivered soon!".center(100))

print("\n\n\n"\*3)

#deleting cart table

cursor.execute("drop table cart;")

#cleaning the environment

mycon.close()

else:

print("see you soon!")#deleting cart table

cursor.execute("drop table cart;")

#cleaning the environment

mycon.close()

else:

print("see you soon!!")

#deleting cart table

cursor.execute("drop table cart;")

#cleaning the environment

mycon.close()

**Cart Function:**

def cart():

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor()

print("\n\n\n\n\n\n"\*6)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

print("\n")

inputid=int(input("Item ID: "))

inpname=input("Item Name: ")

howmany=int(input("How many (max 10): "))

inpcst=float(input("Item cost (from above table): "))

cost=howmany\*inpcst

#Adding values to the cart table

addn="insert into cart values('%s','%s','%s','%s');"%(inputid,inpname,cost,howmany)

cursor.execute(addn)

mycon.commit()

print()

print("="\*30)

print("Wanna shop more?".center(40))

print("="\*30)

choose=input("[y/n]: ")

if choose == "y":

cart()

else:

print("\n\n\n\n\n\n"\*6)

print("="\*30)

print("proceed to buy: ".center(40))

print("="\*30)

choose2=input("[y/n]: ")

if choose2 == "y":

buy()

else:

print("see you soon!")

**Admin loggin Function:**

def adminlogged():

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor(dictionary="true")

print("\n\n\n\n"\*5)

print("="\*30)

print("Welcome".center(40))

print("="\*30)

print()

print("i.Add item".center(40)) #adding item

print("ii.Remove item".center(40)) #remove item

print("iii.Update price".center(40)) #changing price

print("iv.Update value".center(40)) #change value

print("v.Current list".center(40))

print("="\*30)

choice2=int(input("Select your choice [1/2/3/4/5]: "))

print("="\*30)

if choice2 ==1 :

print("\n\n\n\n\n\n")

print("="\*30)

show\_table="select \* from grocery" #query to select whole grocery table

cursor.execute(show\_table)

data=cursor.fetchall() #it collects the table data

print("="\*30)

print("Current List".center(40))

print("="\*30)

print("""(Item ID,Item Name,Available Value,Cost)""")

for df in data: #it prints the grocery table

print(df)

print("="\*30)

item\_ID=int(input("Item code (unique): "))

item\_name=input("Item name: ")

item\_value=int(input("How many items: "))

item\_cost=input("Item cost: ")

print("="\*30)

additn="insert into grocery values ({},'{}',{},{})".format(item\_ID,item\_name,item\_value,item\_cost)

cursor.execute(additn) #adding item

mycon.commit()

print("Wanna continue?")

conte=input("==> ")

if conte == 'y':

print("\n\n\n\n"\*5)

adminlogged()

else:

print("See you soon ;)")

elif choice2 == 2:

print("\n\n\n\n\n\n\n"\*5)

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(30))

print("="\*30)

for df in data:

print(df)

print("="\*30)

print("="\*30)

print("Item name (OR) Item code: ")

print("="\*30)

choose=int(input("[1/2] ==> "))

if choose == 1:

print("="\*30)

Itname=input("Item name: ")

print("="\*30)

query="delete from grocery where item\_name='%s'"%(Itname)

cursor.execute(query)

mycon.commit()

adminlogged()

elif choose == 2:

print("="\*30)

Itcode=int(input("Item Code: "))

print("="\*30)

query="delete from grocery where item\_ID='%s'"%(Itcode)

cursor.execute(query)

mycon.commit()

adminlogged()

elif choice2 == 3 :

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(40))

print("="\*300)

for df in data:

print(df)

print("="\*30)

print("="\*30)

choose=input("Select Item: ")

choose1=float(input("New Cost: "))

update="update grocery set item\_cost = %s where item\_name = '%s'"%(choose1,choose)

cursor.execute(update)

mycon.commit()

print("="\*30)

print("Display New Table? [y/n]")

choice=input("==>")

if choice == 'y':

print("\n\n\n\n\n"\*6)

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("New List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

inp3=input("wanna go back[y/n]: ")

if inp3 == "y":

adminlogged()

else:

print("Come back soon!")

else:

adminlogged()

elif choice2 == 4:

print("\n\n\n\n\n"\*6)

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

print("="\*30)

choose=input("Select Item: ")

choose1=float(input("New Value (max 250): "))

update="update grocery set item\_value = %s where item\_name = '%s'"%(choose1,choose)

cursor.execute(update)

mycon.commit()

print("="\*30)

print("Display New Table? [y/n]")

choice=input("==>")

if choice == 'y':

print("\n\n\n\n\n"\*6)

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("New List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

adminlogged()

else:

adminlogged()

elif choice2 == 5 :

print("="\*30)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

choose=input("wanna go back[y/n]: ")

if choose == 'y':

adminlogged()

else:

print("come back soon!")

**Admin Function:**

def admin():

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor(dictionary="true")

print("\n\n\n\n\n\n"\*5)

print("="\*30)

print("Admin Login".center(40))

print("="\*30)

user=input("User Name: ")

passwd=input("Password: ")

print("="\*30)

cursor.execute("select \* from admin where name = '{}' and passwd = '{}'".format(user,passwd))

if cursor.fetchone() is None:

print("Password or Username Incorrect!")

inp2=input("click 'y' to try again: ")

if inp2 == "y":

admin()

else:

print("Come again later.")

else:

cursor.execute("select \* from admin where name = '{}' and passwd = '{}'".format(user,passwd))

if cursor.fetchone() is not None: #checking if the password and username are correct.

adminlogged()

**Index:**

#This function contains Cust\_login and Cust\_Registration

def index():

#importing necessary modules.

import pandas as pd

import numpy as np

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor(dictionary="true")

#query for admintable

admins="create table if not exists admin (ID int not null,name varchar(20),passwd varchar(16) not null);"

cursor.execute(admins)

mycon.commit()

#query for grocerytable

grocery="create table if not exists grocery (item\_ID int not null unique,item\_name varchar(20),item\_value int(250),item\_cost double);"

cursor.execute(grocery)

#query for logintable

login\_table="create table if not exists login (Name varchar(30) not null,User\_name varchar(15) unique,Passwd varchar(16) not null,Phone varchar(13),email\_ID varchar(45))"

cursor.execute(login\_table)

#query for cart

cart="create table if not exists cart (itid int(5),itname varchar(30),itvalue int(10),itcst int(10));"

cursor.execute(cart)

print("="\*30)

print("Login Screen".center(40))

print("="\*30)

print()

print("i.Login".center(40))

print("ii.Register".center(40))

print("iii.Admin Login".center(40))

print("iv.First time using?choose this.".center(40))

print("="\*30)

print("\n")

input1=int(input("Select your choice [1]/[2]/[3]/[4]: "))

print("="\*30)

if input1 == 1:

"LOGIN"

print("\n\n\n\n\n"\*6)

print("="\*30)

print("Login".center(40))

print("="\*30)

username=input("User Name: ") #Username

password=input("Password: ") #password

print("="\*30)

if username == "" or password == "": #this will pop up if any of the above feild is left empty.

print("Please complete the required field!")

#query to check if password and username is correct

cursor.execute("select \* from login where User\_name = '{}' and passwd = '{}'".format(username,password))

if cursor.fetchone() is not None: #opening the buying menu

print("\n\n\n\n\n\n"\*6)

print("="\*30)

print(" "\*15,"Welcome",username)

print("="\*30)

print()

print("i.Buy".center(45))

print("ii.Edit Profile".center(45))

print()

print("="\*30)

choose=input("[i/ii] =>")

if choose == 'i':

import mysql.connector as root

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor()

print("\n\n\n\n\n\n"\*6)

show\_table="select \* from grocery"

cursor.execute(show\_table)

data=cursor.fetchall()

print("="\*30)

print("Current List".center(40))

print("="\*30)

for df in data:

print(df)

print("="\*30)

print("\n")

inputid=int(input("Item ID: "))

inpname=input("Item Name: ")

howmany=int(input("How many (max 10): "))

inpcst=float(input("Item cost (from above table): "))

cost=howmany\*inpcst

#Adding values to the cart table

addn="insert into cart values('%s','%s','%s','%s');"%(inputid,inpname,howmany,cost)

cursor.execute(addn)

mycon.commit()

print()

print("="\*30)

print("Wanna shop more?".center(40))

print("="\*30)

choose=input("[y/n]: ")

if choose == "y":

index()

else:

print("\n\n\n\n\n\n"\*6)

print("="\*30)

print("proceed to buy: ".center(40))

print("="\*30)

choose2=input("[y/n]: ")

if choose2 == "y":

buy()

else:

print("see you soon!")

#reference to login table to code the following program

#login (Name varchar(30) not null,User\_name varchar(15) unique,Passwd varchar(16) not null,Phone varchar(13),email\_ID varchar(20)

elif choose == 'ii':

#this menu will deal with changing values like password, username,etc

print("="\*30)

print("i.Change username.")

print("ii.Change password.")

print("iii.Change phone.")

print("iv.Change email.")

print("="\*30)

choice=int(input("Select your choice [1/2/3/4]: "))

print("="\*30)

if choice == 1: #to change username

newname=input("Enter new username: ")

email=input("Enter your email id: ")

query="update login set User\_name = '%s' where email\_ID = '%s'"%(newname,email)

cursor.execute(query)

mycon.commit()

index()

elif choice == 2: #to change password

newpass=input("Enter new password: ")

email=input("Enter your email id: ")

query="update login set Passwd = '%s' where email\_ID = '%s'"%(newpass,email)

cursor.execute(query)

mycon.commit()

index()

elif choice == 3: #to change phone number

newphone=input("Enter new Phone number: ")

email=input("Enter your email id: ")

query="update login set Phone = '%s' where email\_ID = '%s'"%(newphone,email)

cursor.execute(query)

mycon.commit()

index()

elif choice == 4: #to change email ID

newemail=input("Enter new Email: ")

passwd=input("Enter your Passwd: ")

query="update login set email\_ID = '%s' where Passwd = '%s'"%(newemail,passwd)

cursor.execute(query)

mycon.commit()

index()

else:

print("Invalid option!")

elif input1 == 2:

print("""\n\n\n\n"""\*5)

#this place deals with registration of new customers!!!

mycon=root.connect(host="localhost",user="root",password="tiger",database="gtr",charset="utf8")

cursor=mycon.cursor()

print("="\*30)

print("Registration.".center(44))

print("="\*30)

name=input("Your Name: ")

user\_name=input("User Name: ")

passwrd=input("Password: ")

phno=int(input("Phone Number: "))

email=input("e-mail address: ")

#query to add values into login table.

addition="insert into login values ('{}','{}','{}',{},'{}')".format(name,user\_name,passwrd,phno,email)

cursor.execute(addition)

mycon.commit()

print("="\*30)

print("Go to login screen [y/n].")

conte=input("==>")

print("="\*30)

if conte == "y":

print("\n\n\n\n\n"\*6)

index()

else:

print("come back soon!")

elif input1 == 3:

admin()

elif input1 == 4:

adminf="insert into admin values (1,'ANIKET','12345678');"

adminf2="insert into admin values (3,'ABISKAR','12345678');"

item1="insert into grocery values (101,'Horlicks',200,73.2)"

item2="insert into grocery values (102,'Coffee',220,49.5)"

item3="insert into grocery values (103,'Cornflakes',240,59.0)"

item4="insert into grocery values (104,'Boost',240,59.0)"

item5="insert into grocery values (105,'Rajma',240,80.0)"

item6="insert into grocery values (106,'Sugar',240,40.0)"

item7="insert into grocery values (107,'Sunflower Oil',240,59.0)"

item8="insert into grocery values (108,'Peanut',240,40.0)"

item9="insert into grocery values (109,'Soya Buddy',240,79.0)"

item10="insert into grocery values (110,'Rice',240,69.0)"

item11="insert into grocery values (111,'Moong Daal',240,73.0)"

item12="insert into grocery values (112,'Garam Masala',240,23.0)"

cursor.execute(adminf)

cursor.execute(adminf2)

cursor.execute(item1)

cursor.execute(item2)

cursor.execute(item3)

cursor.execute(item4)

cursor.execute(item5)

cursor.execute(item6)

cursor.execute(item7)

cursor.execute(item8)

cursor.execute(item9)

cursor.execute(item10)

cursor.execute(item11)

cursor.execute(item12)

mycon.commit()

print("Do you wanna continue?")

input9=input("==> ")

if input9 == 'y':

print("\n\n\n\n\n\n\n"\*5)

index()

else:

print("See you soon ;)")

**Welcome Screen:**

print()

print("="\*30)

print("Welcome To Groffters!".center(40))

print("="\*30)

print()

print("The worlds largest".center(40))

print("online grocery store!!!!".center(40))

print()

print("="\*30)

start=input("Type [y] to proceed: ")

if start=="y" or start=="Y":

print("\n\n\n\n\n\n"\*5)

index()

else:

print("Thanks for stopping by :)")

**Future Prospects:**

Future updates may contain a real online platform for selling and purchasing of grocery products and with better Graphic User Interfaces for a great user experience. The store capacity will also be increased and an E-wallet may also be developed for purchasing goods and a membership plan will also be developed for premium and non-premium members.

**Bibliography**

1. [www.google.com](http://www.google.com)
2. [www.youtube.com](http://www.youtube.com)
3. [www.sourcecode.com](http://www.sourcecode.com)
4. [www.wekipedia.com](http://www.wekipedia.com)