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In [13]: class Restuarant:
def __init__(self):
self.foods={}
self.food_id=len(self.foods)+1
self.ordered_items=[]
self.personal_details={}

# Admin functionalities

def food_items(self):
self.name=input("Enter the food name: ")
self.quantity=int(input("Enter the quantity:KG "))
self.price=int(input("Enter the food price:$ "))
self.discount=int(input("Enter the discount:$ "))
self.stock=int(input("Enter the stock:KG "))
self.item={"name":self.name,"price":self.price,"discount":self.discount,"stock":self.stock}
self.food_id=len(self.foods)+1
self.foods[self.food_id]=self.item
print("item added successfully \n",self.foods)

def remove_items(self):
del self.foods[int(input("enter the food id you want to delete :"))]
print("Remaining items available are: ",self.foods)

def edit_food_items(self):
f_id=int(input("Enter the food id you want to update : "))
for i in self.foods[f_id]:
self.foods[f_id][i]=input(f"enter the {i} you want to update : ")
print("Food details updated successfully \n ",self.foods)

def all_food_items(self):
print("List of all food items are")
for i in self.foods:
print("Food id : ",i,"\n*****")
for j in self.foods[i]:
print(j,":",self.foods[i][j])

# user functionalities

def register(self):
self.full_name=input("Enter your full name: ")
self.phone_number=int(input("Enter your phone number: "))
self.Email=input("Enter your Email address: ")
self.Address=input("Enter your Address: ")
self.username=input("Enter your username ")
self.Password=input("New password ")
self.user_details={"full name":self.full_name,"phone number":self.phone_number,"Email address":self.Email,
"Address":self.Address,"username":self.username,"password":self.Password}
for details in self.user_details:
self.personal_details[details]=self.user_details
print("Congatulations!!\n You have successfully registered your account ")

def login(self):
# print("Welcome to your login page ")
while True:
user_id=input("Enter your username ")
password=input("Enter your password ")
if user_id==self.username:
if password==self.Password:
print("You are successfully logged in ")
break
else:
print("Incorrect details, Please try again ")
else:
print("Incorrect details, Please try again ")

def place_order(self):
list_of_foods=[{"name":"Tandoori Chicken","quantity":"4 pieces","price":240},
{"name":"Vegan Burger","quantity":"1 Piece","price":320},
{"name":"Truffle Cake","quantity":"500gm","price":900}]
print("Here is the Menu :")
for i in list_of_foods:
print(f'{list_of_foods.index(i)+1}. {i['name']} [{i['quantity']}] (INR[{i['price']}])')
user_input=int(input("Select the items you want to order \n1. Tandoori Chicken\n2. Vegan Burger\n3. Truffle Cake\n "))
if user_input==1:
self.ordered_items.append(list_of_foods[0])
print(list_of_foods[0])
elif user_input==2:
self.ordered_items.append(list_of_foods[1])
print(list_of_foods[1])
elif user_input==3:
self.ordered_items.append(list_of_foods[2])
print(list_of_foods[2])
else:
print("choose the item from the menu")
order=int(input("Do you want to confirm the order?\n1. yes\n2. No\n"))
if order==1:
print("order placed successfully")
else:
print("order cancelled")

def order_history(self):
for i in self.ordered_items:
print("previous orders\n ",i)
def edit_personal_details(self):
for i in self.personal_details:
self.personal_details[i]=input(f"enter the {i} you want to update : ")
print("personal details updated successfully \n ",self.personal_details)
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In [14]: res=Restuarant()
print("Welcome to the Food Ordering app")
while True:
role=int(input("Please select the role of food ordering app \n1. Admin\n2. user\n0. Exit"))
if role==1:
while True:
admin_input=int(input("Enter your preference\n1. Add food itemms\n2. Edit food items\n3. Remove food items\n4.Show all fooditems\n0. Exit1"))
if admin_input==1:
res.food_items()
new_item=int(input("Add more items \n1. Yes\n2. No\n"))
if new_item==1:
res.food_items()
elif admin_input==2:
res.edit_food_items()
elif admin_input==3:
res.remove_items()
elif admin_input==4:
res.all_food_items()
elif admin_input==0:
print("Exit from the application")
break
else:
print("Invalid input, Please select from the options")
elif role==2:
print("Register your account\n")
res.register()
print("Please login into your account\n")
res.login()
while True:
options=int(input("Select the options below \n1. Place order\n2. Show order history\n3. Edit personal details\n0. logout"))
if options==1:
res.place_order()
add_orders=int(input("order more items \n1. Yes\n2. No\n"))
if add_orders==1:
res.place_order()
elif options==2:
res.order_history()
elif options==3:
res.edit_personal_details()
elif options==0:
break
print("Exit from the application")
elif role==0:
break
print("Thank you.")
```

Welcome to the Food Ordering app  
Please select the role of food ordering app  
1. Admin  
2. user  
0. Exit1  
Enter your preference  
1. Add food itemms  
2. Edit food items  
3. Remove food items  
4.Show all fooditems  
0. Exit1  
Enter the food name: Chicken Biryani  
Enter the quantity:KG 2  
Enter the food price:\$ 800  
Enter the discount:\$ 50  
Enter the stock:KG 5  
item added successfully  
{1: {'name': 'Chicken Biryani', 'price': 800, 'discount': 50, 'stock': 5}}  
Add more items  
1. Yes  
2. No  
1  
Enter the food name: Mutton Biryani  
Enter the quantity:KG 3  
Enter the food price:\$ 1500  
Enter the discount:\$ 50  
Enter the stock:KG 3  
item added successfully  
{1: {'name': 'Chicken Biryani', 'price': 800, 'discount': 50, 'stock': 5}, 2: {'name': 'Mutton Biryani', 'price': 1500, 'discount': 50, 'stock': 3}}  
Enter your preference  
1. Add food items  
2. Edit food items  
3. Remove food items  
4.Show all fooditems  
0. Exit2  
Enter the food id you want to update : 2  
enter the name you want to update : Fish Biryani  
enter the price you want to update : 1200  
enter the discount you want to update : 50  
enter the stock you want to update : 2  
Food details updated successfully  
{1: {'name': 'Chicken Biryani', 'price': 800, 'discount': 50, 'stock': 5}, 2: {'name': 'Fish Biryani', 'price': '1200', 'discount': '50', 'stock': '2'}}  
Enter your preference  
1. Add food items  
2. Edit food items  
3. Remove food items  
4.Show all fooditems  
0. Exit3  
enter the food id you want to delete :2  
Remaining items available are: {1: {'name': 'Chicken Biryani', 'price': 800, 'discount': 50, 'stock': 5}}  
Enter your preference  
1. Add food items  
2. Edit food items  
3. Remove food items  
4.Show all fooditems  
0. Exit4  
List of all food items are  
food id : 1  
\*\*\*\*\*  
name : Chicken Biryani  
price : 800  
discount : 50  
stock : 5  
Enter your preference  
1. Add food items  
2. Edit food items  
3. Remove food items  
4.Show all fooditems  
0. Exit0  
Exit from the application  
Please select the role of food ordering app  
1. Admin  
2. user  
0. Exit2  
Register your account  
  
Enter your full name: Sharath  
Enter your phone number: 9554512455  
Enter your Email address: ksharath612@gmail.com  
Enter your Address: Hyderabad  
Enter your username sharath  
New password sharath123  
Congatulations!!  
You have successfully registered your account  
Please login into your account  
  
Enter your username sharath  
Enter your password sharath1234  
Incorrect details, Please try again  
Enter your username sharath123  
Enter your password sharath123  
Incorrect details, Please try again  
Enter your username sharath  
Enter your password sharath123  
You are successfully logged in  
Select the options below  
1. Place order  
2. Show order history  
3. Edit personal details  
0. logout1  
Here is the Menu :  
1. Tandoori Chicken [4 pieces] (INR240)  
2. Vegan Burger [1 Piece] (INR320)  
3. Truffle Cake [500gm] (INR900)  
Select the items you want to order  
1. Tandoori Chicken  
2. Vegan Burger  
3. Truffle Cake  
1  
{'name': 'Tandoori Chicken', 'quantity': '4 pieces', 'price': 240}  
Do you want to confirm the order?  
1. yes  
2. No  
1  
order placed successfully  
order more items  
1. Yes  
2. No  
1  
Here is the Menu :  
1. Tandoori Chicken [4 pieces] (INR240)  
2. Vegan Burger [1 Piece] (INR320)  
3. Truffle Cake [500gm] (INR900)  
Select the items you want to order  
1. Tandoori Chicken  
2. Vegan Burger  
3. Truffle Cake  
3  
{'name': 'Truffle Cake', 'quantity': '500gm', 'price': 900}  
Do you want to confirm the order?  
1. yes  
2. No  
1  
order placed successfully  
Select the options below  
1. Place order  
2. Show order history  
3. Edit personal details  
0. logout2  
previous orders  
{'name': 'Tandoori Chicken', 'quantity': '4 pieces', 'price': 240}  
previous orders  
{'name': 'Truffle Cake', 'quantity': '500gm', 'price': 900}  
Select the options below  
1. Place order  
2. Show order history  
3. Edit personal details  
0. logout3  
enter the full name you want to update : sharath kumar  
enter the phone number you want to update : 8247328721  
enter the Email address you want to update : sharath124@gmail.com  
enter the Address you want to update : Bangalore  
enter the username you want to update : sharath3  
enter the password you want to update : sharath1234  
personal details updated successfully  
{'full name': 'sharath kumar', 'phone number': '8247328721', 'Email address': 'sharath124@gmail.com', 'Address': 'Bangalore', 'username': 'sharat h3', 'password': 'sharath1234'}  
Select the options below  
1. Place order  
2. Show order history  
3. Edit personal details  
0. logout0  
Please select the role of food ordering app  
1. Admin  
2. user  
0. Exit0

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In [ ]:
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In [ ]:
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