

Finding the Cheapest Fast Food Restaurant



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Purpose of the Project

Many people know fast food restaurants like Burger King, McDonald's, Wendy's, KFC, Taco Bell, etc. But as much as people enjoy eating the food, they may lack knowledge of overall pricing in comparison to their own budget as well where they live and how far away they are from a restaurant. The purpose of this project is to provide the client with options about they're location and select popular restaurants and respond based on small budget and the distance.



Server and Client Code

Server Code

```
*CYSE 250 project server.py - C:\Users\pere\OneDrive\Desktop\CYSE 250\CYSE 250 project server.py (3.11.5)
File Edit Format Run Options Window Help
import socket
import intergers
restaurants={
    "City1": {"Mcdoanld's"},
    "City2": {"Burger King"},
    "City3": {"Cook Out"},
}

def get_location(person_location):
    return restaurants.get(person_location, "Location not found")

1
def start_server():
    server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server_address = ('localhost', 123435)
    server_socket.bind(server_address)
2
    server_socket.listen(5)

    print(f"Server listening on {server_address}")

    while True:
        print("Waiting for a connection...")
        client_socket, client_address = server_socket.accept()
        print(f"Connection from {client_address}")
3
        try:
            while True:
                data=client_socket.recv(1024)
                if not data:
                    break

                person_location = data.decode('utf-8')
                stats = get_location(person_location)
                reponse = intergers.dumps(stats).encode('utf-8')

                client_socket.sendall(response)

            except ConnectionResetError:
                pass

        finally:
            print(f"Connection with {client_address} closed.")

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```

Client Code

```
*CYSE 250 project client.py - C:\Users\pere\OneDrive\Desktop\CYSE 250\CYSE 250 project cli...
File Edit Format Run Options Window Help
import socket

def get_location(person_location):
    server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server_address = ('localhost', 123435)

    try:
        client_socket.connect(server_address)

        while True:
            message = person_location = data.encode('utf-8')
            client_socket.sendall(message)

            data = client_socket.recv(1024)
            reponse = data.encode('utf-8')
            print(f"Your location is {person_location}: {reponse}")

            person_location = input("Enter Your location: ")

        finally:
            client_socket.close()

if __name__ == "__main__":
    person_location = input("Enter Your location: ")
    get_location(person_location)

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```