PYTHON MINI PROJECT

Introduction

This is a python mini project to implement and design a program for a cab service.

Cab service has 5 types of vehicles. Cars, Vans, 3 Wheelers, Lorries. Trucks.

Details of each vehicle as follows.

Car:

maximum number of passengers - 3 and 4

AC/ Non AC

Van:

Maximum number of passengers - 6 and 8

AC/ Non AC

3 Wheelers:

Maximum number of passengers - 3

Trucks:

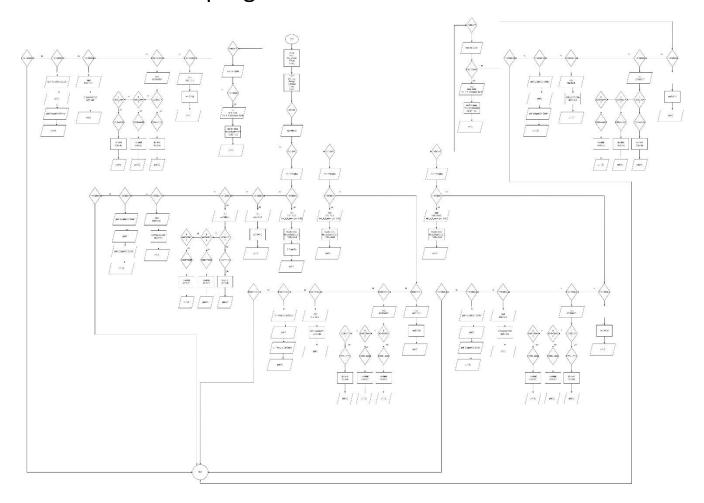
Size – 7 ft and 12 ft

Lorry:

Max load and size - 2500kg and 3500kg

Customer can be able to choose a vehicle according to his/her requirements. Vehicles should be in a queue and the next available vehicle must be given, which matches the customer requirements.

Flowchart of the program



Source code

```
car = [
```

```
'model': 'Chevrolet Express',
'maximum_n_of_passengers': 8,
'facility': 'AC'
temDetails1 = []
```

```
Truck = [
temDetails3 = []
```

```
temDetails4 = []
Lorry detail = [
        car.append(newDic)
        for detail in car:
```

```
car.pop(remId)
            id = car.index(detail)
car.pop(id)
relId = userSelection
temDetails.pop(relId)
for detail in car:
```

```
elif mainOption == '3':
            if detail['model: '] == 'Corella':
                dic = detail
                id = van.index(detail)
    van.pop(id)
    obj = temDetails1[relId]
    van.append(obj)
    temDetails1.pop(relId)
```

```
for detail in temDetails1:
3 Wheeler.append(newDic)
" model: ", detail['model'])
```

```
for detail in temDetails2:
           3 Wheeler.append(obj)
print("ID", temDetails2.index(detail), "name: ",
detail['name'], " model ",
           Truck.pop(remId)
```

```
dic = detail
            id = Truck.index(detail)
    for detail in Truck:
            id = Truck.index(detail)
Truck.pop(id)
relId = userSelection
Truck.append(obj)
temDetails3.pop(relId)
```

```
for detail in Lorry:
Lorry.pop(remId)
            dic = detail
Lorry.pop(id)
for detail in temDetails4:
   print("ID", temDetails4.index(detail), "name: ",
for detail in temDetails4:
```

Conclution

In future this program will be improved .