Online Parking System

MID TERM REPORT

by

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1.1 Introduction-

As the name implies, Online Parking System

Comes handy to everyone i.e., this can be widely useful in universities, movie theatres, hospitals other crowded places and concerts as well. This online parking system helps most of the busy people so easy to park their vehicles and find them quickly

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1.   A SIMPLE EXAMPLE. It overcomes the problem of finding a parking space in commercial areas that unnecessarily consumes time.

2.   Identify Entities. The entities in this system are vehicle, parking lots available .

3.   Find Back up/adjustment. We construct the following Entity Adjustment Matrix:

4.   Draw Rough ERD.

5.   Fill in Cardinality.

6.   Define Primary Keys.

7.   Draw Key-Based ERD. Identify Attributes.

1.2   Background

We use simple code not advance to implement the project "Online Parking System".

In this project just like query management it is ask the information and implement your adjustment with it.

The background section should discuss your findings in a chronological manner to accentuate the progress in the field and the missing points that need to be addressed.

The background should be written as a summary of your interpretation of previous research and what

your study proposes to accomplish.

1.3 Motivation

Unlike most tangible project management
functions, motivation is not designated by
the project manager to a team member,
instead motivation is internal to each team member and
derived from a team member's desire to achieve a goal,
accomplish a task, or work toward expectations.

1.4 Goals and Objectives

Goals   are high level statements that provide overall

context for what the project is trying to achieve, and
should

align to business goals. Objectives are lower level

statements that describe the specific, tangible products

and deliverable   that the project will deliver.

2. Description

In relationship identification system ask the information to user then implement the relation with particular person.

3. Work Division

We divide code of four part and individually done each one.

3.1 Sai Pranup(65)-

first make the basic idea of the project

Code the first part

Make Project Report

Add , implement the Whole code with system

Make the Flow chart

3.2 K.B.Revath(63)-

Code the second part

And how all part of code implement with each other

Make Gantt chart

Make the Flow chart

3.3 Vivek Roa(40)-

Code the Third part of the project

Supervisor of the project

Decide & assign the the to each group member

Implement that project is work on database or simple

make make basic change in project.

3.4 Rajashekar(38)

Code of the fourth part

Decide the how project work finely

A lead Character in project

  Implement that project is work on database or simple

4.1   Implementation of work of project

Technologies and frame work used

Python: All the validation task and animations has been developed by JavaScript.

<u>Swot Analysis achieved in the project:</u>

Strengths:

- Unique Service webpage.
- Can be scaled up nationally and globally.
- Innovative webpage that will make finding a reasn lot quick, cheap and easy.
- print('¥t¥tWelcome to AI parking')
- car=input("Enter Car price for parking: ")
- car=int(car)
- bike=input("Enter Bike price for parking: ")
- bike=int(bike)
- truck=input("Enter Truck price for parking: ")
- truck=int(truck)
- bicycle=input("Enter Bicycle price for parking: ")
- bicycle=int(bicycle)
- bus=input("Enter Bus price for parking: ")
- bus=int(bus)
- maxx=input("Enter Maximum Parking Slots: ")
- print('¥n*************')
- maxx=int(maxx)
- total=0
- tcar=pcar=tbike=pbike=ttruck=ptruck=tbicycle=pbicycle=tbus=pbus =tslot=0
- tslot=maxx
- while maxx:
-      print(f'Total Slots are {tslot}¥t¥tFree Slots are {maxx}¥n')

- vehicle=input("which vehile you want to park?¥nEnter 1 for Car¥nEnter 2 for Bike¥nEnter 3 for Truck¥nEnter 4 for Bicycle¥nEnter 5 for Bus¥nEnter 6 to view record ¥nEnter 7 to delete record¥n")
- print('¥n************')
- vehicle=int(vehicle)
- if vehicle==1:
-     total+=car
-     tcar+=1
-     pcar+=car
- elif vehicle==2:
-     total+=bike
-     tbike+=1
-     pbike+=bike
-
- elif vehicle==3:
-     total+=truck
-     ttruck+=1
-     ptruck+=truck
-
- elif vehicle==4:
-     total+=bicycle
-     tbicycle+=1
-     pbicycle+=bicycle
-
- elif vehicle==5:
-     total+=bus
-     tbus+=1
-     pbus+=bus
-
- elif vehicle==6:
-     print(f'Total Cars:{tcar}¥t¥tCars total price:{pcar}¥nTotal Bikes{tbike}¥t¥tBikes total price:{pbike}¥nTotal

trucks:{ttruck}¥t¥tTrucks total price:{ptruck}¥nTotal Bicycle:{tbicycle}¥t¥tBicycles total price:{pbicycle}¥nTotal Bus:{tbus}¥t¥tBusses total price:{pbus}¥n')

- print('¥n*************')
- maxx+=1
- elif vehicle==7:

- tcar=pcar=tbike=pbike=ttruck=ptruck=tbicycle=pbicycle=tbus=pbus=0

- maxx=tslot+1
- else:
- print('Sorry, please Select from the above...............')
- maxx-=1
- if maxx==0:
- print('Slots are Full')
- print(f'total price for parking vehicles is {total}')
- Has no competitor's in the local/community/city.
- Relatively cheap service webpage.
- Trial Version will allow users to know if they want to use the service.

Weaknesses:
- Inexperienced management and clients.
- High cost start-up and promotion.
- High chance of malfunctions, glitches or bugs.
- Not everyone can use this service as it is available to limited places only.

Opportunities:
- Expand nationally and internationally.
- Implement social media to help and promote the service.
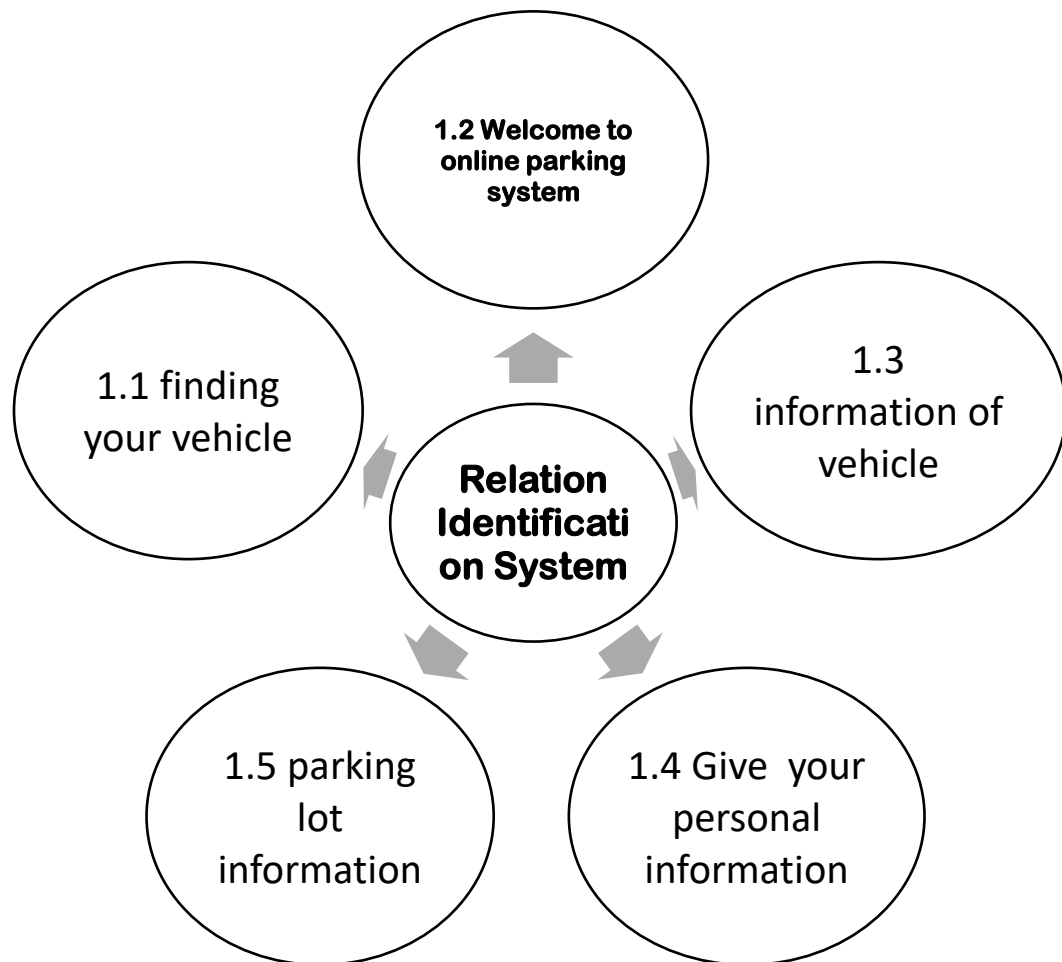- In App and wen advertising (Major revenue source).

- Establish a good and reliable service app and improve it as much as possible.
- Population Growth leading to more vehicles and hence is most useful service.

Threats:

- Limited financial funding for start-up costs and launch of app.

- New competitors are likely to provide same service in other cities.

- Government and ACCC regulations.

- Lobbying groups influencing consumer perceptions.

- Parking space availability.

- System crashes/ Server issues solution.

DATA FLOW DIGRAM

- ZERO LEVEL Relationship Identification   System DFD

Code of the Online Parking System :

```
print('¥t¥tWelcome to AI parking')
car=input("Enter Car price for parking: ")
car=int(car)
bike=input("Enter Bike price for parking: ")
bike=int(bike)
truck=input("Enter Truck price for parking: ")
```

```python
truck=int(truck)
bicycle=input("Enter Bicycle price for parking: ")
bicycle=int(bicycle)
bus=input("Enter Bus price for parking: ")
bus=int(bus)
maxx=input("Enter Maximum Parking Slots: ")
print('\n*************')
maxx=int(maxx)
total=0
tcar=pcar=tbike=pbike=ttruck=ptruck=tbicycle=pbicycle=tbus=pbus=t
slot=0
tslot=maxx
while maxx:
    print(f'Total Slots are {tslot}\t\tFree Slots are {maxx}\n')
    vehicle=input("which vehile you want to park?\nEnter 1 for
Car\nEnter 2 for Bike\nEnter 3 for Truck\nEnter 4 for Bicycle\nEnter 5
for Bus\nEnter 6 to view record \nEnter 7 to delete record\n")
    print('\n************')
    vehicle=int(vehicle)
    if vehicle==1:
        total+=car
        tcar+=1
        pcar+=car
    elif vehicle==2:
        total+=bike
        tbike+=1
        pbike+=bike

    elif vehicle==3:
        total+=truck
        ttruck+=1
        ptruck+=truck
```

```
    elif vehicle==4:
        total+=bicycle
        tbicycle+=1
        pbicycle+=bicycle

    elif vehicle==5:
        total+=bus
        tbus+=1
        pbus+=bus

    elif vehicle==6:
        print(f'Total Cars:{tcar}\t\tCars total price:{pcar}\nTotal
Bikes{tbike}\t\tBikes total price:{pbike}\nTotal
trucks:{ttruck}\t\tTrucks total price:{ptruck}\nTotal
Bicycle:{tbicycle}\t\tBicycles total price:{pbicycle}\nTotal
Bus:{tbus}\t\tBusses total price:{pbus}\n')
        print('\n*************')
        maxx+=1
    elif vehicle==7:

tcar=pcar=tbike=pbike=ttruck=ptruck=tbicycle=pbicycle=tbus=pbus=0
                maxx=tslot+1
    else:
        print('Sorry, please Select from the above................')
    maxx-=1
    if maxx==0:
        print('Slots are Full')
print(f'total price for parking vehicles is {total}')
```