

PARK-&-PATCH
SERVICES



Introduction:

**Today we're going to share
a simple, but effective idea
for improving the lives of
motorists everywhere. :)**

The problem?

Cars require a lot of care.

As a motorist, you have to routinely visit several different establishments on a regular basis to keep your vehicle in good shape.

That's a lot of time-spent, a lot of inconvenience-accrued, and, ironically, a lot of strain on your beloved mode of transportation...



The solution?

Combine!



We make things easier for people by providing a one-stop solution for both parking and the everyday 'quick fixes' cars require.

Park your car for the day while also having our professionals handle the everyday services vehicles incur.

When you come back, the services are added to your parking fees in one convenient invoice. Our program handles the process of preparing that invoice.



Some examples of 'quick-fix' services

- Refueling
- Oil change
- Car wash
- Tire-change
- Coolant change

How it works..

Step 1

When a customer comes to park their car, they're presented with different options for 'quick-fix' services. For example, say that they want to do some shopping while having their oil changed and tires rebalanced.



Step 2

Once the customer registers their vehicle, their information and requested-jobs are passed to our skilled team of professionals, who take care of the services while the customer heads to the mall.



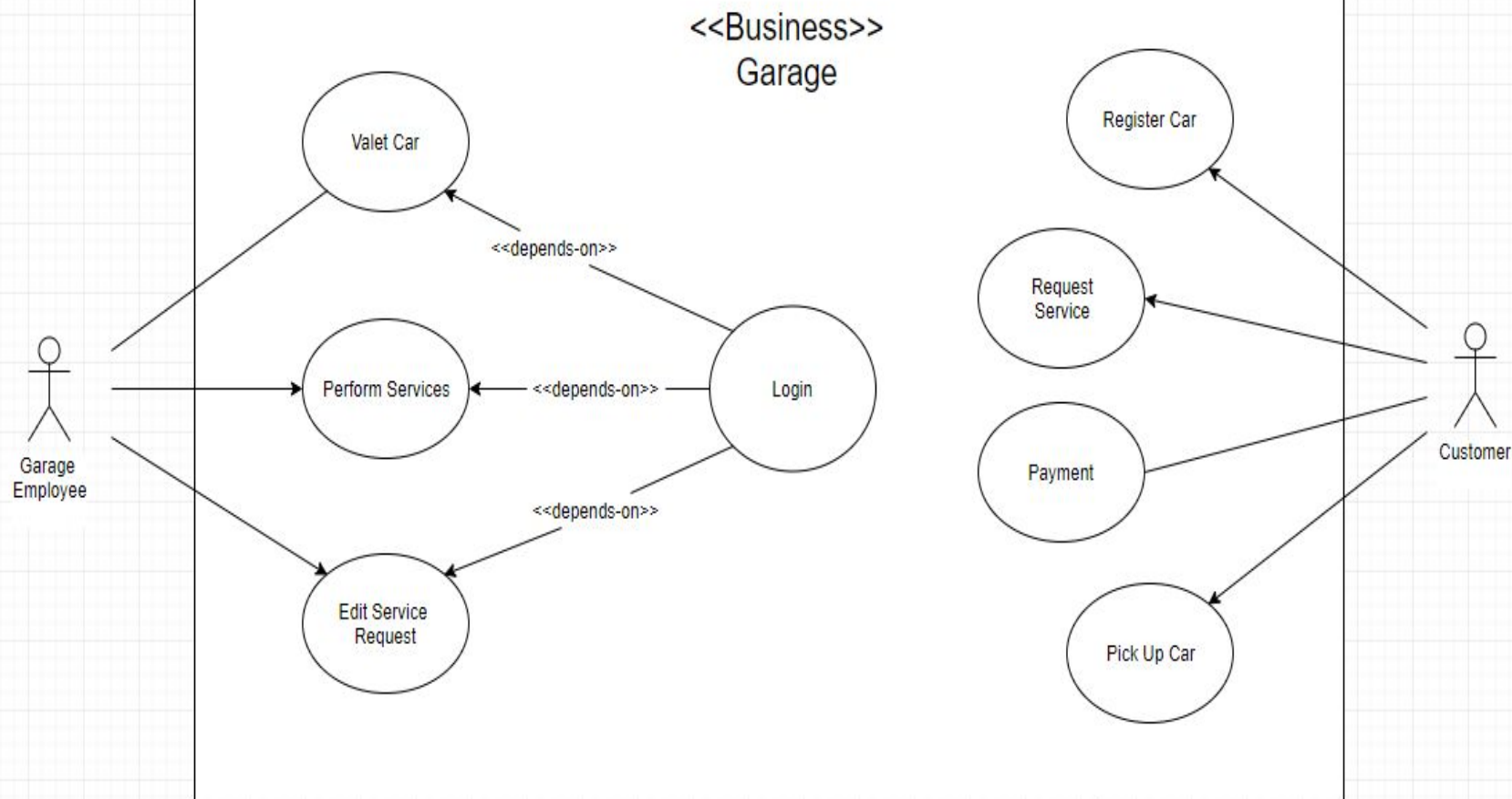
Step 3

When the customer returns, our system calculates the parking and services fees into one convenient bill.

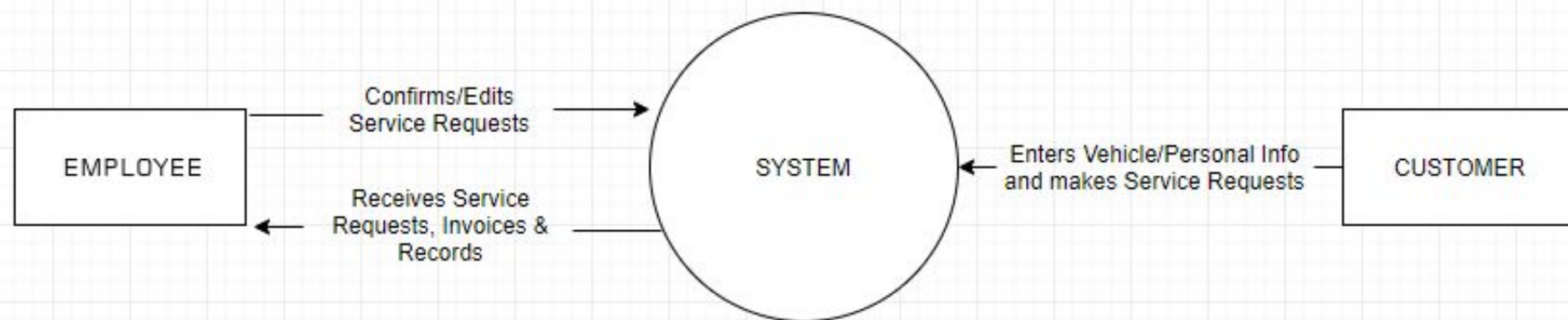
Let's hit the road!



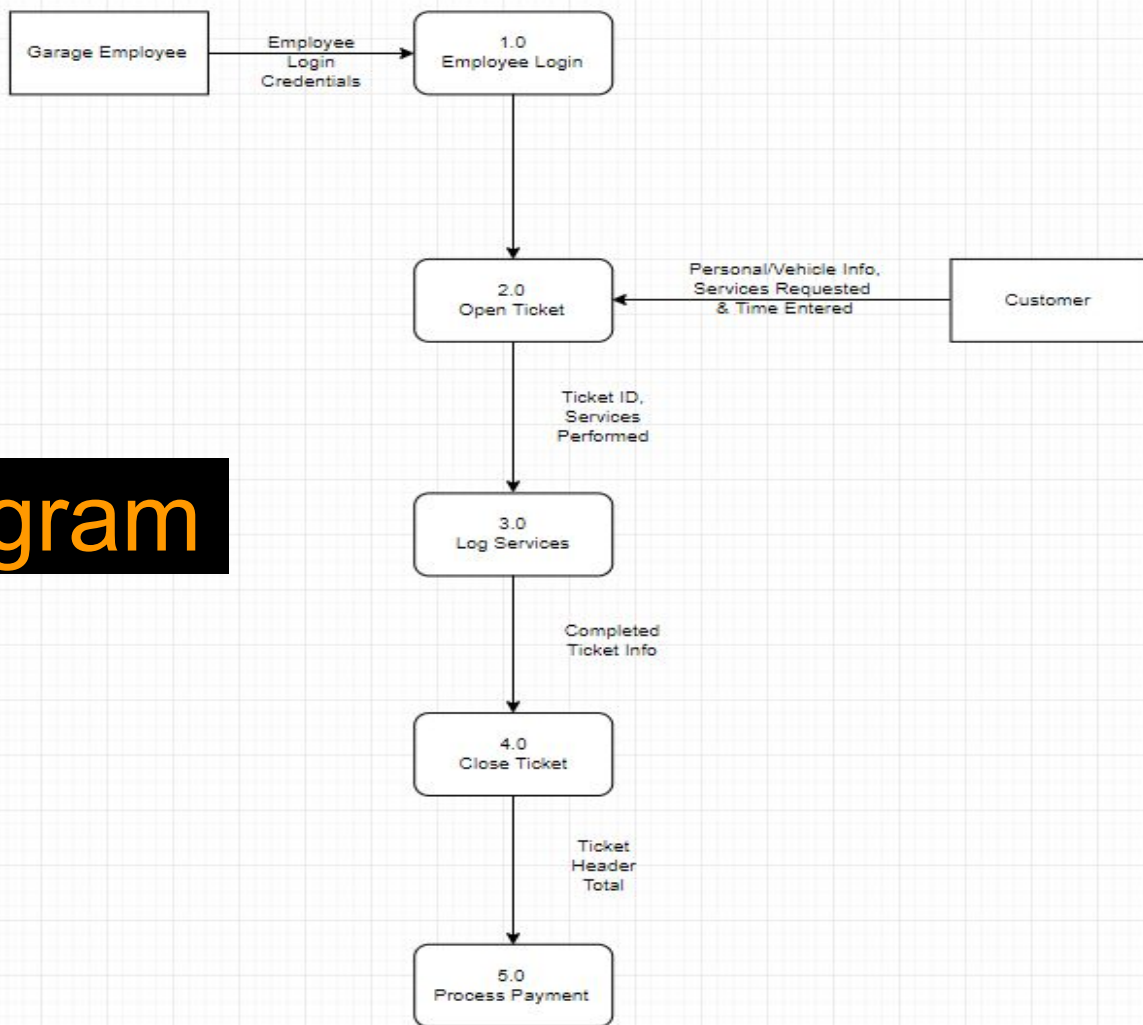
Use Case Diagram



Context Diagram



DFD Lvl 1 Diagram



Project_ASE (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Process: [11500] Project_ASE.exe Lifecycle Events Thread: [12692] Main Thread Stack Frame: Project_ASE.Register.btnRegister_Click

Receipt.vb

Project_ASE

104
105
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124
125
126
127
128

Watch 1

Name

DataGridV
DataGridV
Sexception
Sexception
Sexception

Autos Locals Watch 1

Register to Park Your Car

WELCOME TO THE PARK

First Name: Yuriy

Last Name: Yarytskyy

License Plate No.: 763AZK

Drivers Licence No.: 114112

Contact No.: 2032763344

Select Services

☒ Oil Change ☒ Tire Change

☒ Coolant Change ☒ Car Wash

Register Clear Pick Car

login

Username: username

Password: *****

Login

Diagnostic Tools

Diagnostics session: 3:10 minutes

3:00min

Events

Process Memory (MB)

CPU (% of all processors)

Summary Events Memory Usage CPU Usage

Events

Show Events (0 of 0)

Memory Usage

Take Snapshot

CPU Usage

Record CPU Profile

Error List ...

Entire Solution 0 Errors

Search Error List

Code Description Project

Call... Bre... Exc... Co... Im... Out... Error...

Ready

Add to Source Control

Type here to search

12:59 PM 6/18/2018

Project_ASE (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Quick Launch (Ctrl+Q) Yuriy Yarytskyy YY

Process: [1] OwnersWindow

Receipt.vb

Project_AS

TicketHeaderID	TicketHeaderCustF	TicketHeaderCustL	TicketHeaderCustC	TicketHeaderCustE	TicketHeaderCustF	TicketHeaderServ	TicketHeaderTimeI
26726	John	Wanat	44632	1162	2032034523	Collant Serv. Tire...	1/1/0001 11:25:...
150558	Yuriy	Yarytskyy	547576	6546	203237657	OilChange, Colla...	1/1/0001 11:21:...
546595	Phill	Jaja	54236	23765	2033434523	Collant Serv. Tire...	1/1/0001 11:27:...
877726	Peter	Johnson	44622	38162	2032034567	Collant Serv. Car...	1/1/0001 11:24:...
1527936	John	Doe	773721	66432	623867782	CarWash	1/1/0001 12:53:...
2624576	Yuriy	Yarytskyy	763AZK	114112	2032763344	OilChange, Colla...	1/1/0001 12:58:...
5384576	Yuriy	Yarytskyy	763AZK	234112	2032763344	OilChange, Colla...	1/1/0001 12:56:...

Receipt

Check Out

☒ Coolant Change ☒ Car Wash

Register Clear Pick Car

Watch 1

Name

DataGridV

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Sepection

Sepection

Autos Locals Watch 1

Memory Usage

Take Snapshot

CPU Usage

Record CPU Profile

Error List ...

Entire Solution

Search Error List

Code Description Project

Call... Bre... Exc... Co... Im... Out... Error...

Ready

Type here to search

12:59 PM 6/18/2018

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Process: [11500] Project_ASE.exe Lifecycle Events Thread: [12692] Main Thread Stack Frame: Project_ASE.Register.btnRegister_Click

Receipt.vb

Project_ASE

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Watch 1

Name

DataGridV
DataGridV
Sexception
Sexception
Sexception

Violation of PRIMARY KEY constraint 'PK_tbl_TicketHeader'. Cannot insert duplicate
Violation of PRIMARY KEY constraint 'PK_tbl_TicketHeader'. Cannot insert duplicate
Violation of PRIMARY KEY constraint 'PK_tbl_TicketHeader'. Cannot insert duplicate

System.Data.SqlClient.SqlEx
System.Data.SqlClient.SqlEx
System.Data.SqlClient.SqlEx

Autos Locals Watch 1

Ready

Type here to search

1:01 PM 6/18/2018

Receipt

Receipt of Service:-

Your Token Number is: 2624576

First Name: Yuriy

Last Name: Yarytskyy

License Plate No.: 763AZK

Drivers Licence No.: 114112

Contact No.: 2032763344

Selected Service.: OilChange, CollantServ, TireServ, CarWash

In Time: 1/1/0001 12:58:34 PM

Diagnostic Tools

session: 5:14 minutes

5:10min

memory (MB)

22

0

100

all processors)

Events Memory Usage CPU Usage

events (0 of 0)

age

snapshot

CPU Profile

Error List ...

Entire Solution 0 Errors

Search Error List

Code Description Project

Call... Bre... Exc... Co... Im... Out... Erro...

Project_ASE (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Process: [11500] Project_ASE.exe Lifecycle Events Thread: [12692] Main Thread Stack Frame: Project_ASE.Register.btnRegister_Click

Register to Park Your Car

Diagnostic Tools

FinalBill

Final Bill of Service:-

Your Token Number is: 2

First Name: Yuriy

Last Name: Yarytskyy

License Plate No.: 763AZK

Drivers Licence No.: 114112

Contact No.: 2032763344

Selected Service.: Oil Change, Coolant Change, Tire Change, Car Wash,

In Time: 12:00:00 AM

Out Time: 1:02:04 PM

Total Time: 2

Service Charges: 480

Parking Charges: 0.3

Total Charges: 480.3

THANK YOU!!!

Watch 1

Name

DataGrid1

DataGrid2

Sexcept

Sexcept

Sexcept

Autos Locals

Ready

Type here to search

1:02 PM 6/18/2018



Phil
Jaja

Project Leader, User and
Analyst



Peter
Johnson

Designer, User and
Analyst



Prathamesh
Badhan

Designer, User and
Builder



Yuriy
Yarytskyy

User, Builder and
Analyst

DEMO TIME!