



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology and Engineering

Fall Semester 2018-19

CAR WORKSHOP BILLING SYSTEM

PROJECT REPORT

Submitted in fulfilment for the J-Component of ITA3001 – OBJECT ORIENTED PROGRAMMING

CAL COURSE

in

B.C.A

by

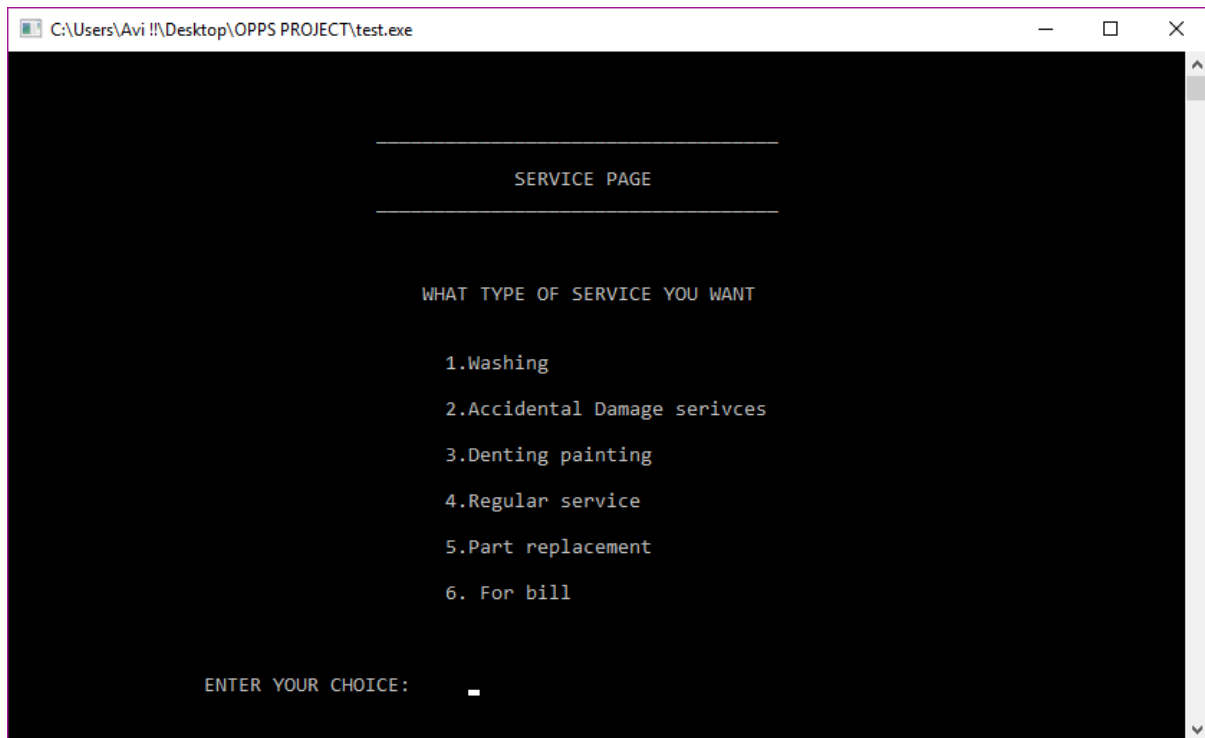
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Under the guidance of

Prof. BRATH P

SITE

OUTPUTS:



PROGRAM CODE:

```
#include<iostream>
#include<fstream>
#include<string.h>
#include<conio.h>
#include <stdlib.h>
using namespace std;

class vehicle
{
    public:
    char name_c[34],cno,add_c[20],c,ph[10],idno[5];
```

```
int chrep,chpp,choice,choice1,chh,tcost=0;
```

```
string s1;
```

```
vehicle(){
```

```
    char          name_c[]="xyz";
```

```
    char   add_c[]="new customer";
```

```
    char   ph[]="xxxxxxxxxx";
```

```
    char   idno[]="00000";
```

```
}
```

```
void customer_d()
```

```
{
```

```
cout<<"\n\t\t\t\t Enter customer's name: \t ";
```

```
cin>>name_c;
```

```
cout<<"\n\t\t\t\t Enter address:          \t";
```

```
cin>>add_c;
```

```
cout<<"\n\t\t\t\t Phone number:          \t";
```

```
cin>>ph;
```

```
cout<<"\n\t\t\t\t Car number :          \t";
```

```
cin>>idno;      }
```

```
void show()
```

```
{
```

```
    cout<<"\n\t\t\t\t customer's name:\t ";
```

```
cout<<name_c;
```

```
cout<<"\n\t\t\t\t address:\t ";
```

```
cout<<add_c;
```

```
cout<<"\n\t\t\t\t Phone number:\t ";
```

```
cout<<ph;
```


[illegible]

```

        cout<<"\n\n\t\t\t\t\t _____ \n\n";
        cout<<"\t\t\t\t\t ACCIDENTAL PAGE \n";
        cout<<"\t\t\t\t\t _____ \n";


        cout<<"\n\n\t\t\t\t\t00Ps! Your vehicle got a accidental
damage \n\n";

        cout<<"\n\t\t\t\t\tOnly these things should be recovered : \n\n";
        cout<<"\n\t\t\t\t\t TYPE\t\t\t\t\t COST";
        cout<<"\n\t\t\t\t\t
_____ \n
";

        cout<<"\n\t\t\t\t\t 1.liquid leakage
$500\n";

        cout<<"\n\t\t\t\t\t 2.Electrical fuse
$1000\n";

        cout<<"\n\t\t\t\t\t 3.Damaged headlight
$1200\n";

        cout<<"\n\t\t\t\t\t 4.Break fail
$2000\n";

        cout<<"\n\n\t\t\t CHARGES will be taken if your vehicle is out
of insurancy policy: \n";


        cout<<"\n\n\t\t\tENTER YOUR CHOICE :\t";


        cin>>choice1;

switch(choice1)
{
    case 1: s1+="\n\t\t\t\t\t liquid leakage
$500";

            tcost+=500;

            break;

    case 2: s1+="\n\t\t\t\t\t Electrical fuse
$1000";

            tcost+=1000;

            break;

```

```
case 3: s1+="\n\t\t\t\t\t Damaged headlight  
$1200";
```

```
tcost+=1200;
```

```
break;
```

[illegible]

```
tcost+=2000;
```

```
break;
```

```
default: {
```

```
        cout<<"\n\n\t\t\tWRONG INPUT\t Please try  
again!!!!!!!!!\n\n\t\t\t";
```

```
system("pause");
```

```
goto flagw;
```

```
break;
```

}

}

flagc:

```
cout<<"\n\t\t\t"
```

```
cout<<"\n\t\t\t Press 1 to choose once again.....";
```

```
cout<<"\n\t\t\t Press 2 to return to main menu.....";
```

```
cout<<"\n\t\t\t Press 0 to exit!!!";
```

```
cin>>chh;
```

```
if(chh==1)
```

```
{  accident();      }
```

```
else if(chh==2) {    services(); }
```

```
else { cout<<"wrong input";
```

```
goto flagc;
```

}

[illegible]

[illegible]

[illegible]

[illegible]

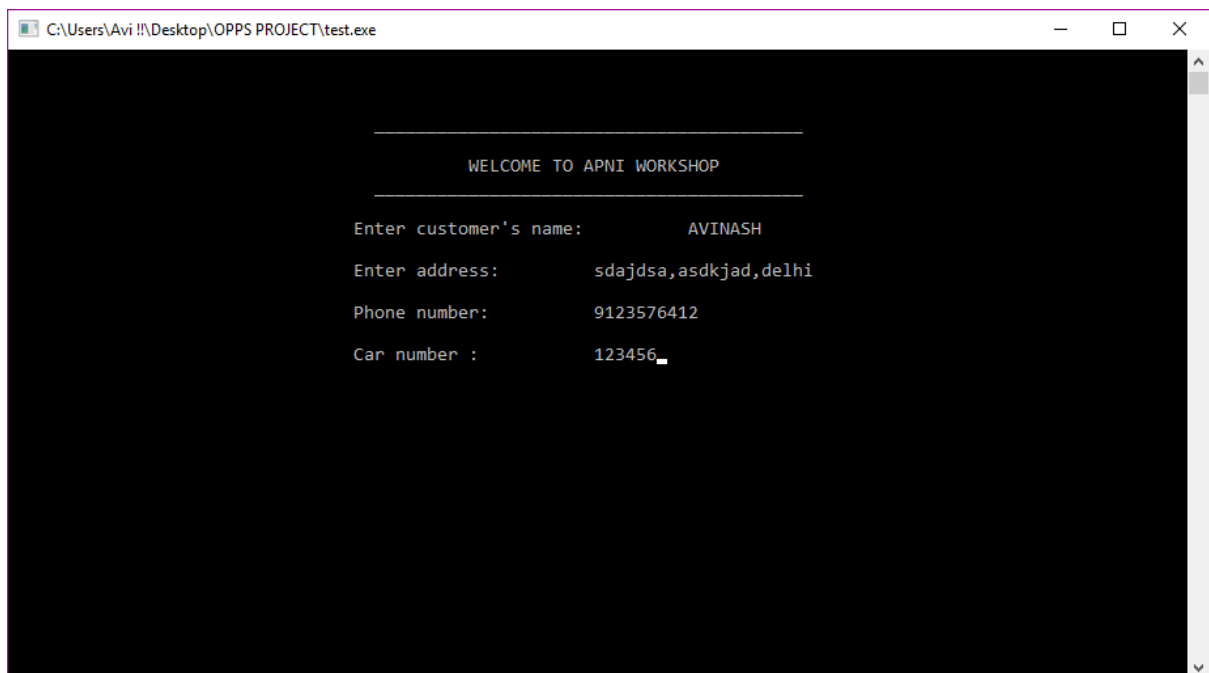
[illegible]

```
flagc:  
        cout<<"\n\t\t\t\t\n";  
  
    cout<<"\n\t\t\t\t Press 1 to choose once again.....";  
    cout<<"\n\t\t\t\t Press 2 to return to main menu.....";  
    cout<<"\n\t\t\t\t Press 0 to exit!!!";  
    cin>>chh;  
    if(chh==1)  
        { part();          }  
        else if(chh==2) {   services(); }  
        else { cout<<"wrong input";  
                goto flagc;  
            }      }  
  
void service::regular()  
{  
    system("cls");  
        cout<<"\n\t\t\t\t\t\t\t\t\t\t\n\n";  
_____  
    cout<<"\t\t\t\t\t\t\t REGULAR SERVICE \tn";  
    cout<<"\t\t\t\t\t\t\t _____\tn";  
    cout<<"\n\n\n\t\t\t We will provide you these services in this  
PACKAGE:";  
    cout<<"\n\n\t\t\t 1.Car washing\n\t\t\t 2.denting painting  
\n\t\t\t 3.polishing and oiling greasing ";  
    cout<<"\n\n\n\t\t\t Press any key to opt this: ";  
    cin>>c;  
        s1+="\n\t\t\t\t Reg service  
$5000";  
  
    tcost+=5000;  
  
    flagc:
```

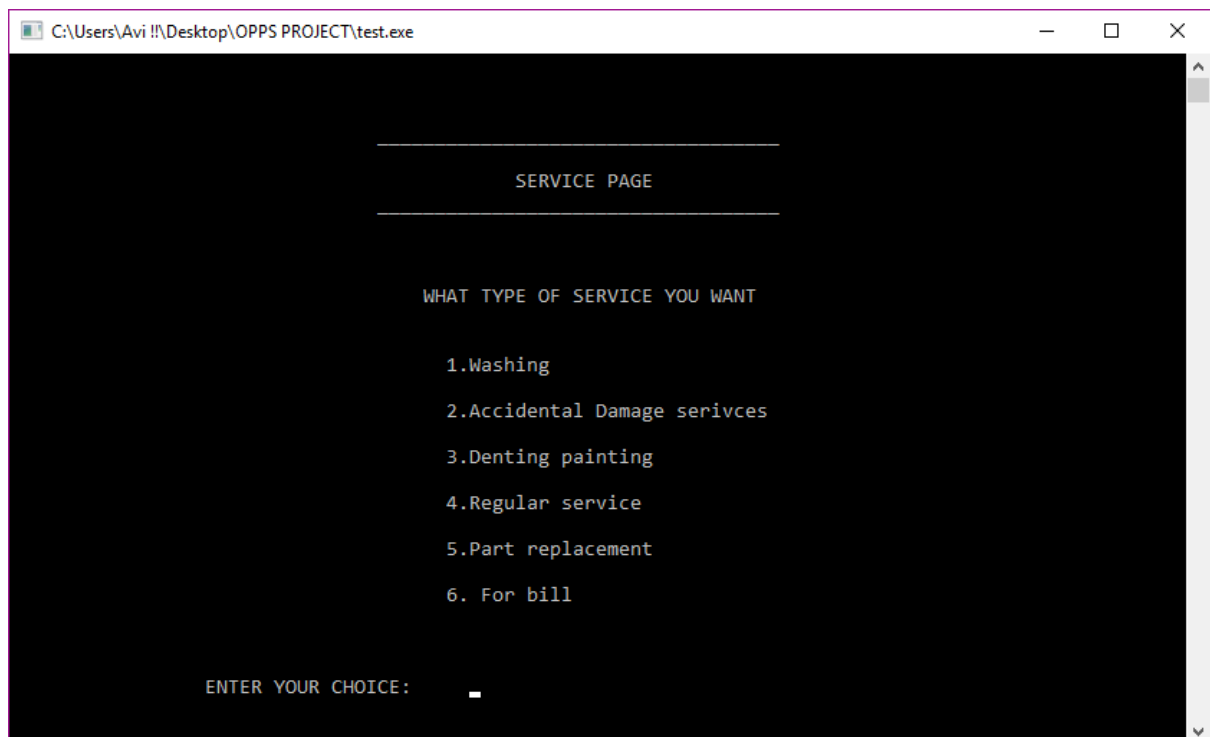
```
cout<<"\n\t\t\t\t";  
_____  
";  
  
    cout<<"\n\t\t\t\t Press 1 to choose once again.....";  
    cout<<"\n\t\t\t\t Press 2 to return to main menu.....";  
    cout<<"\n\t\t\t\t Press 0 to exit!!!";  
    cin>>chh;  
    if(chh==1)  
        { regular();      }  
    else if(chh==2) { services(); }  
    else { cout<<"wrong input";  
          goto flagc;  
        }  
}  
  
void service::billing()  
{ system("cls");  
  cout<<"\n\t\t\t\t\t\t\t\t YOUR BILL \n";  
  cout<<"\t\t\t\t\t\t\t _____\n";  
  show();  
  cout<<"\n\t\t\t\t SERVICES\t\t\t\t\t COST";  
  cout<<"\n\t\t\t\t  
_____\n";  
  cout<<s1;  
  cout<<"\n\t\t\t\t  
_____\n";  
  cout<<"\n\t\t\t\t\t\t TOTAL COST:\t\t\t\t$"<<tcost;  
  cout<<"\n\n\t\t\tThankyou for visiting: ";  
  cout<<"\n\t\t\tHoping you are satisfied and happy with the  
service";  
}
```

```
cout<<"\t\t\t\t\t WELCOME TO APNI WORKSHOP \n";  
cout<<"\t\t\t\t\t \n";
```

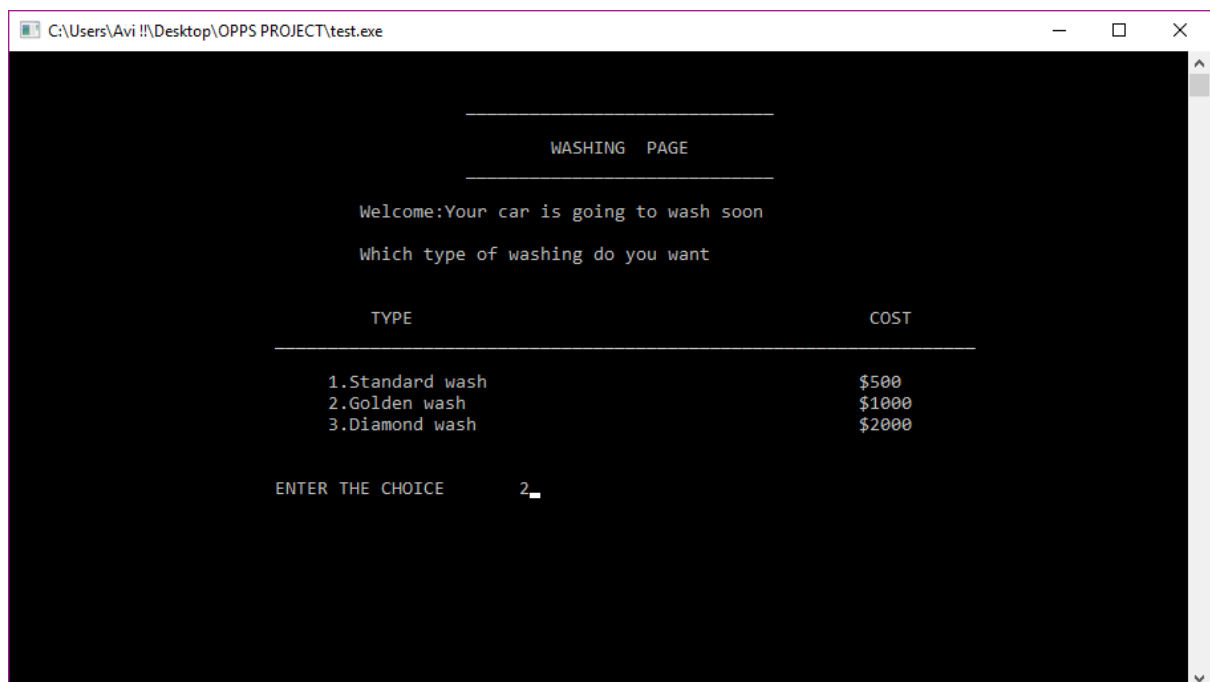
CUSTOMER DETAILS:



MENU PAGE:



WASHING:




```
C:\Users\Avi !\Desktop\OPPS PROJECT\test.exe

WASHING PAGE

Welcome:Your car is going to wash soon

Which type of washing do you want

TYPE COST
1.Standard wash $500
2.Golden wash $1000
3.Diamond wash $2000

ENTER THE CHOICE 2

Press 1 to choose once again.....
Press 2 to return to main menu.....
Press 0 to exit!!!
```

ACCIDENTAL:

```
C:\Users\Avi !\Desktop\OPPS PROJECT\test.exe

ACCIDENTAL PAGE

OOPs! Your vehicle got a accidental damage

Only these things should be recovered :

TYPE COST
1.liquid leakage $500
2.Electrical fuse $1000
3.Damaged headlight $1200
4.Break fail $2000

CHARGES will be taken if your vehicle is out of insurancy policy:

ENTER YOUR CHOICE : 2

Press 1 to choose once again.....
Press 2 to return to main menu.....
Press 0 to exit!!!_
```

PAINTING:

```
C:\Users\Avi !\Desktop\OPPS PROJECT\test.exe

PAINTING PAGE

Welcome:Your car is going to be painted soon

TYPE                                COST
-----
1.Same color                        $1000
2.Red                               $1000
3.Black                             $1000

ENTER THE CHOICE FOR PAINTING 3

Press 1 to choose once again.....
Press 2 to return to main menu.....
Press 0 to exit!!!_
```

REGULAR SERVICE:

```
C:\Users\Avi !\Desktop\OPPS PROJECT\test.exe

REGULAR SERVICE

We will provide you these services in this PACKAGE:

1.Car washing
2.denting painting
3.polishing and oiling greasing

Press any key to opt this: D

Press 1 to choose once again.....
Press 2 to return to main menu.....
Press 0 to exit!!!
```

PARTS REPLACEMENT:

```
C:\Users\Avi !!\Desktop\OPPS PROJECT\test.exe

PART REPLACEMET PAGE

Which part you want to replace:

TYPE                                COST
-----
1.Window glass                      $1000
2.Door                              $5000
3.Stearing                          $2000
4.Mirrors                           $2500
5.Wheel                             $4000

ENTER YOUR CHOICE:    4

Press 1 to choose once again.....
Press 2 to return to main menu.....
Press 0 to exit!!!_
```

BILL:

```
C:\Users\Avi !!\Desktop\OPPS PROJECT\test.exe

YOUR BILL

customer's name:    AVINASH
address:    sdajdsa,asdkjad,delhD9123576412123456@
Phone number:    9123576412123456@
Car number: 123456@

SERVICES                                COST
-----
Golden wash                            $1000
Electrical fuse                        $1000
Black                                  $1000
Red                                    $1000
Reg service                            $5000
Mirrors                                $2500

TOTAL COST:                            $11500

Thankyou for visiting:
Hoping you are satisfied and happy with the service
-----
Process exited after 457.6 seconds with return value 0
Press any key to continue . . . _
```

