

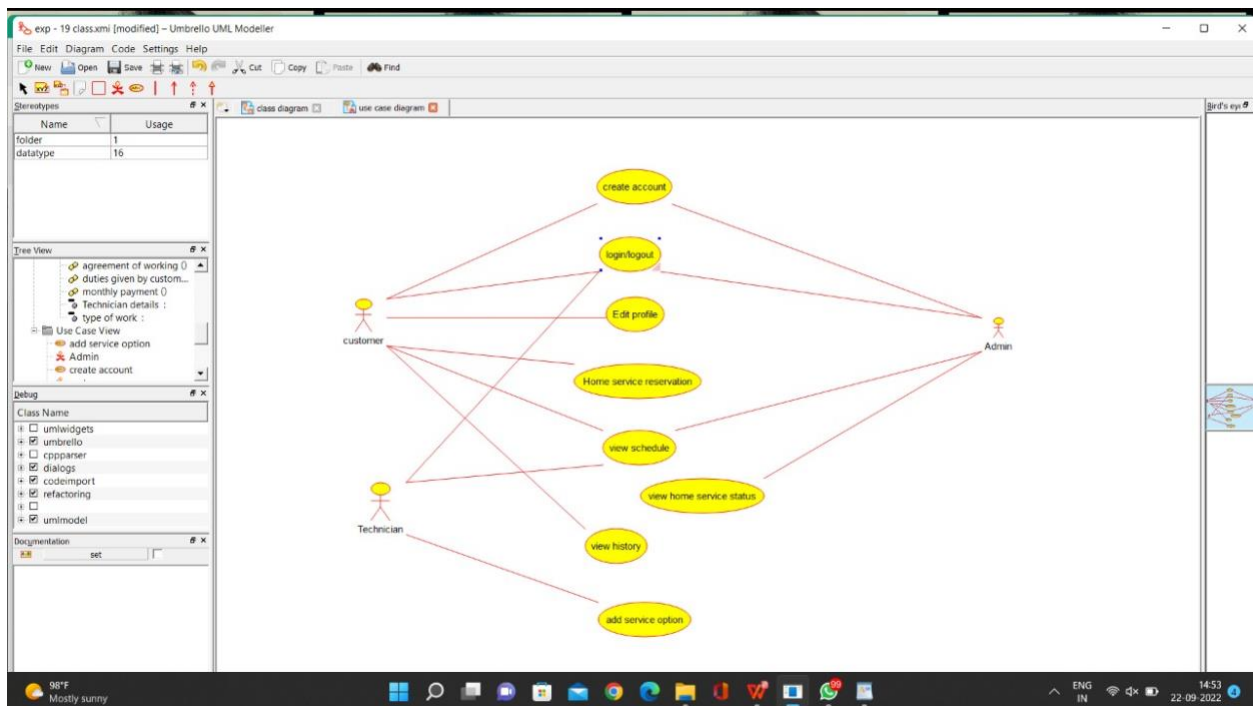
Name:B.Aravinda Valli

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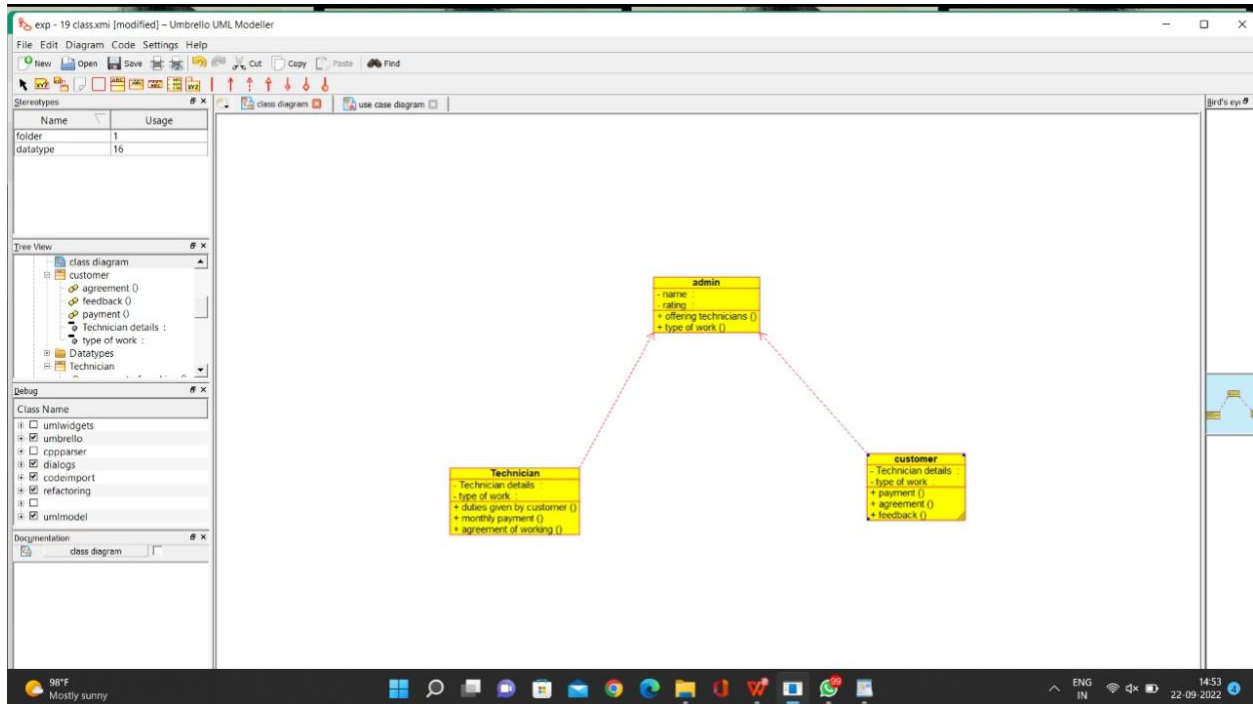
Experiment-19

Home service system

USE CASE DIAGRAM:



CLASS DIAGRAM:



#

coding=Sy

stem

class

admin(ob

ject):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

name_

(private)

rating_

(private)

"""

```
def
offering_t
echnician
s_(self):
    """
```

```
@return
:
```

```
@author
    """
    pass
```

```
def
type_of_
work_(sel
f):
    """
```

@return

:

@author

""

pass

#

coding=Sy

stem

from

PAYMENT

import *

class

BANK(obj

ect):

""

:version:

:author:

""

""

ATTRIBUT

ES

account_

no_

(private)

account_t

ype_

(private)

#

coding=Sy

stem

from

PAYMENT

import *

class

CASH_ON

_DELIVER

Y(object):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

customer
name
(private)

customer
_address
—
(private)

amount_
(private)

""""

def
updates_t
he_mode
_of_paym


```
ent_(self)
```

```
:
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
#
```

```
coding=Sy
```

```
stem
```

```
from
```

```
SYSTEM
```

```
import *
```

```
from
```

```
RESTAUR
```

```
ANT
```

```
import *
```

class

CUSTOME

R(object):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

ID_

(private)

"""

```
def
login_(sel
f):
    """
```

```
@return
:
```

```
@author
    """
    pass
```

```
def
select_res
aurant_(
self):
    """
```

```
@return
:
```

@author

"""

pass

def

place_ord

er_(self):

"""

@return

:

@author

"""

pass

def

payment_

(self):

"""

@return

:

@author

""

pass

#

coding=Sy

stem

from

PERMISSI

ON_CLAS

S import

*

class

CUSTOME

R_CLASS

(PERMISSI

ON_CLAS

S):

""

:version:

:author:

""

""

ATTRIBUT

ES

ID

(private)

name

(private)

```
mobile_a  
nd_addre  
ss  
(private)
```

```
"""
```

```
def  
add_cust  
omer_(sel  
f):
```

```
"""
```

```
@return  
:
```

```
@author
```

```
"""
```

```
pass
```

```
def
edit_cust
omer_(sel
f):

    """
```

```
@return
:
```

```
@author

    """

    pass
```

```
def
delete_cu
stomer_(s
elf):

    """
```


@return

:

@author

""

pass

def

search_cu

stomer_(s

elf):

""

@return

:

@author

""

pass

```
#  
coding=Sy  
stem
```

```
class  
DRIVING_  
LICENSE_  
CLASS(obj  
ect):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
"""
```

```
ATTRIBUT  
ES
```

```
type_  
(private)
```

```
name_  
(private)
```

```
ID  
(private)
```

```
"""
```

```
def  
add_drivi  
ng_licens  
e_(self):  
"""
```

@return

:

@author

"""

pass

def

edit_drivi

ng_licens

e_(self):

"""

@return

:

@author

"""

pass

```
def
delete_dr
iving_lice
nse_(self)
:
"""
```

```
@return
:
```

```
@author
"""
pass
```

```
def
search_dr
iving_lice
nse_(self)
:
"""
```

@return

:

@author

""

pass

#

coding=Sy

stem

class

DRIVING_

LICENSE_

CLASS(obj

ect):

""

:version:

:author:

""

""

ATTRIBUT
ES

type_
(private)

name_
(private)

ID
(private)

""

```
def
add_drivi
ng_licens
e_(self):
    """
```

```
@return
:
```

```
@author
    """
    pass
```

```
def
edit_drivi
ng_licens
e_(self):
    """
```


@return

:

@author

"""

pass

def

delete_dr

iving_lice

nse_(self)

:

"""

@return

:

@author

"""

pass

```
def
search_dr
iving_lice
nse_(self)
:
"""
```

```
@return
:
```

```
@author
"""
```

```
pass

#
coding=Sy
stem
```

```
class
PERMISSI
ON_CLAS
S(object):
```

""

:version:

:author:

""

""

ATTRIBUT

ES

ID_

(private)

role_

(private)

```
title_  
(private)
```

```
"""
```

```
def  
add_per  
mission_  
self):  
    """
```

```
@return  
:
```

```
@author  
    """
```

```
pass
```

```
def  
edit_per
```

```
mission_(
```

```
self):
```

```
    ""
```

```
@return
```

```
:
```

```
@author
```

```
    ""
```

```
    pass
```

```
def
```

```
delete_pe
```

```
rmission_
```

```
(self):
```

```
    ""
```

```
@return
```

```
:
```

@author

"""

pass

def

search_p

ermission

_(self):

"""

@return

:

@author

"""

pass

#

coding=Sy

stem

from

PERMISSI

ON_CLAS

S import

*

class

REGISTRA

TION_CLA

SS

(PERMISSI

ON_CLAS

S):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

ID_
(private)

customer
—
(private)

number_
(private)

name
(private)


```
type_  
(private)
```

```
"""
```

```
def  
add_regis  
tration_(s  
elf):
```

```
"""
```

```
@return  
:
```

```
@author
```

```
"""
```

```
pass
```

```
def  
edit_regis  
tration_(s  
elf):
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
def
```

```
delete_re
```

```
gistration
```

```
_(self):
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
def
```

```
search_re
```

```
gistration
```

```
_(self):
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
#
```

```
coding=Sy
```

```
stem
```

class

ROLE_CL

ASS(objec

t):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

ID

(private)

title_
(private)

descriptio
n_
(private)

"""

def
add_role_
(self):
 """

@return
:

@author

```
"""
```

```
pass
```

```
def
```

```
edit_role
```

```
_(self):
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
def
```

```
delete_ro
```

```
le_(self):
```

```
"""
```

@return

:

@author

"""

pass

def

search_ro

le_(self):

"""

@return

:

@author

"""

pass

```
def
assign_rol
e_(self):
```

```
"""
```

```
@return
:
```

```
@author
```

```
"""
```

```
pass
```

```
#
coding=Sy
stem
```

```
class
USER(obj
ect):
```

```
"""
```


:version:

:author:

"""

"""

ATTRIBUT

ES

ID_

(private)

"""

def

name_(se

lf):

"""

@return

:

@author

""

pass

def

email_(se

lf):

""

@return

:

@author

""

pass

```
def
password
_(self):
    ""
```

```
@return
:
```

```
@author
    ""
    pass
```

```
def
Cv_uploa
d_(self):
    ""
```

```
@return
:
```

@author

"""

pass

def

mobile_n

umber_(s

elf):

"""

@return

:

@author

"""

pass

#

coding=Sy

stem

from

PERMISSI

ON_CLAS

S import

*

class

VEHICLE_

CLASS(obj

ect):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

Id
(private)

type_
(private)

number_
(private)

customer
id
(private)

""

```
def
add_vehi
cle_(self):

    ""
```

```
@return

:
```

```
@author

    ""

    pass
```

```
def
edit_vehi
cle_(self):

    ""
```

```
@return

:
```

```
@author
```

```
"""
```

```
pass
```

```
def
```

```
delete_ve
```

```
hicle_(self
```

```
):
```

```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
def
```

```
search_ve
```

```
hicle_(self
```

```
):
```



```
"""
```

```
@return
```

```
:
```

```
@author
```

```
"""
```

```
pass
```

```
#
```

```
coding=Sy
```

```
stem
```

```
from
```

```
PERMISSI
```

```
ON_CLAS
```

```
S import
```

```
*
```

```
class
```

```
VEHICLE_
```

```
TYPE_CLA
```

```
SS
```

```
(PERMISSI
```

ON_CLAS

S):

"""

#

coding=Sy

stem

class

PAYMENT

(object):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

```
    amount_  
(private)
```

```
    payment_  
    option_  
(private)
```

```
    """
```

```
    def  
    accept_th  
    e_payme  
    nt_(self):  
    """
```

@return

:

@author

"""

pass

def

process_t

he_paym

ent_(self)

:

"""

@return

:

@author

"""

pass

```
def
delete_th
e_payme
nt(self):
    """
```

```
@return
:
```

```
@author
    """
```

```
pass

#
coding=Sy
stem
```

```
class
RESTAUR
ANT(obje
ct):

    """
```

:version:

:author:

"""

"""

ATTRIBUT

ES

name_

(private)

"""

def

check_th

e_order_(

self):

"""

@return

:

@author

"""

pass

def

delivered

_the_ord

er_(self):

"""

@return

:

@author

"""

pass

```
#
coding=Sy
stem

from
PAYMENT
import *
```

```
class
SODEXO_
SYSTEM(o
bject):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
"""
```

```
ATTRIBUT
ES
```


CouponN

o

(private)

"""

def

accept_co

upon_(sel

f):

"""

@return

:

@author

"""

pass

```
def
reject_co
upon_(sel
f):
```

```
"""
```

```
@return
:
```

```
@author
```

```
"""
```

```
pass
```

```
#
```

```
coding=Sy
```

```
stem
```

```
from
```

```
PAYMENT
```

```
import *
```

class

SYSTEM(o

bject):

"""

:version:

:author:

"""

"""

ATTRIBUT

ES

order_

(private)

menu_car

ds_

(private)

restauran

t_list_

(private)

customer

_id_pass

word_

(private)

payment_

```
option_  
(private)
```

```
"""
```

```
def  
updates_  
order_sta  
tus_(self):  
    """
```

```
@return  
:
```

```
@author
```

```
"""
```

```
pass
```

```
def  
updates_  
payment_
```

status_(s

elf):

"""

@return

:

@author

"""

pass

def

updates_

delivery_s

tatus_(sel

f):

"""

@return

:

@author

"""

pass

online_pa

yment_Id

_passwor

d_

(private)

"""

def

accept_th

e_payme

nt_(self):

"""

@return

:

@author

"""

pass

def

reject_th

e_payme

nt_(self):

"""

@return

:

@author

"""

pass


```
#  
coding=Sy  
stem  
  
from  
admin  
import *
```

```
class  
customer  
(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
"""
```

```
ATTRIBUT  
ES
```

Technicia

n_details

—

(private)

type_of_

work_

(private)

"""

def

payment_

(self):

"""

@return

:

@author

"""

pass

def

agreemen

t_(self):

"""

@return

:

@author

"""

pass

```
def
feedback
_(self):
    ""
```

```
@return
:
```

```
@author
    ""
    pass
```