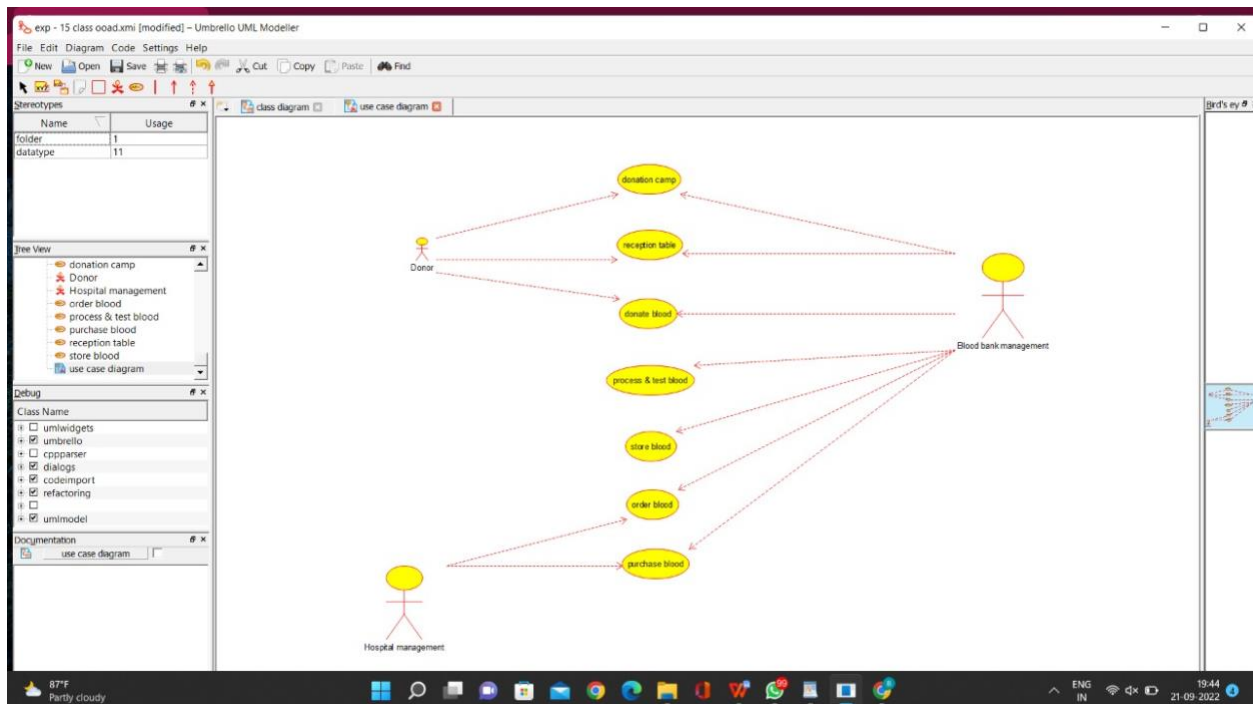


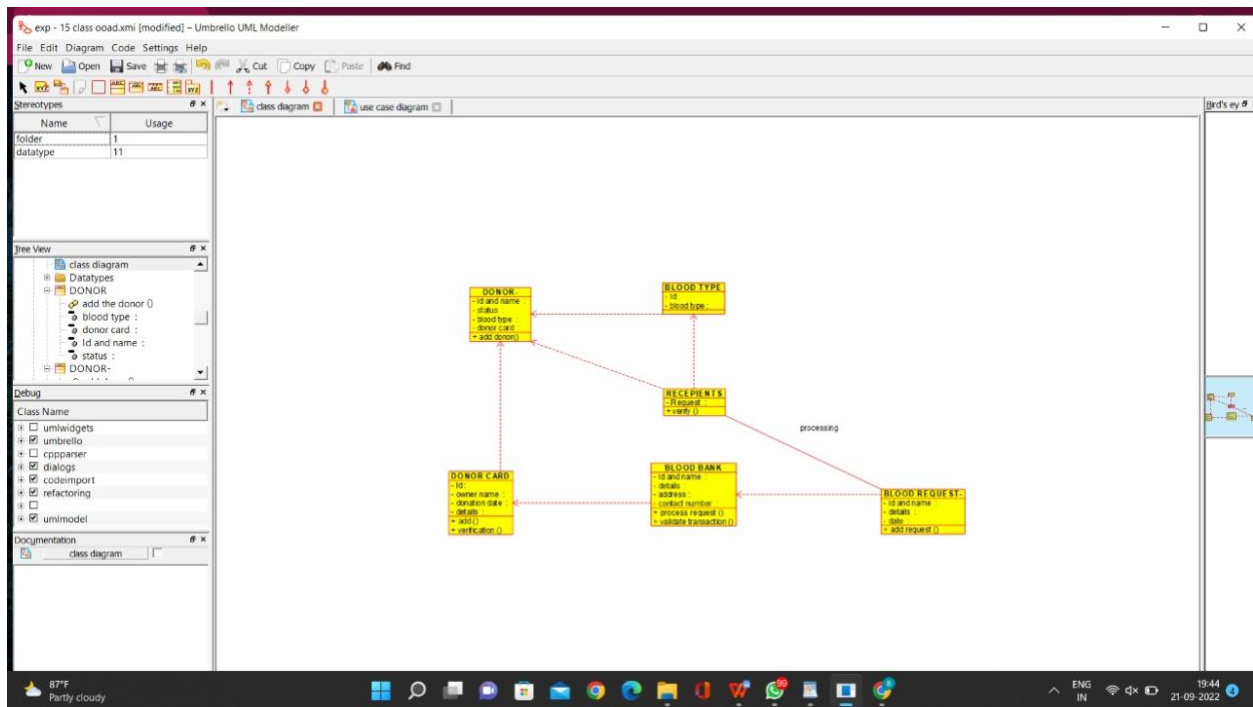
# Experiment- 15

## Blood bank management system

USE CASE DIAGRAM :



CLASS DIAGRAM:



```
# coding=System
```

```
from DONOR_CARD import *
```

```
class BLOOD_BANK(object):
```

```
    """
```

```
    :version:
```

```
    :author:
```

```
    """
```

```
    """ ATTRIBUTES
```

Id\_and\_name\_ (private)

details\_ (private)

address (private)

contact\_number\_ (private)

"""

def process\_request\_(self):

"""

@return :

@author

"""

pass

def validate\_transaction\_(self):

```
"""
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
class BLOOD_REQUEST(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Id_and_name (private)
```

```
details_ (private)
```

```
date_ (private)
```

```
"""
```

```
def add_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from BLOOD_BANK import *
```

```
class BLOOD_REQUEST_(object):
```

```
    """
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Id_and_name_ (private)
```

```
details_ (private)
```

```
date_ (private)
```

```
"""
```

```
def add_request_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from DONOR- import *
```

```
class BLOOD_TYPE(object):
```

```
"""
```

:version:

:author:

"""

""" ATTRIBUTES

Id (private)

blood\_type (private)

"""

# coding=System

from DEALER import \*

class CENTRAL\_SYSTEM(object):

"""

:version:

:author:

"""

```
""" ATTRIBUTES
```

```
store_ (private)
```

```
update_ (private)
```

```
"""
```

```
def storing_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def updating_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```



```
pass
```

```
def processing_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
    """
```

```
pass
```

```
# coding=System
```

```
from TRADING_MANAGEMENT_SYSTEM import *
```

```
class CUSTOMER(object):
```

```
    """
```

```
:version:
```

```
:author:
```

```
    """
```

```
    """ ATTRIBUTES
```

```
order_product_ (private)
```

```
quality_ (private)
```

```
"""
```

```
def payment_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def deliver_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def transport_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from TRADING_MANAGEMENT_SYSTEM import *
```

```
class SUPPLIER(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Product_supply_ (private)
```

```
"""
```

```
def available_product_(self):
```

```
"""
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def money_transfer_(self):
```

```
"""
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
class TRADING_MANAGEMENT_SYSTEM(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
verify_product_ (private)
```

```
amount_ (private)
```

```
"""
```

```
def transport_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def money_transfer_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def delivery_product_(self):
```

```
    """
```

@return :

@author

"""

pass

# coding=System

class DEALER(object):

"""

:version:

:author:

"""

""" ATTRIBUTES

name\_ (private)

availability\_ (private)

```
"""
```

```
def payment_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def delivery_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def dealer_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from BLOOD_TYPE import *
```

```
class DONOR(object):
```

```
    """
```

```
    :version:
```

```
    :author:
```

```
    """
```

```
    """ ATTRIBUTES
```

```
    Id_and_name_ (private)
```

```
    status_ (private)
```

```
    blood_type_ (private)
```



```
donor_card_ (private)
```

```
"""
```

```
def add_the_donor_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
class DONOR_(object):
```

```
    """
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Id_and_name_ (private)
```

```
status_ (private)
```

```
blood_type_ (private)
```

```
donor_card_ (private)
```

```
"""
```

```
def add_donor(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from DONOR- import *
```

```
class DONOR_CARD(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Id (private)
```

```
owner_name_ (private)
```

```
donation_date_ (private)
```

```
details_ (private)
```

```
"""
```

```
def add_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
def verification_(self):
```

```
"""
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```

```
# coding=System
```

```
from DONOR- import *
```

```
from BLOOD_TYPE import *
```

```
from BLOOD_REQUEST- import *
```

```
class RECEPIENTS(object):
```

```
"""
```

```
:version:
```

```
:author:
```

```
"""
```

```
""" ATTRIBUTES
```

```
Request_ (private)
```

```
"""
```

```
def verify_(self):
```

```
    """
```

```
@return :
```

```
@author
```

```
"""
```

```
pass
```