

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JnanaSangama”, Belgaum -590014, Karnataka.



LAB REPORT

on

OOMD LAB

Submitted by

MOHD IRFAN (1BM20CS409)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



B.M.S. COLLEGE OF ENGINEERING

(Autonomous Institution under VTU)

BENGALURU-560019
May-2022 to July-2022

B. M. S. College of Engineering,
Bull Temple Road, Bangalore 560019
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the Lab work entitled “**OOMD LAB**” carried out by **MOHD IRFAN (1BM20CS409)**, who is bonafide student of **B. M. S. College of Engineering**. It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022. The Lab report has been approved as it satisfies the academic requirements in respect of a OOMD LAB work prescribed for the said degree.

Name of the Lab-incharge:
shyamala G

Dr. Jyothi S Nayak

Department of CSE
BMSCE, Bengaluru

Professor and Head
Department of CSE
BMSCE, Bengaluru

Index Sheet

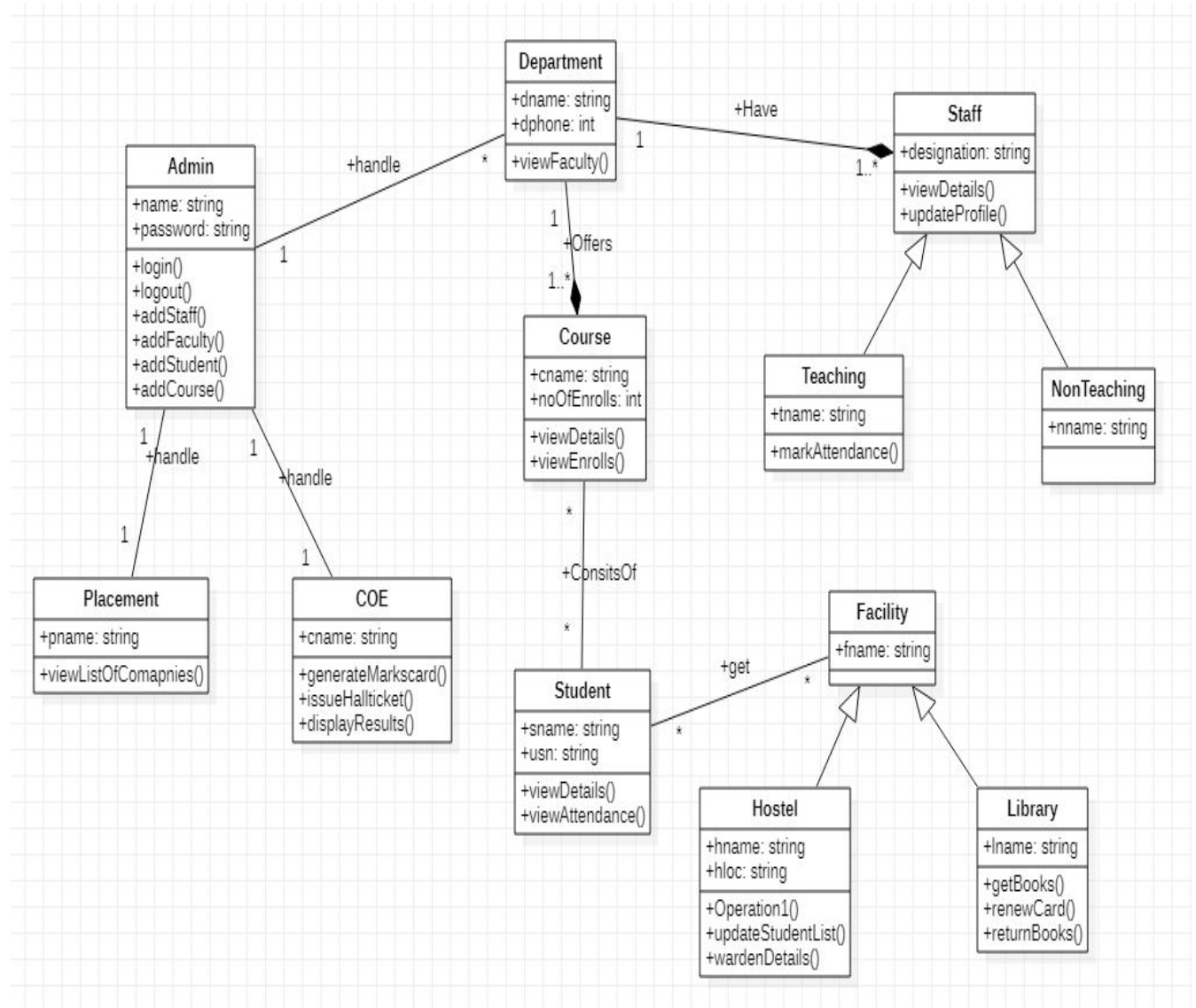
Sl. No.	Experiment Title	Page No.
1	Prepare a class diagram and state diagram for College information system	
2	Prepare a class diagram and state diagram for Hostel management system	
3	Prepare a class diagram and state diagram for stock maintenance system	
4	Prepare a class diagram and state diagram for coffee vending machine	
5	Prepare a class diagram and state diagram for online shopping system	
6	Prepare a class diagram and state diagram for railway reservation system	
7	Prepare a class diagram and state diagram for graphics editor system	

Course Outcome

	Able to identify classes and objects behaviour and model the states and prepare the class and state diagram
--	-------------------------------------------------------------------------------------------------------------

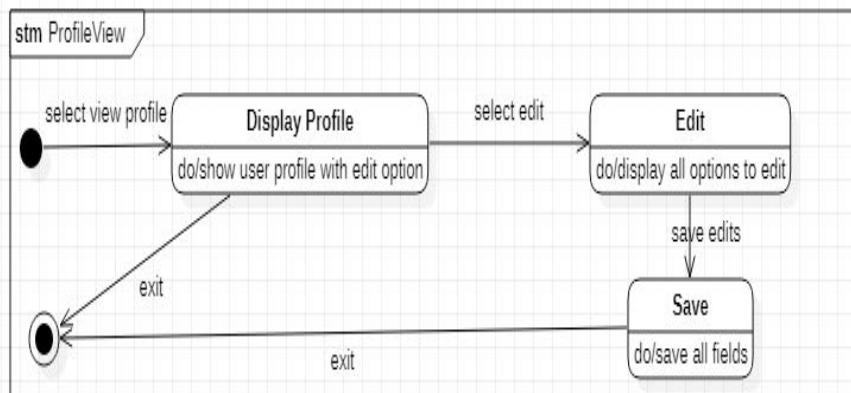
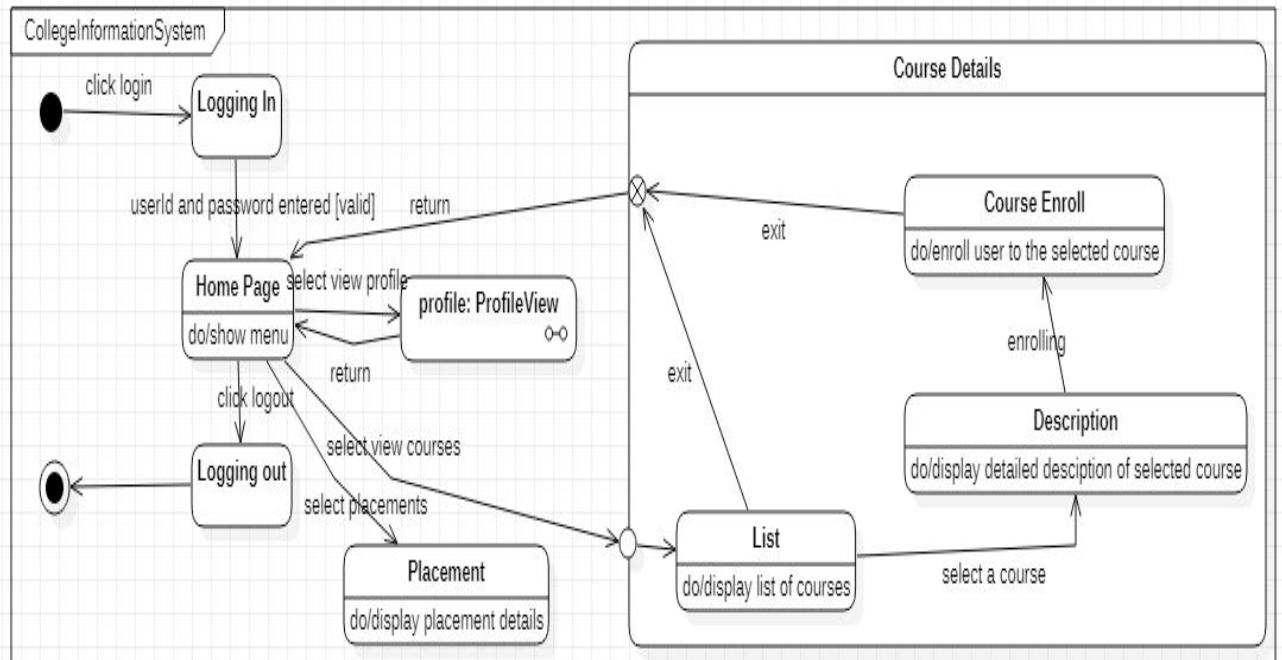
1. Prepare a class diagram and state diagram for College information system

Class diagram



Here the class department with attributes(dname,dphone) now department will have staff so shown with composition relationship with 1 dept can have multiple staffs and course class shows the courses offered by dept and admin manages all the adding,login credentials,adding courses etc.Two class that are associated with admin are placement and COE .facility class with attribute(fname) is inhereted by other two Hostel and library

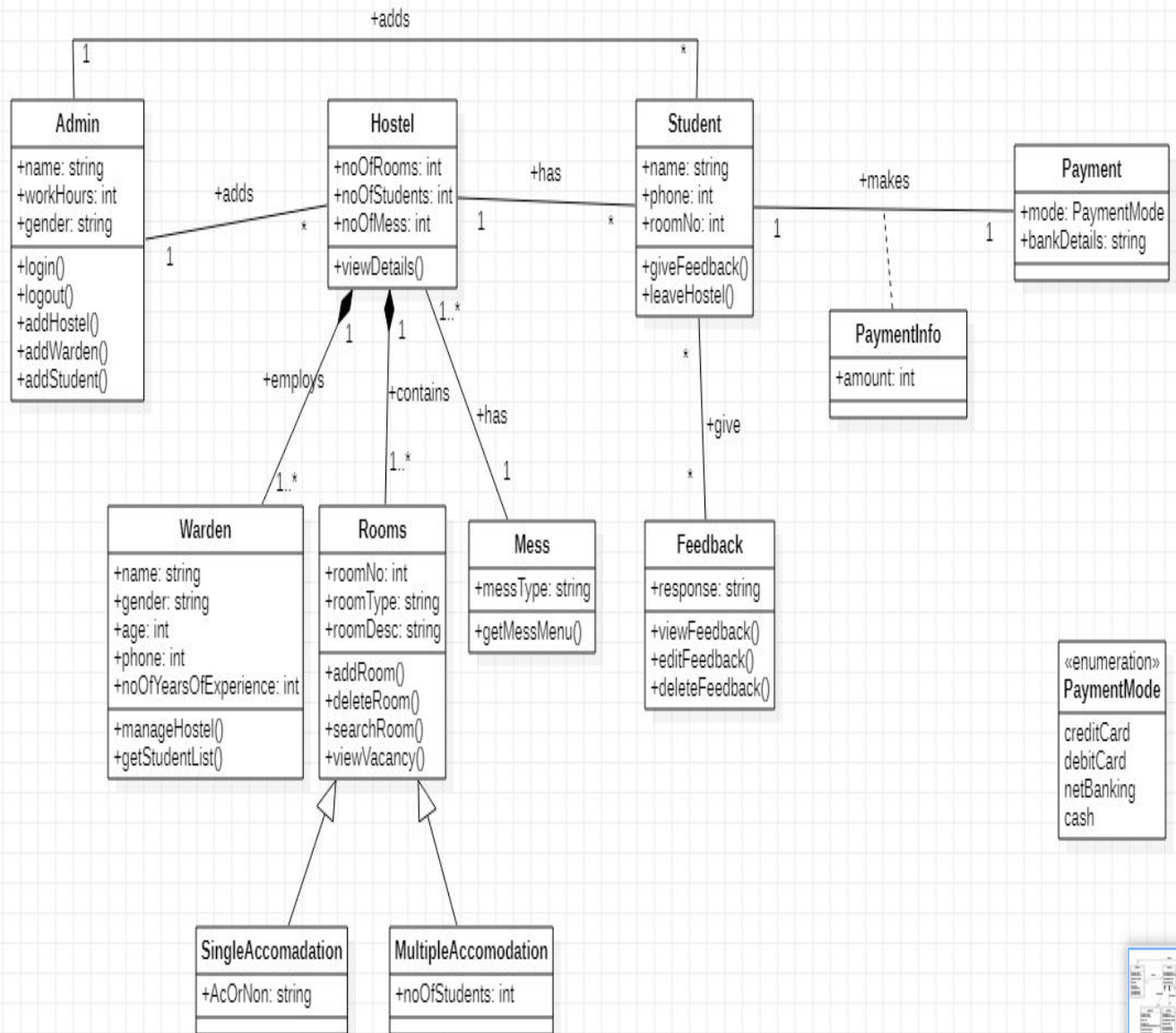
State diagram



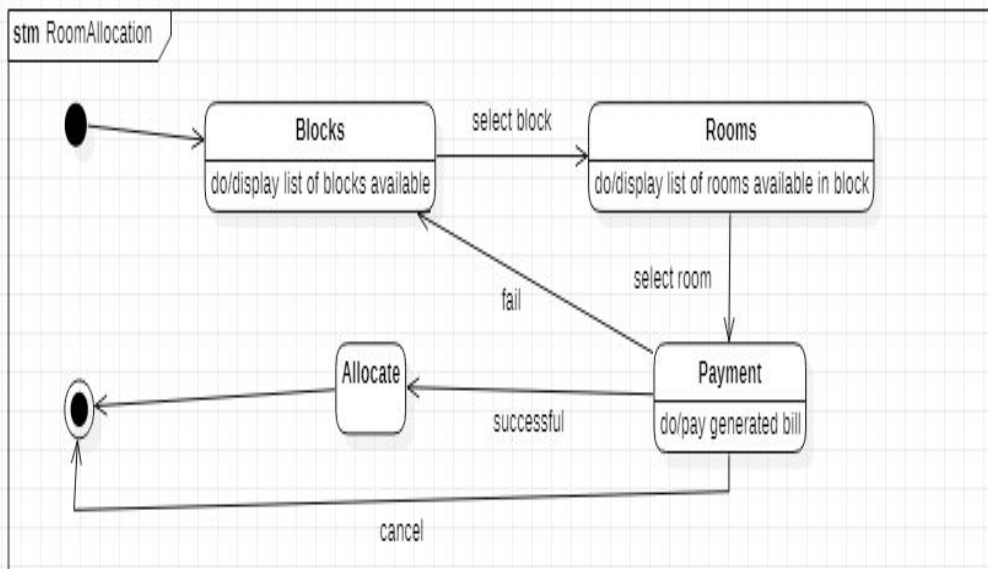
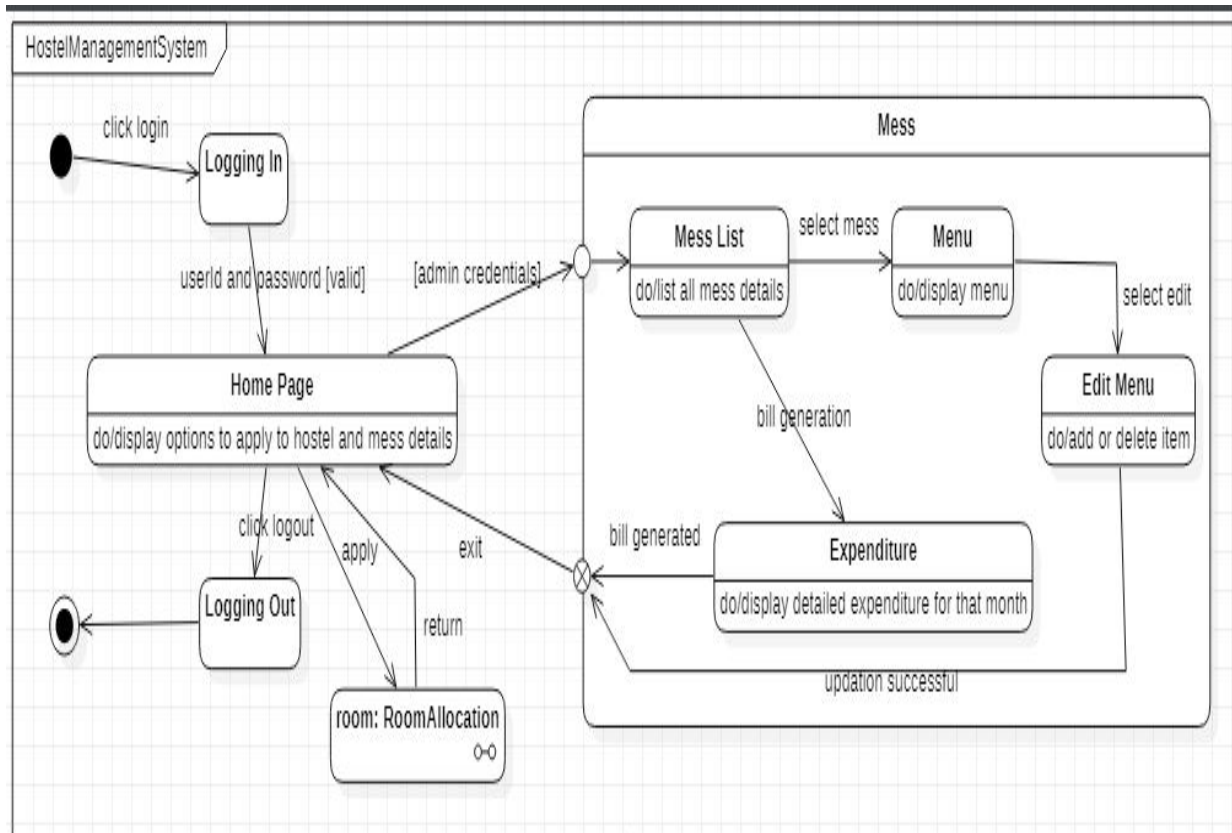
Here user will first in login and by entering valid user id and password it enter transit to homepage now to view by clicking an event it transit to sub machine state called profile view there to →display profile and editing option and save and exit.or from home page to course details get list and check description and can decide to enroll and return to home page and can logout

2.Prepare a class diagram and state diagram for hostel management system

Class diagram

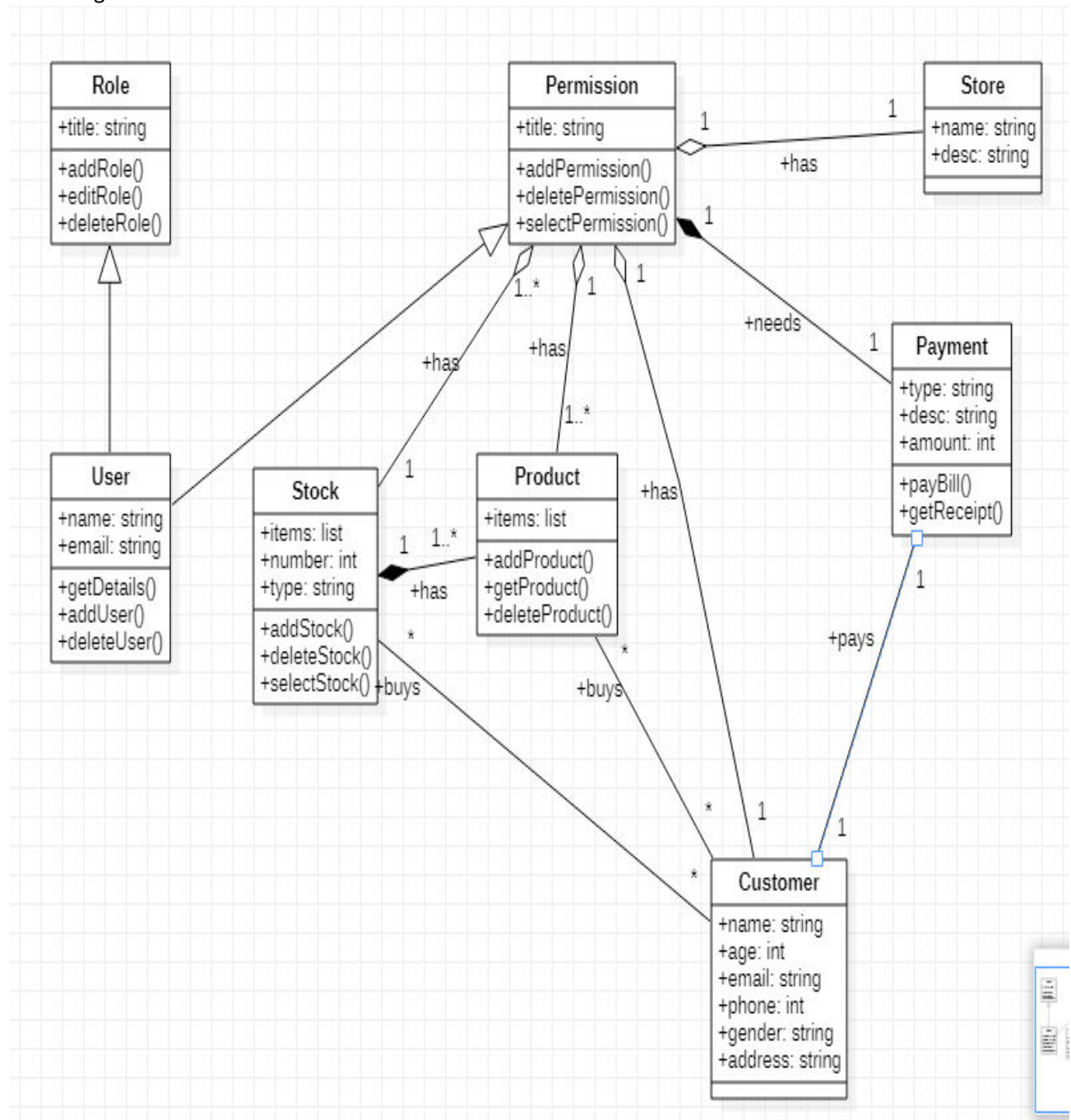


state diagram

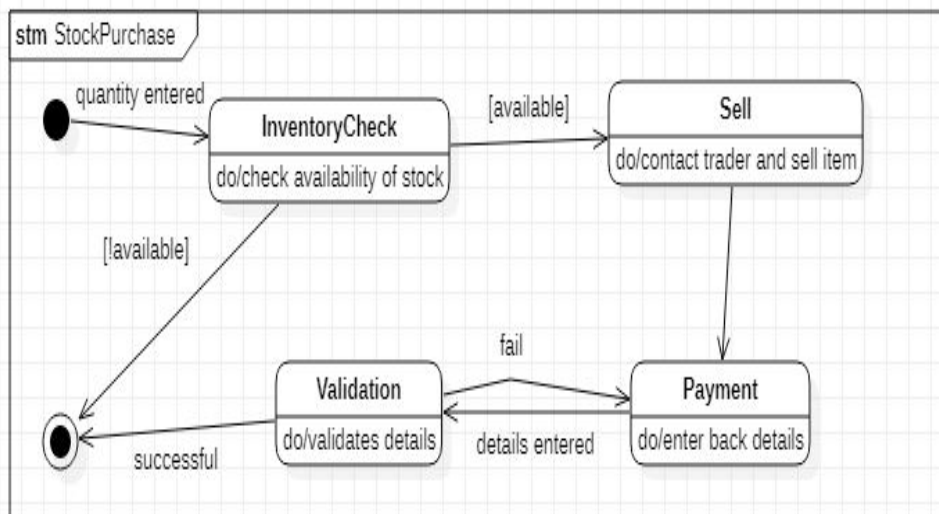
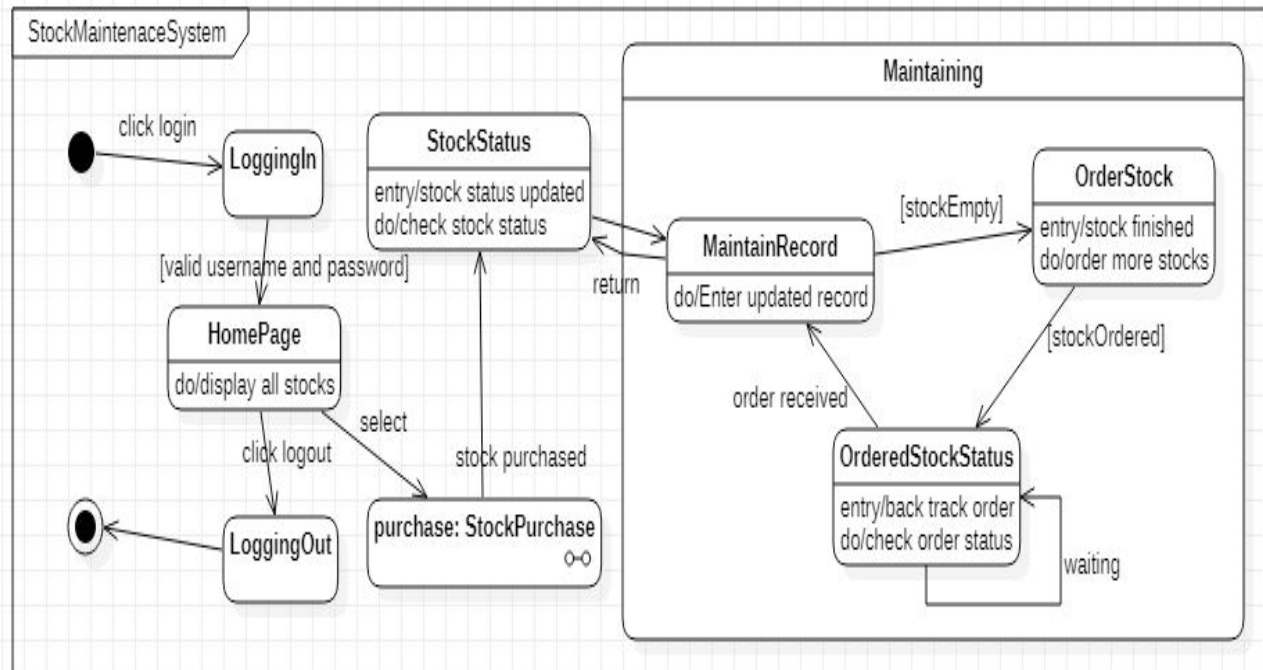


3.prepare a class and state diagram for Stock maintenance system

Class diagram

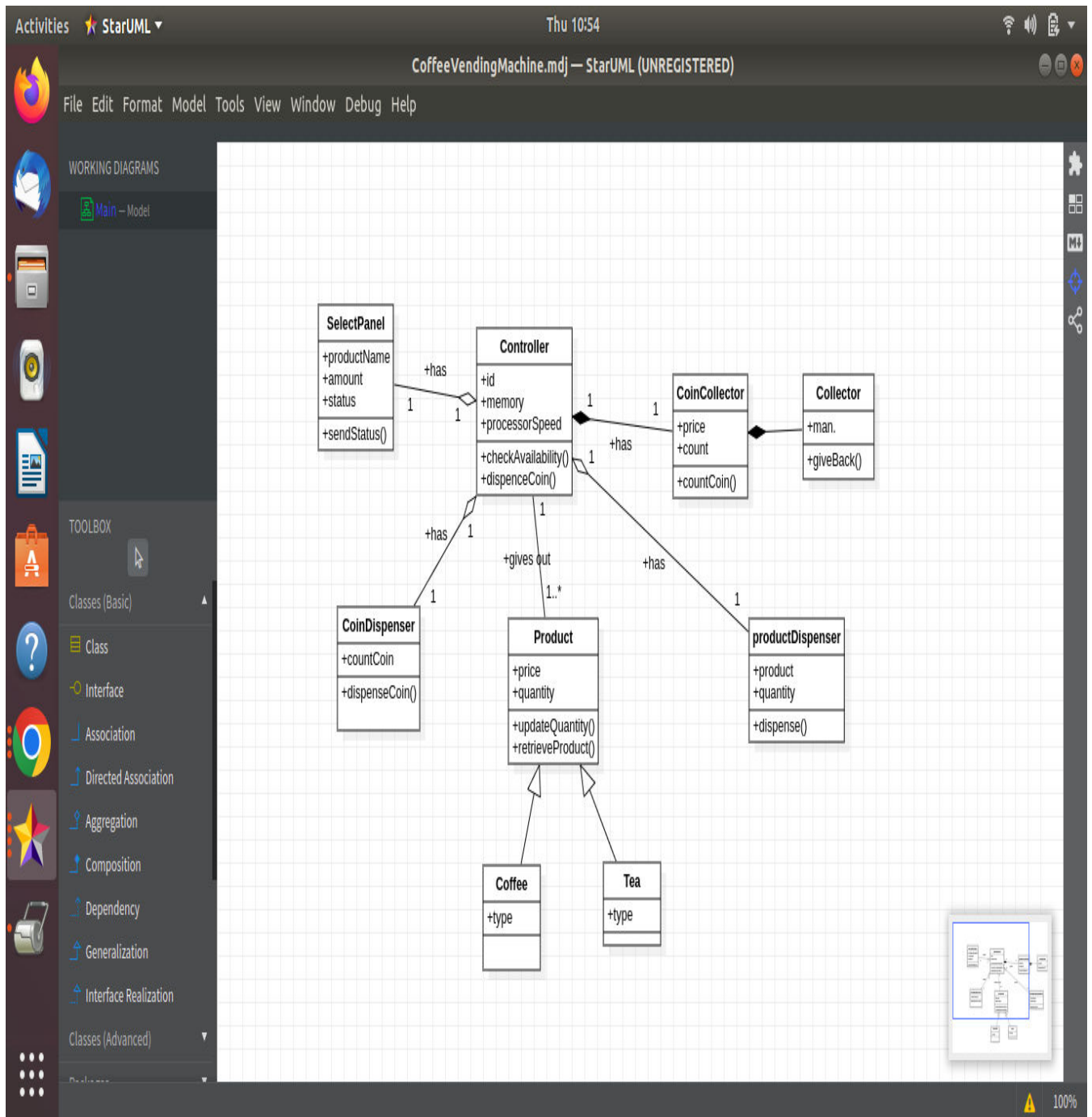


State diagram

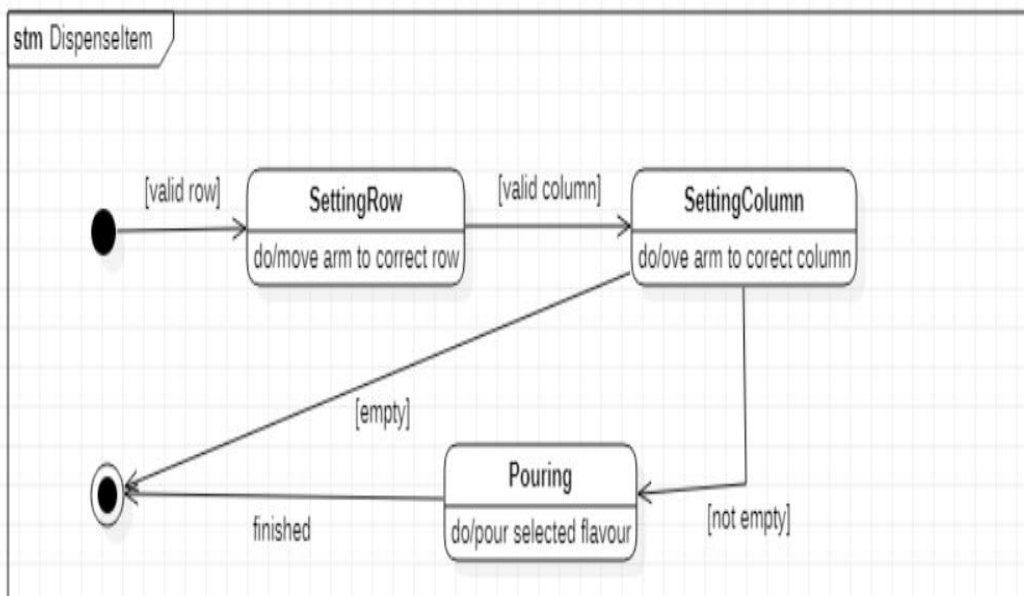
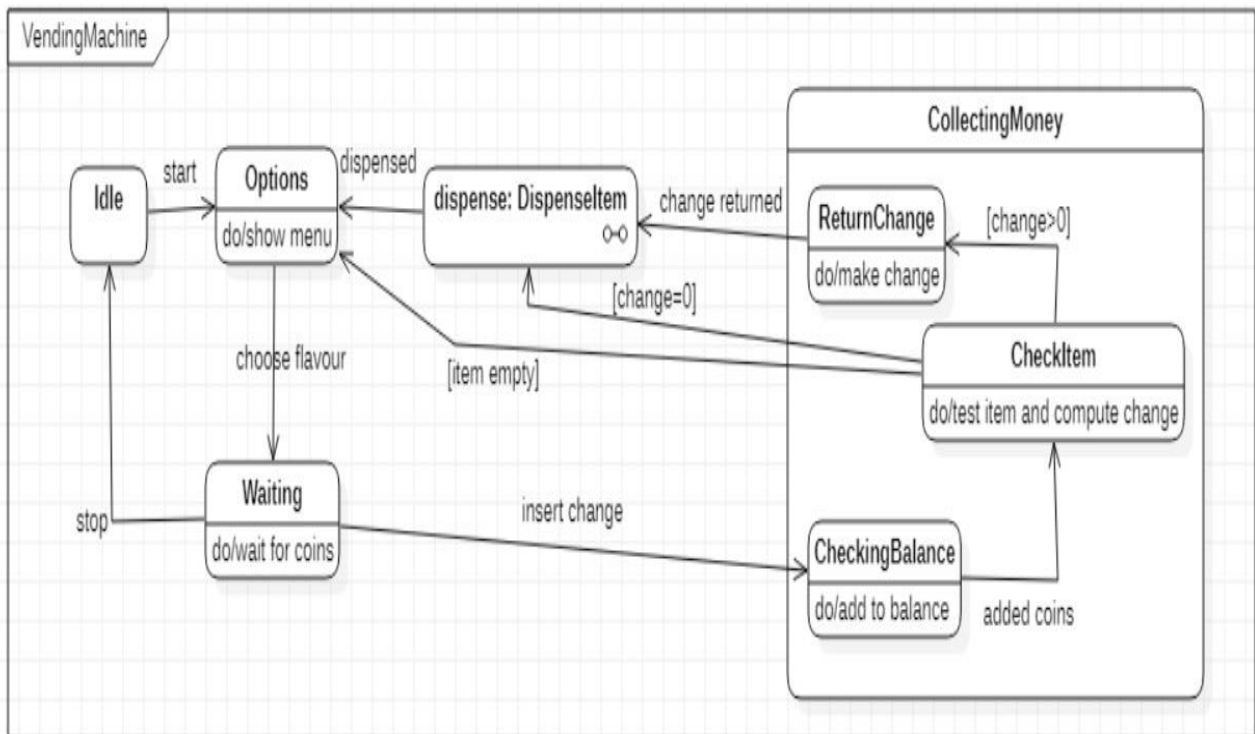


4.prepare a class and state diagram for coffee vending machine

class diagram:

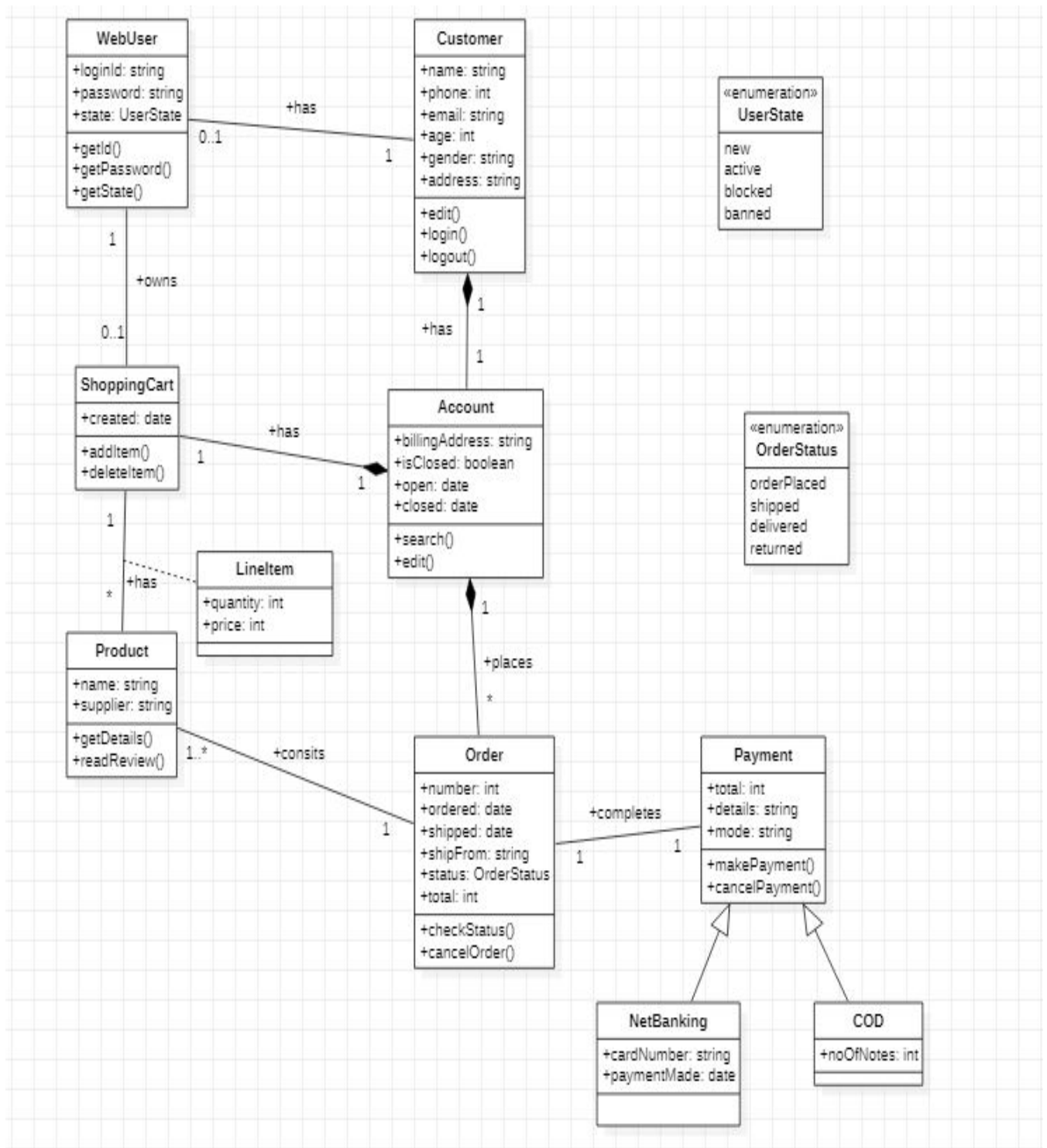


State diagram

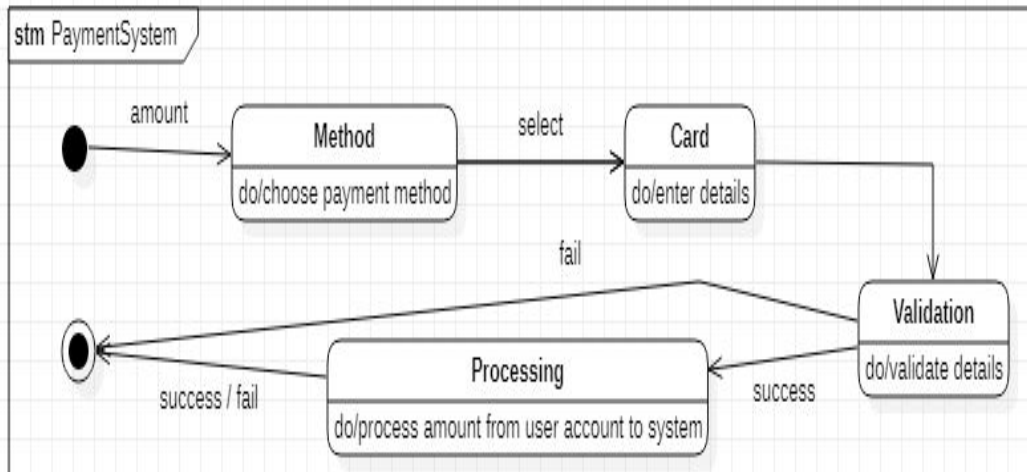
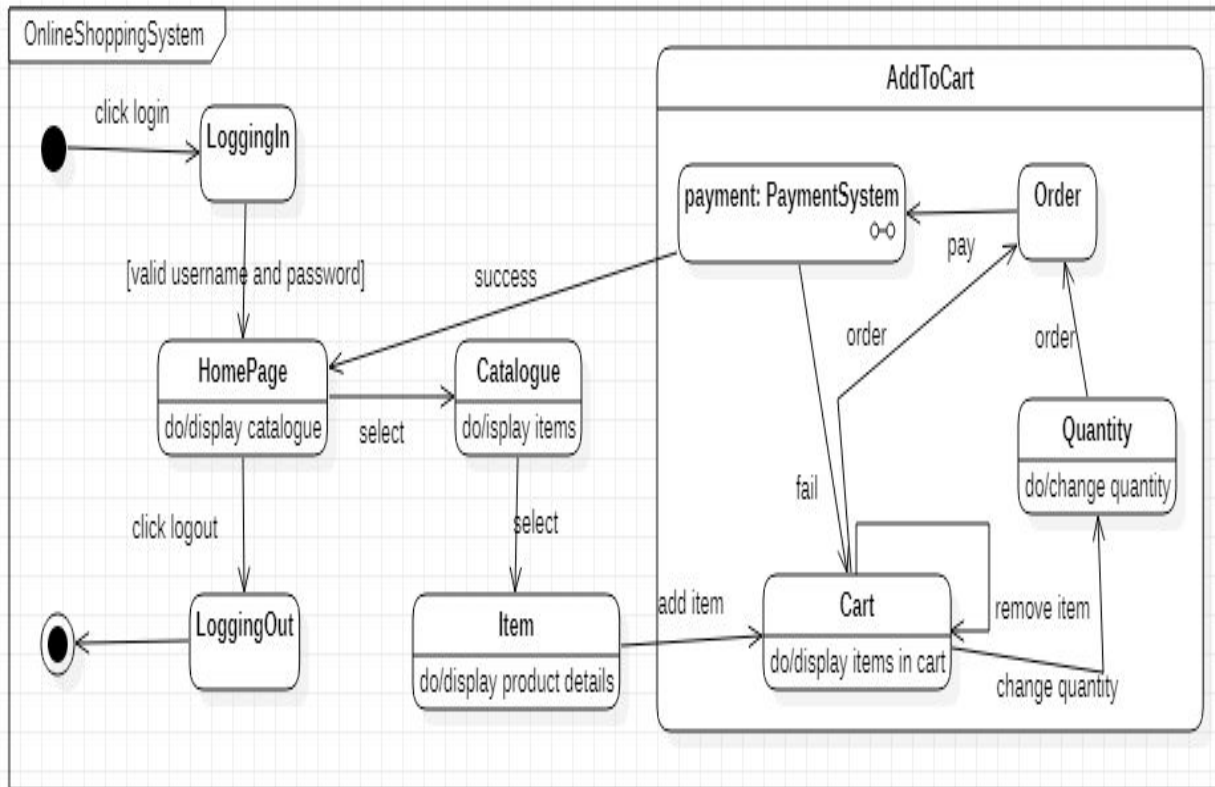


5.prepare a class diagram and state diagram for online shopping system

class diagram

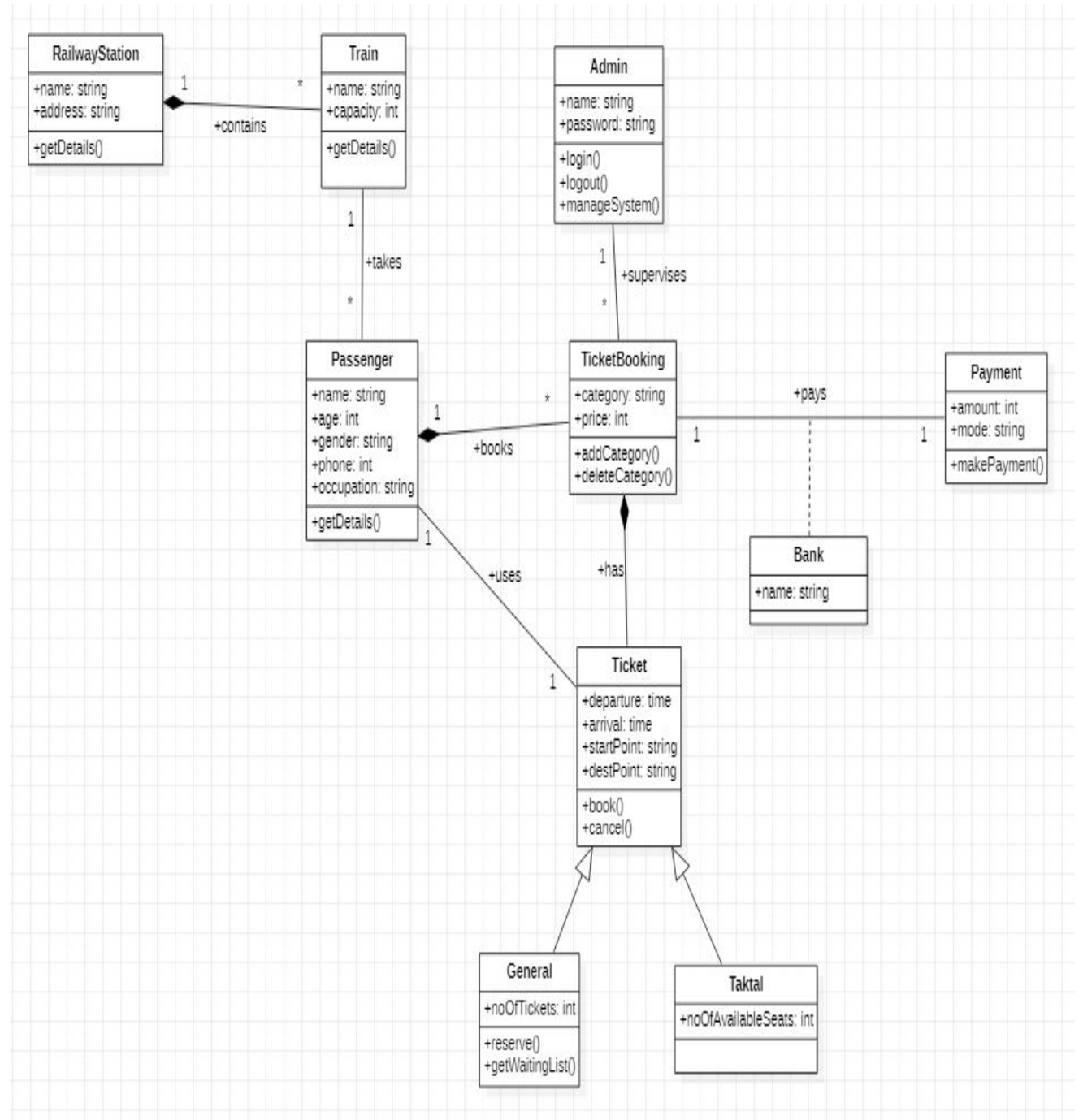


State diagram

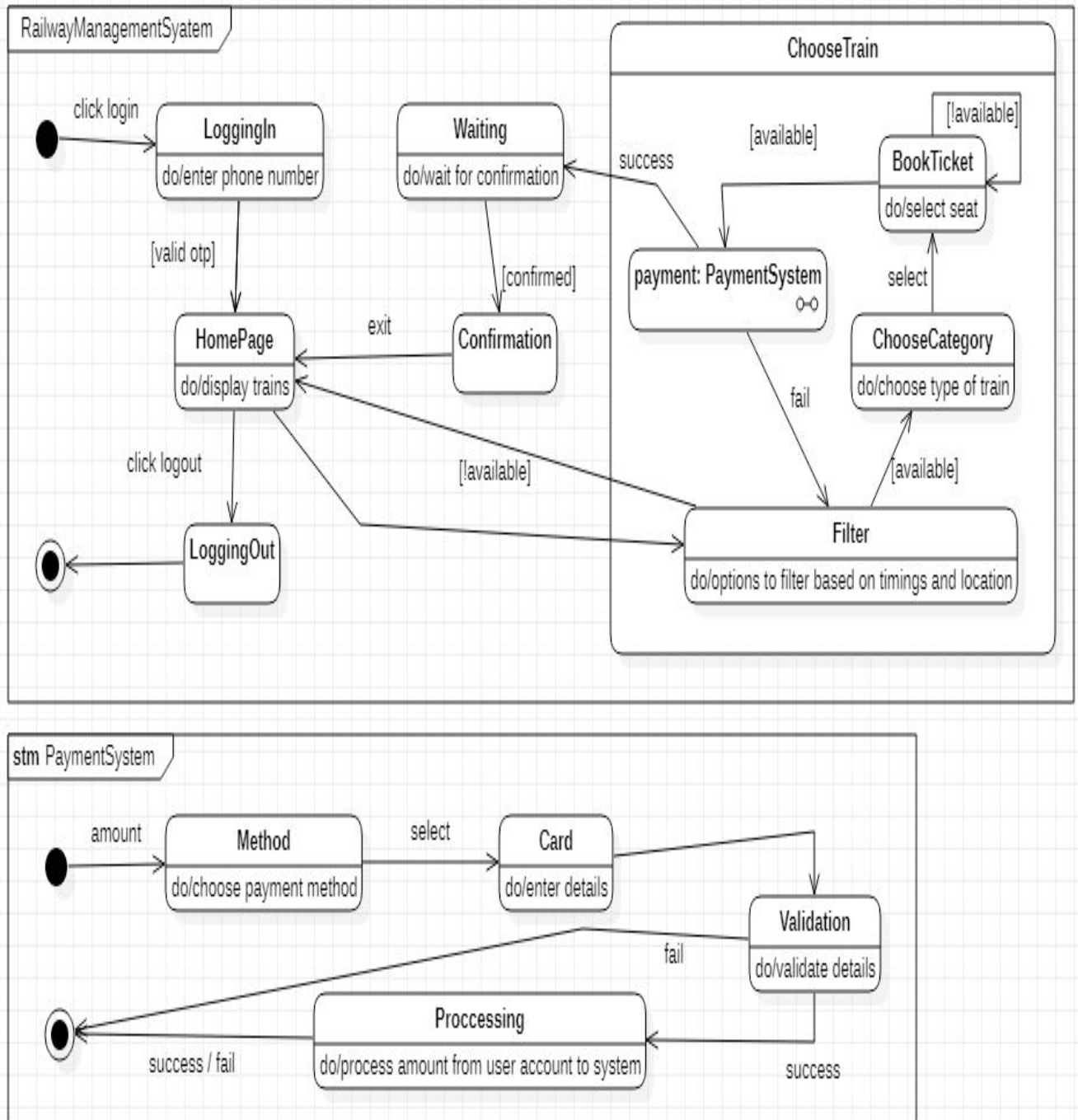


6.Prepare a class diagram and state diagram for Railway reservation system

Class diagram

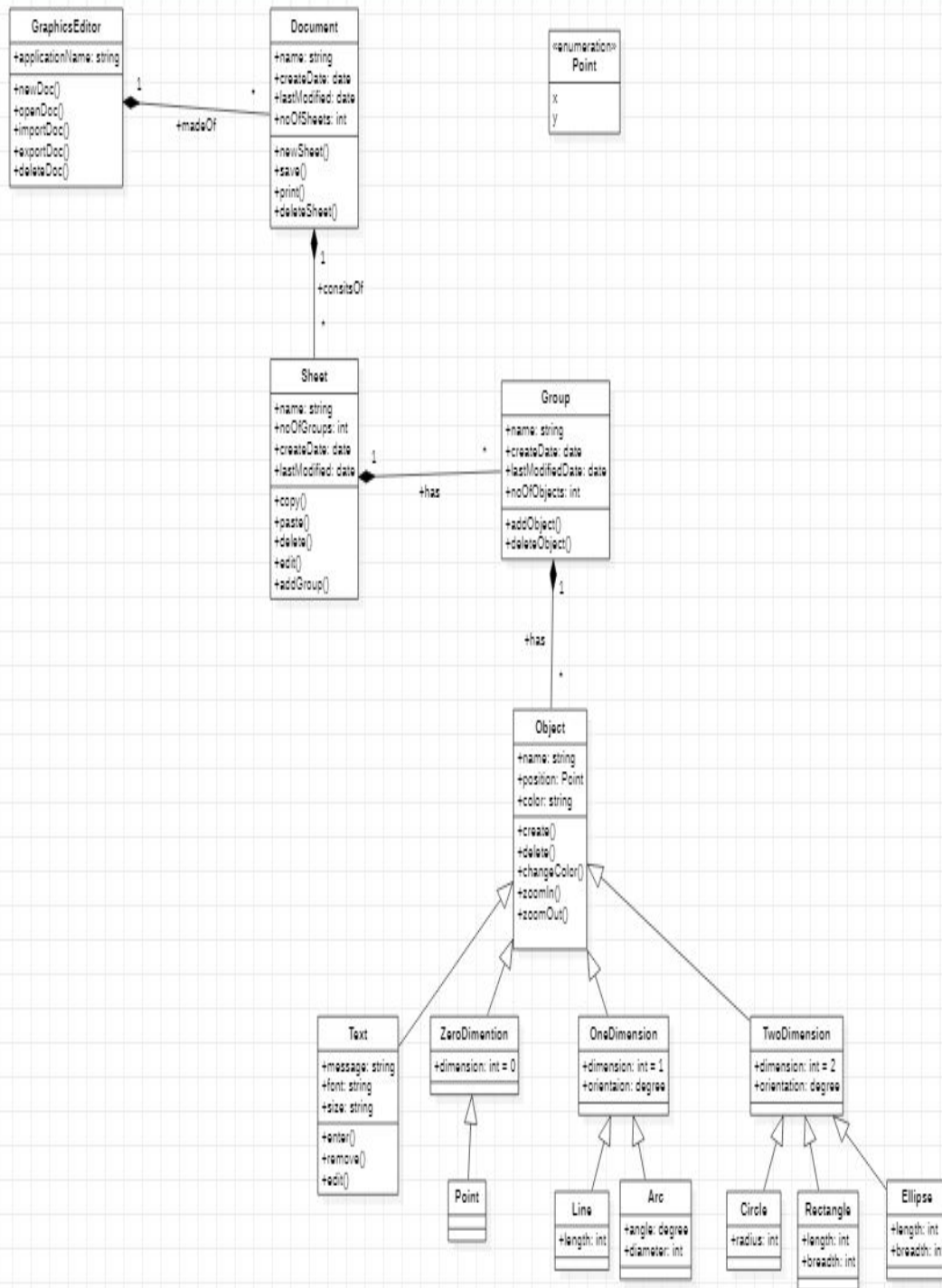


State diagram



7.Prepare a class diagram and state diagram for graphics editor system

Class diagram



State diagram

