

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“JnanaSangama”, Belgaum -590014, Karnataka.



## **LAB REPORT**

**on**

## **OBJECT ORIENTED MODELING AND DESIGN**

*Submitted by*

**SHIVANSHU PANDE(1BM19CS151)**

*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 “OBJECT ORIENTED MODELING AND DESIGN” carried out by SHIVANSHU PANDE (1BM19CS156), 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 object oriented modeling and designing - (20CS6PCOMD) work prescribed forthe said degree.

LATHA N R  
PROFESSOR'  
BMSCE BANGALURU`

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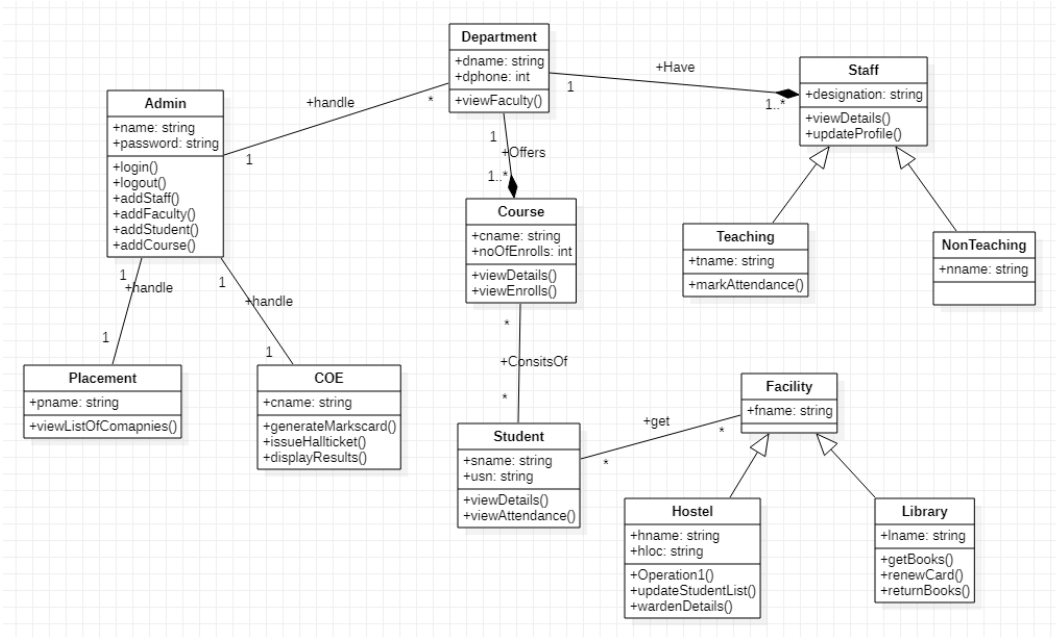
### Course Outcome

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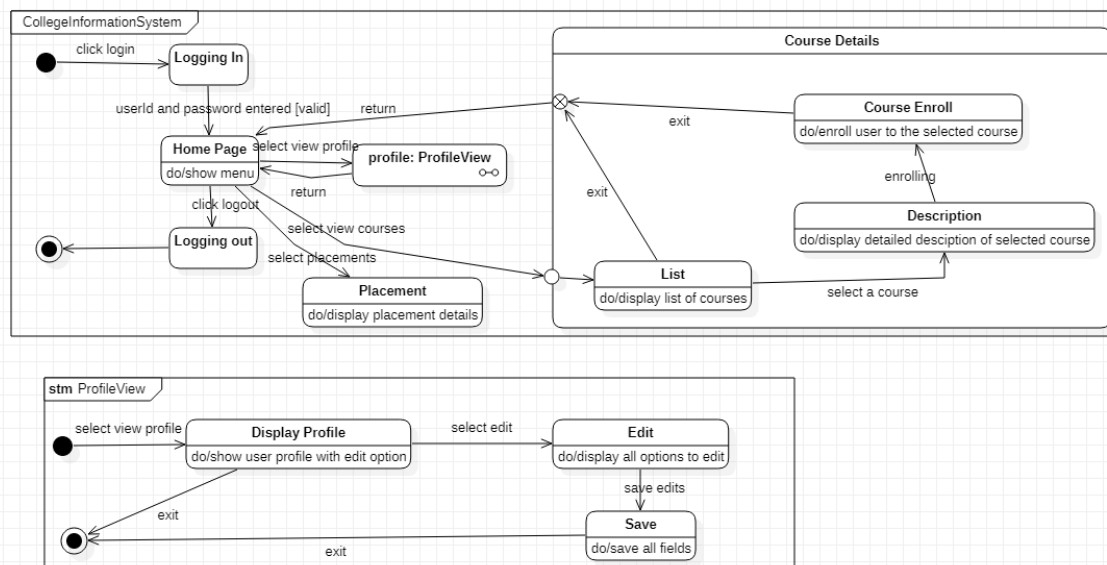
## LAB-1

### COLLEGE MANAGEMENT SYSTEM

#### CLASS DIAGRAM



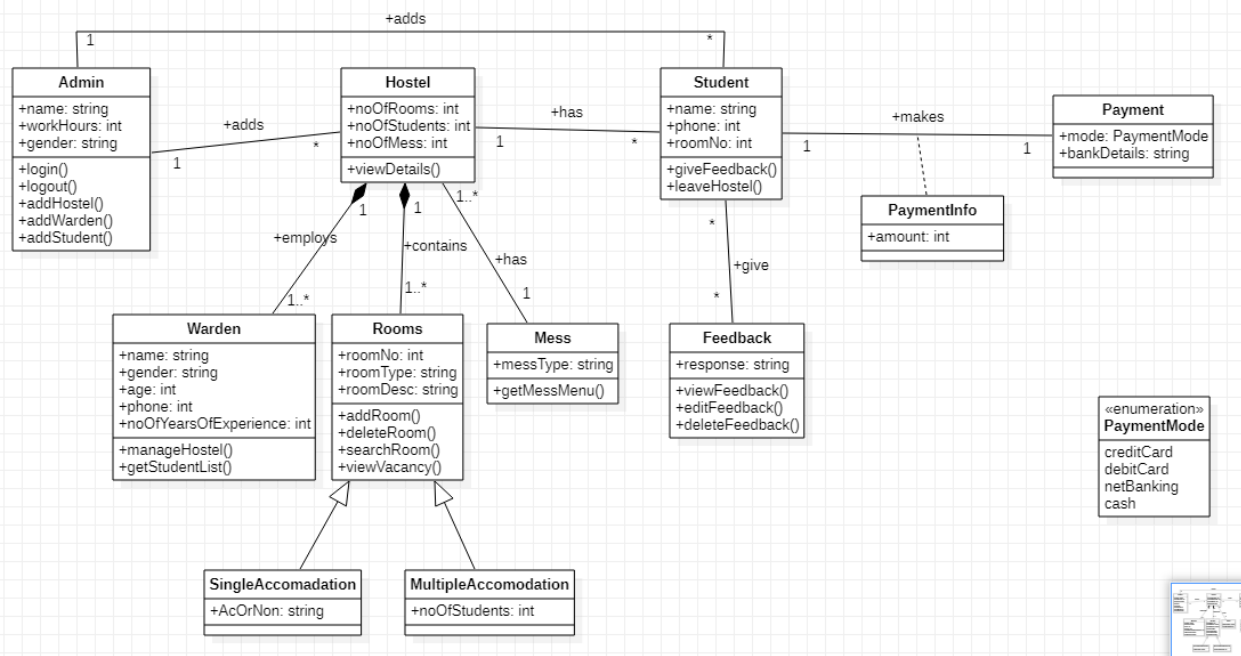
#### STATE DIAGRAM



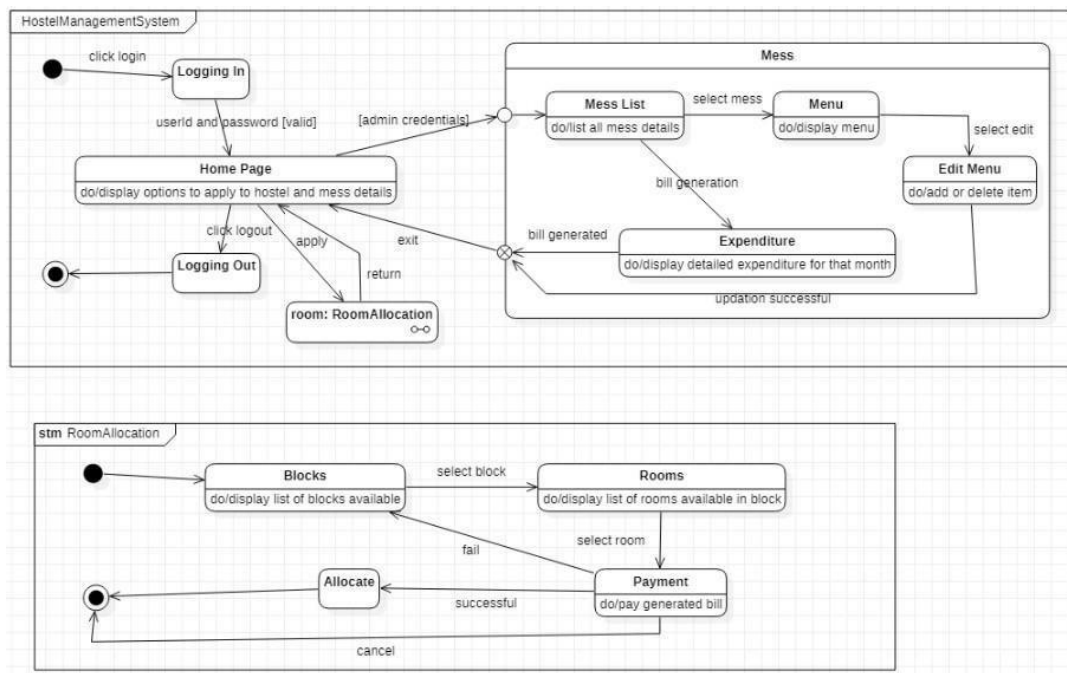
## LAB-2

### HOSTEL MANAGEMENT SYSTEM

#### ● CLASS DIAGRAM



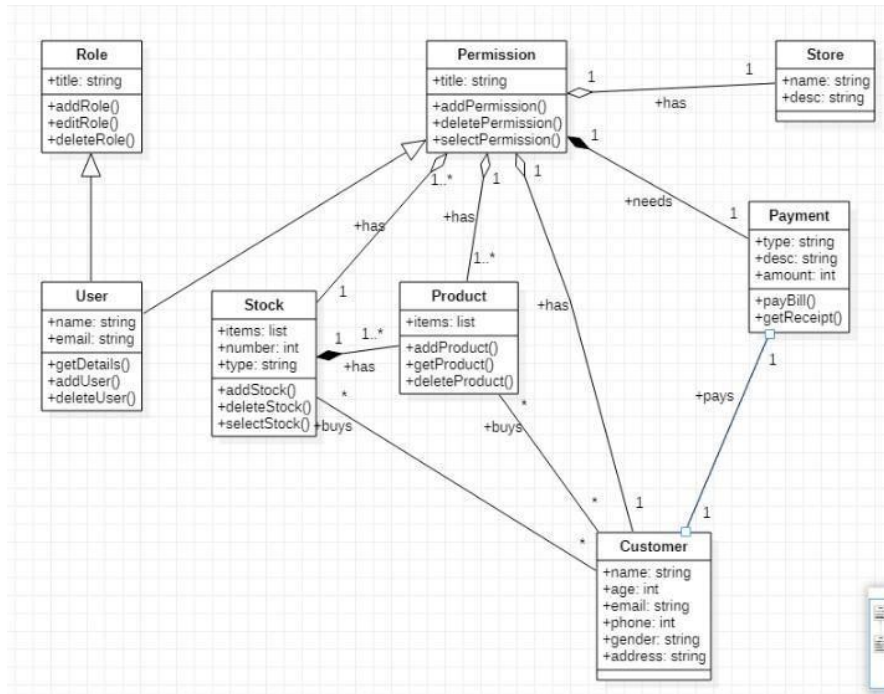
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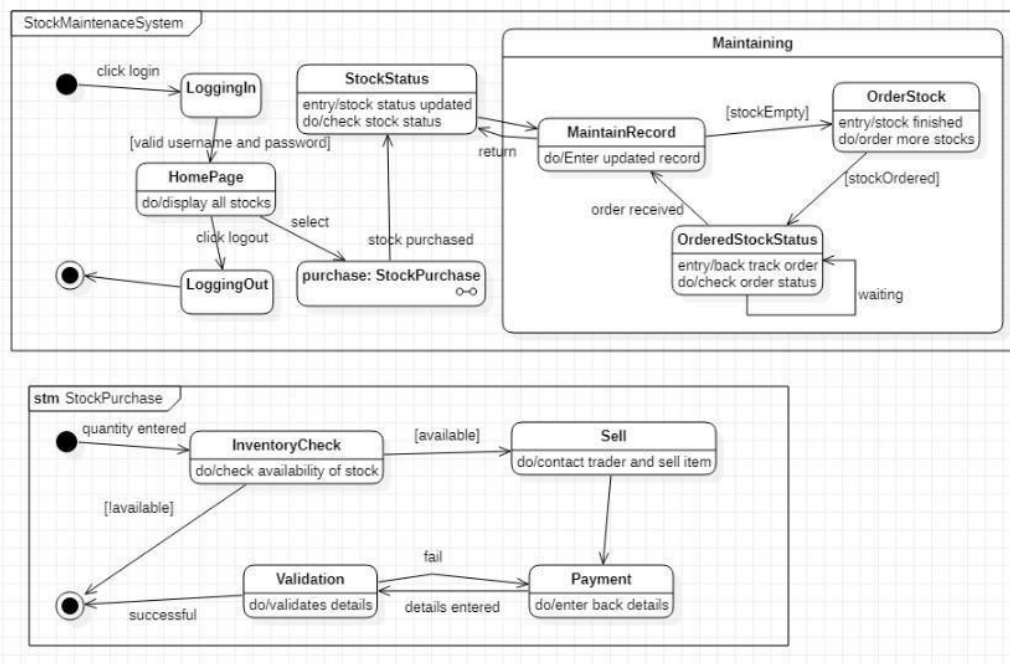
## LAB-3

### STOCK MAINTENANCE SYSTEM

#### ● CLASS DIAGRAM



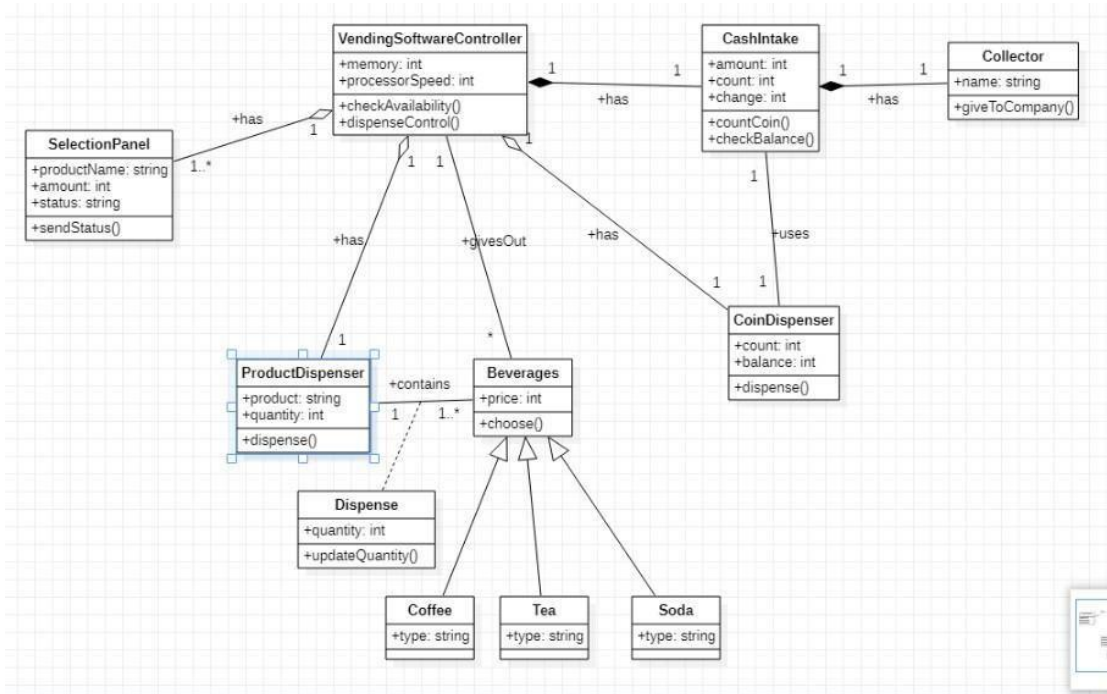
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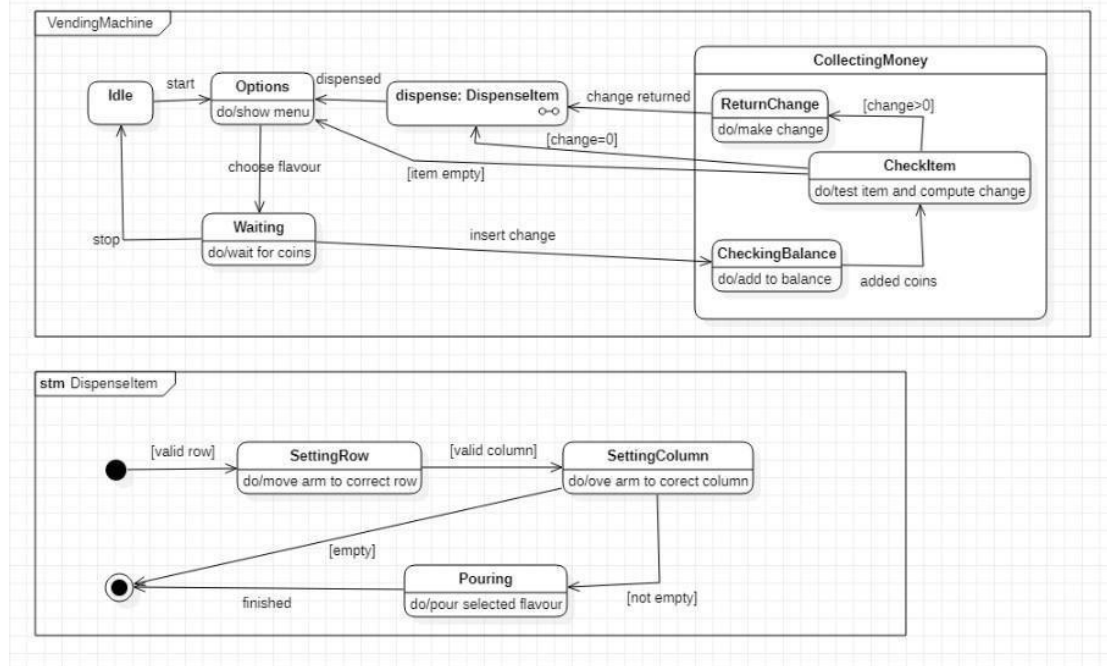
## LAB-4

### COFFEE VENDING MACHINE

#### • CLASS DIAGRAM



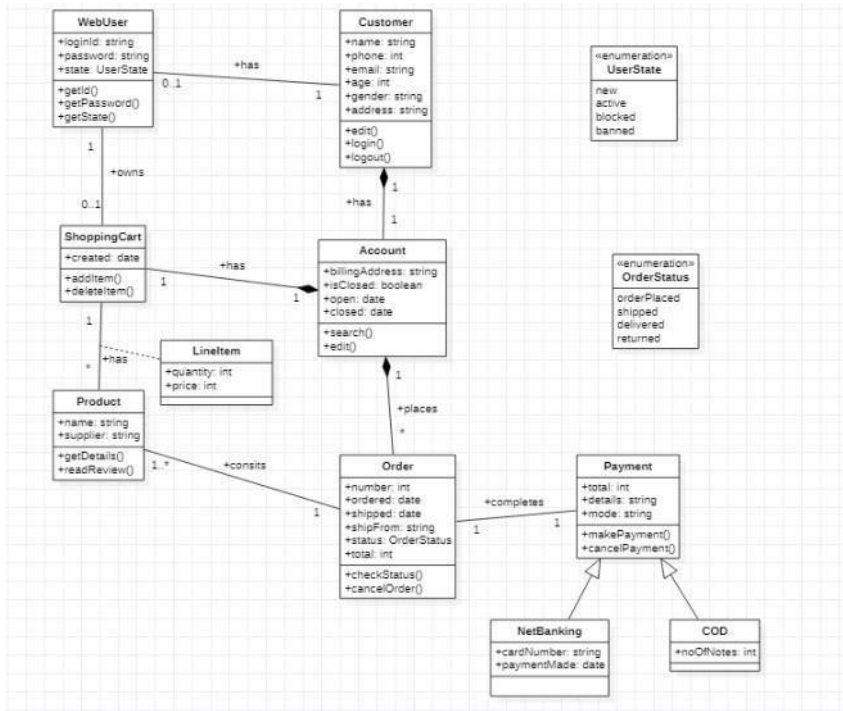
#### • STATE DIAGRAM



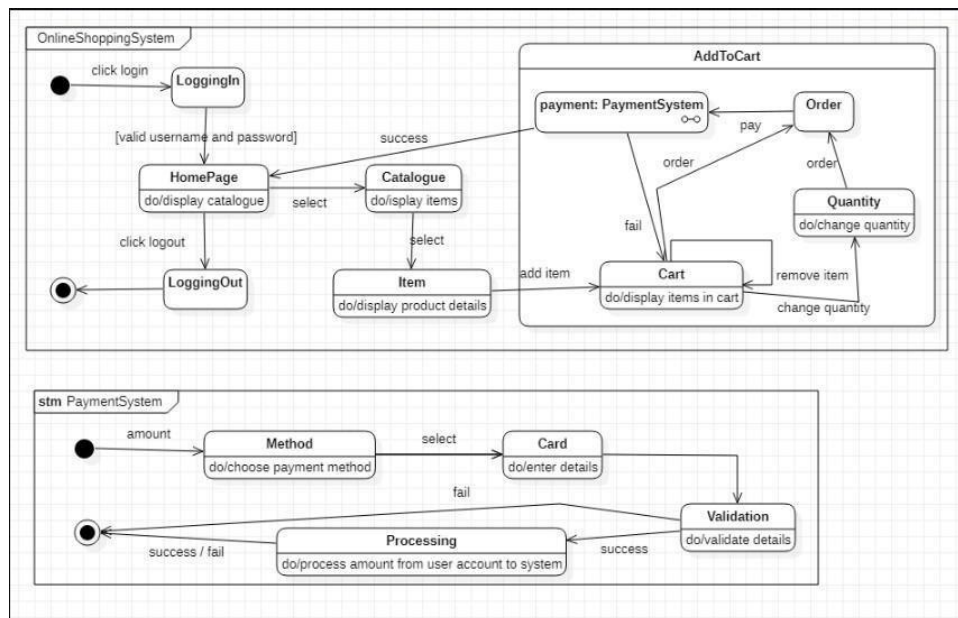
## LAB-5

### ONLINE SHOPPING SYSTEM

#### ● CLASS DIAGRAM



#### ● STATE DIAGRAM

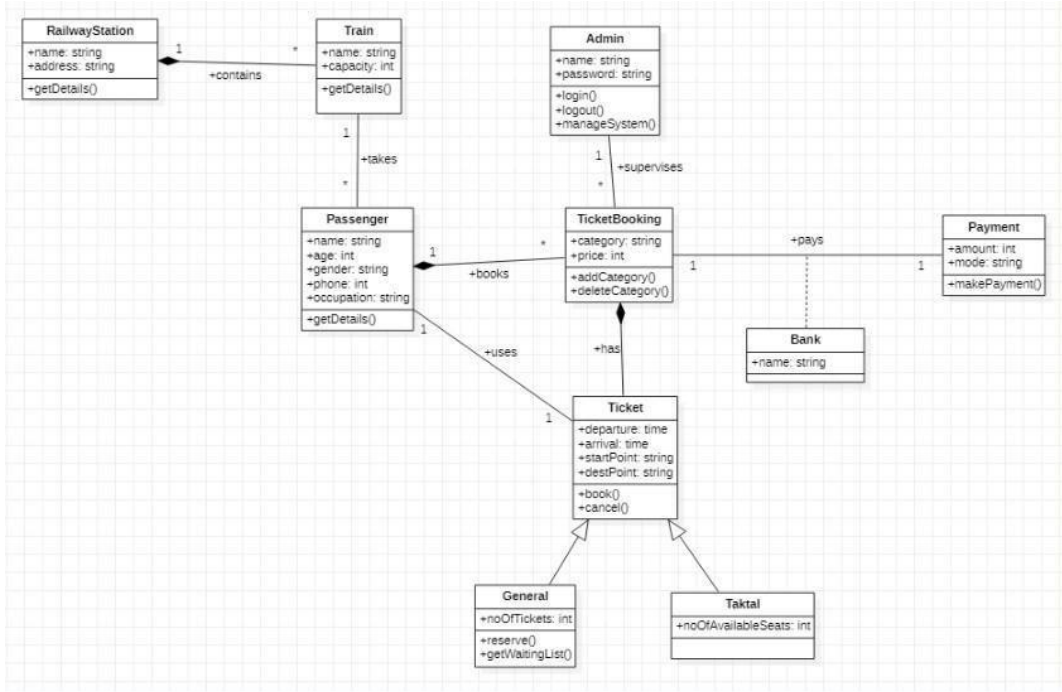




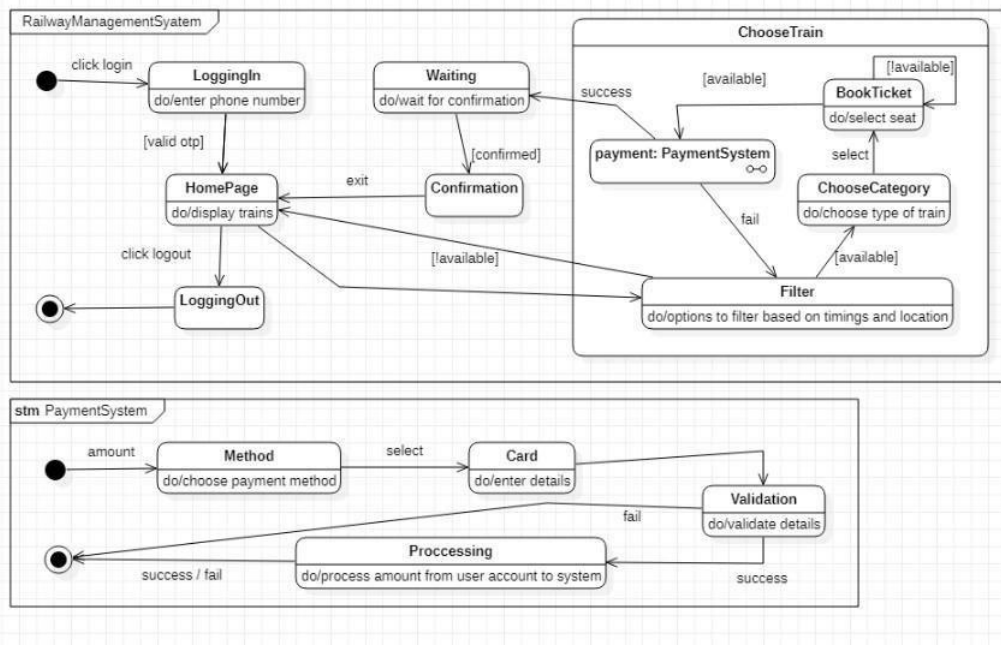
## LAB-6

### RAILWAY RESERVATION SYSTEM

#### CLASS DIAGRAM



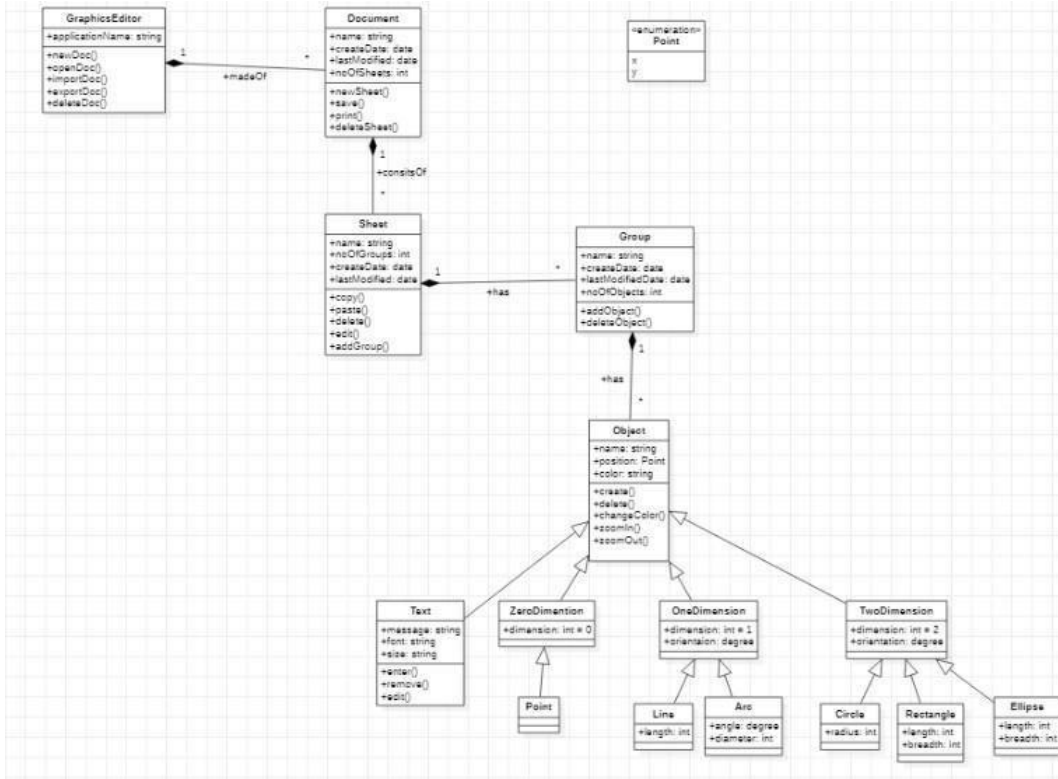
#### STATE DIAGRAM



## LAB-7

### GRAPHICS EDITOR SYSTEM

#### ● CLASS DIAGRAM



#### ● STATE DIAGRAM

