

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JnanaSangama”, Belgaum -590014, Karnataka.



**LAB REPORT**  
**on**

## **OBJECT ORIENTED MODELLING AND DESIGN**

*Submitted by*

**VIGHNESH CHANDRASHEKHAR (1BM19CS182)**

*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 Modelling and Design Lab” carried out by **VIGHNESH CHANDRASHEKHAR (1BM19CS182)**, who is a 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 with respect to **Object Oriented Modelling and Design-(20CS6PCOMD)** work prescribed for the said degree.

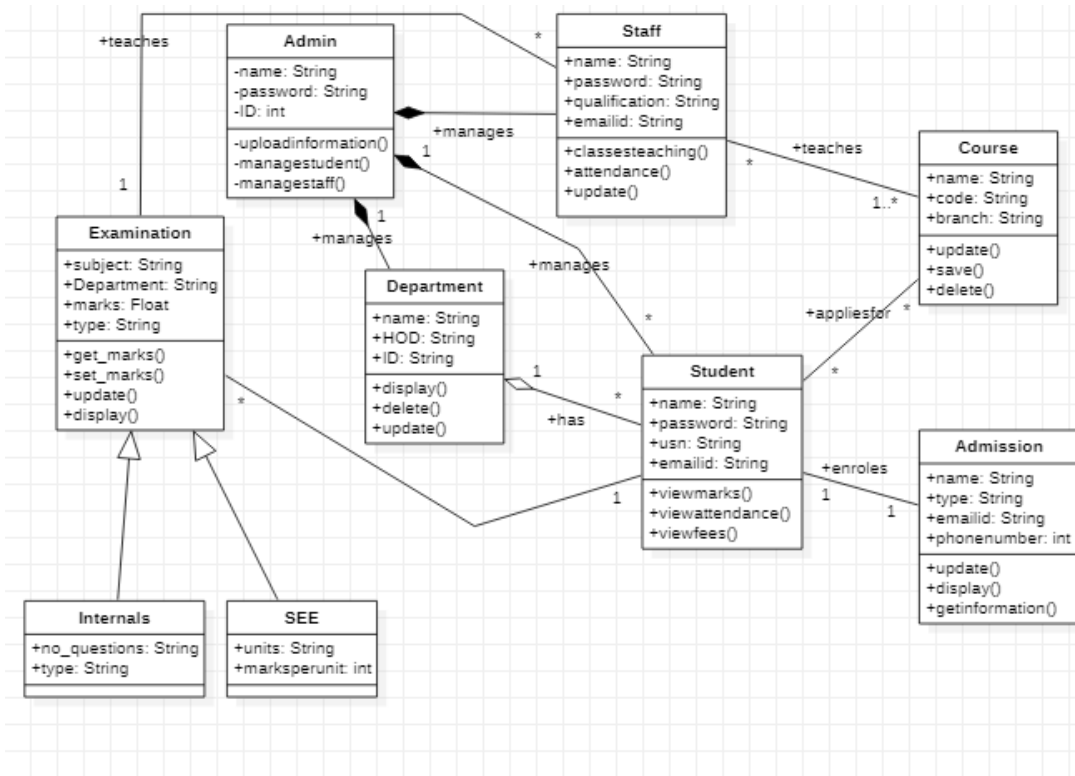
**Dr. Shyamala G**  
Assistant Professor  
Department of CSE  
BMSCE, Bengaluru

**Dr. Jyothi S Nayak**  
Professor and Head  
Department of CSE  
BMSCE, Bengaluru

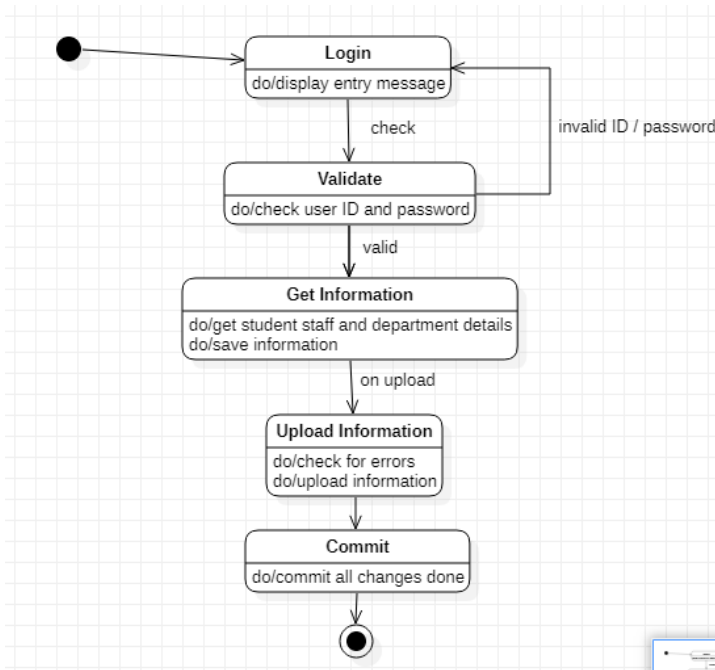
# Index Sheet

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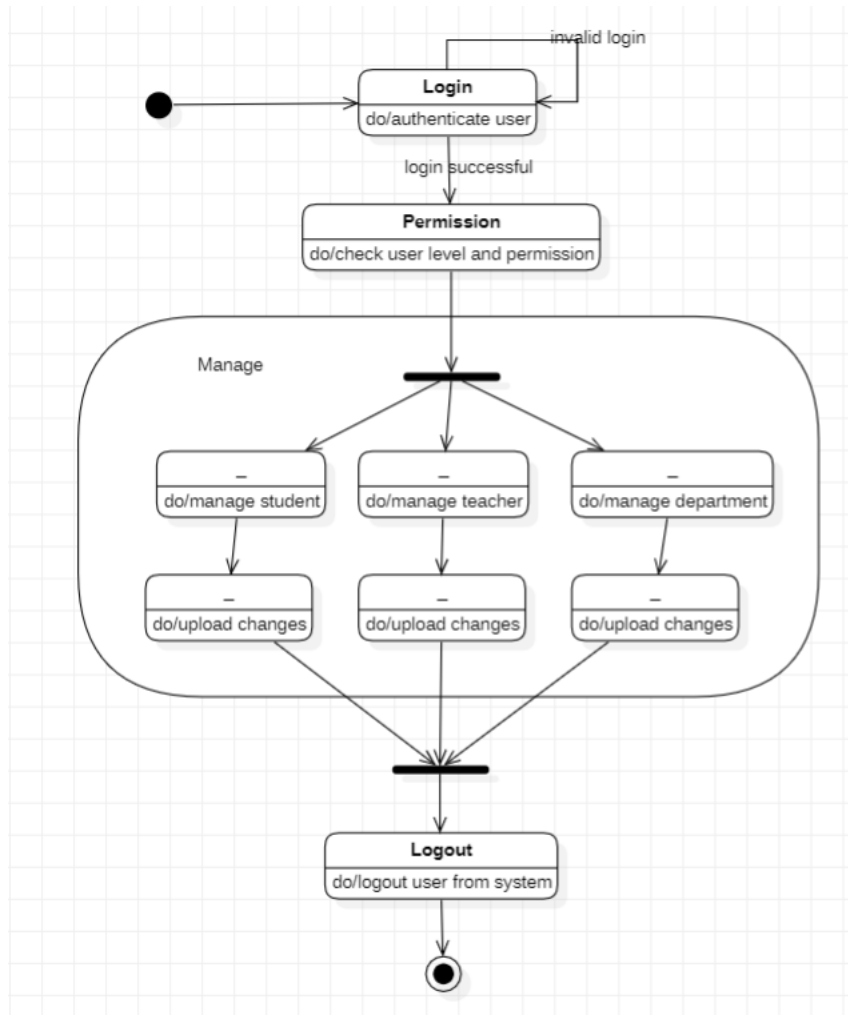
# 1. COLLEGE INFORMATION SYSTEM CLASS DIAGRAM:



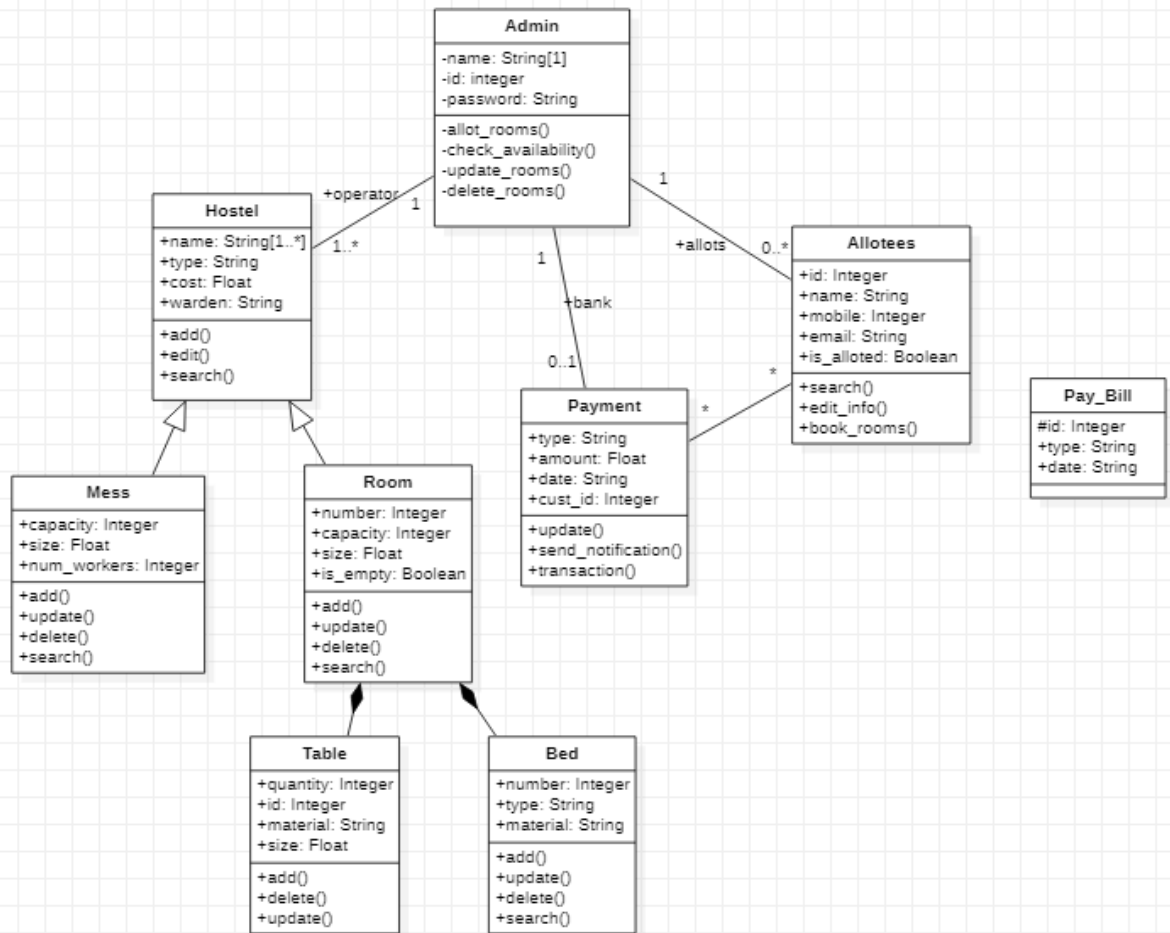
## STATE DIAGRAM:



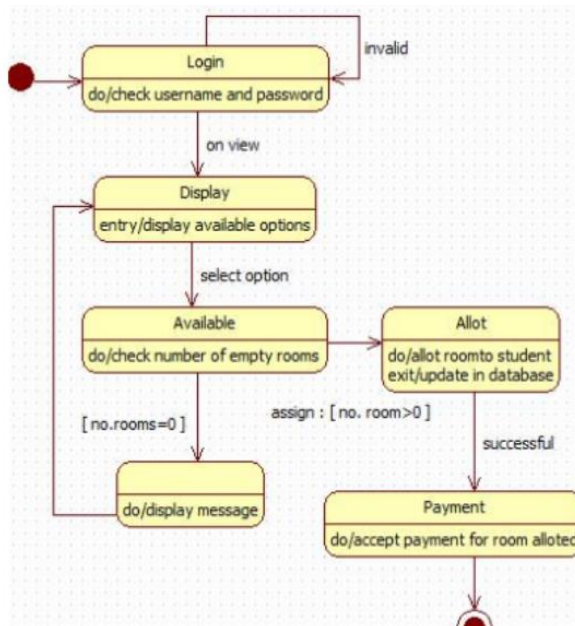
## ADVANCED STATE DIAGRAM:



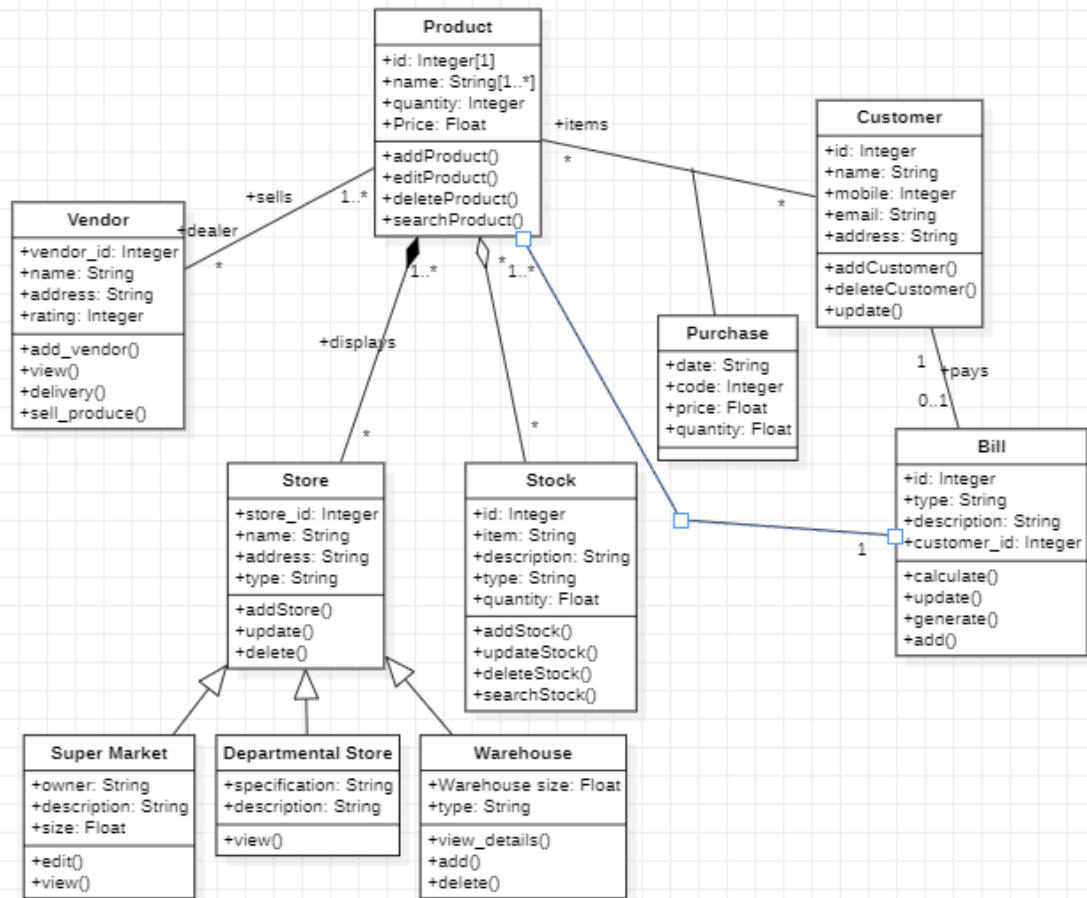
## 2. HOSTEL MANAGEMENT SYSTEM CLASS DIAGRAM:



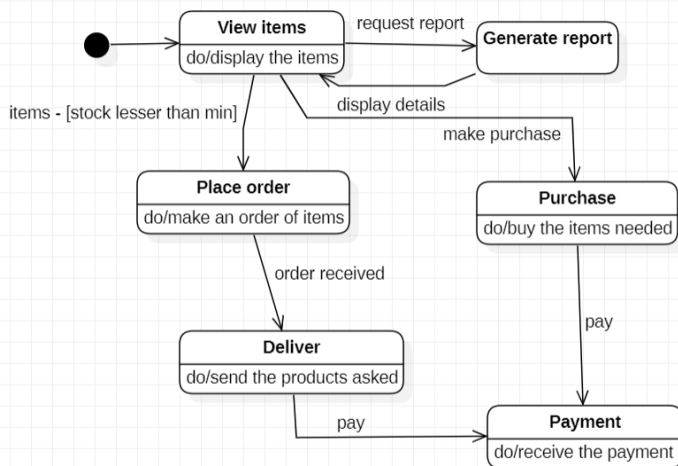
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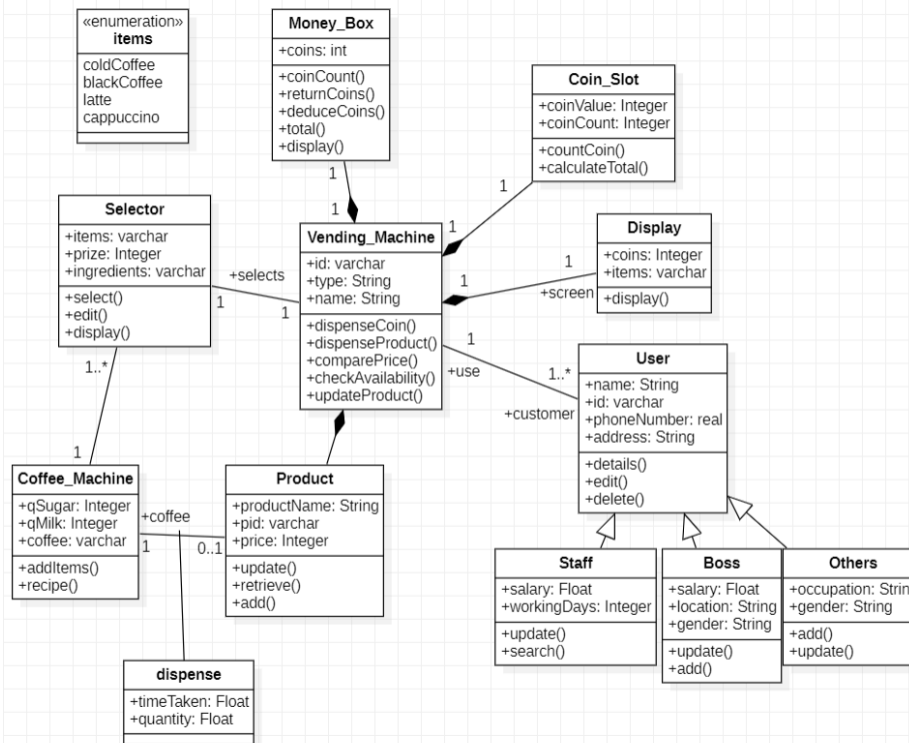
### 3. STOCK MAINTENANCE SYSTEM CLASS DIAGRAM:



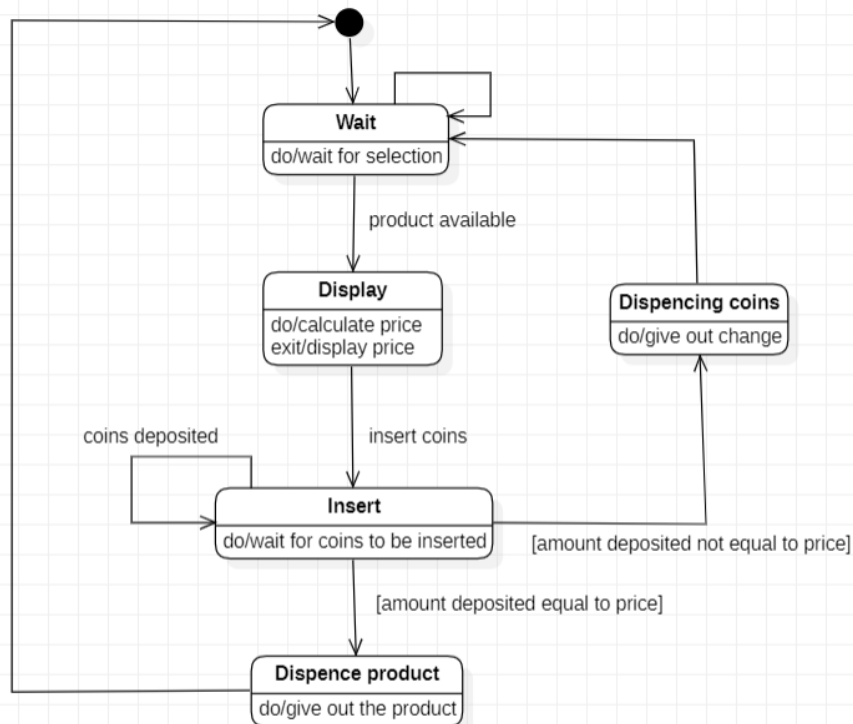
### STATE DIAGRAM:



#### 4. COFFEE VENDING MACHINE CLASS DIAGRAM:

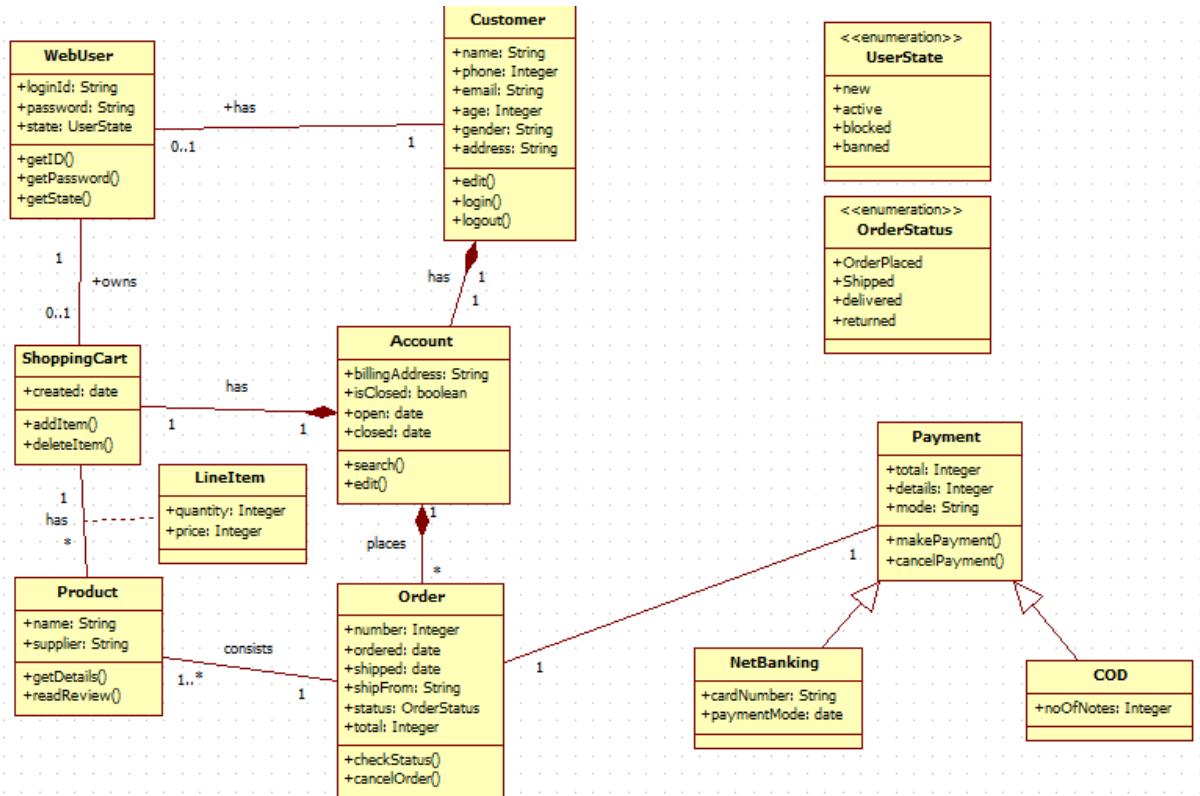


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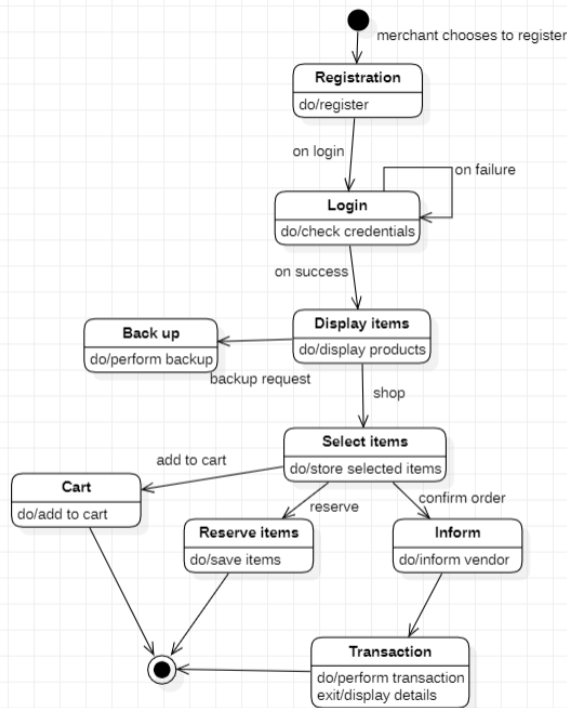




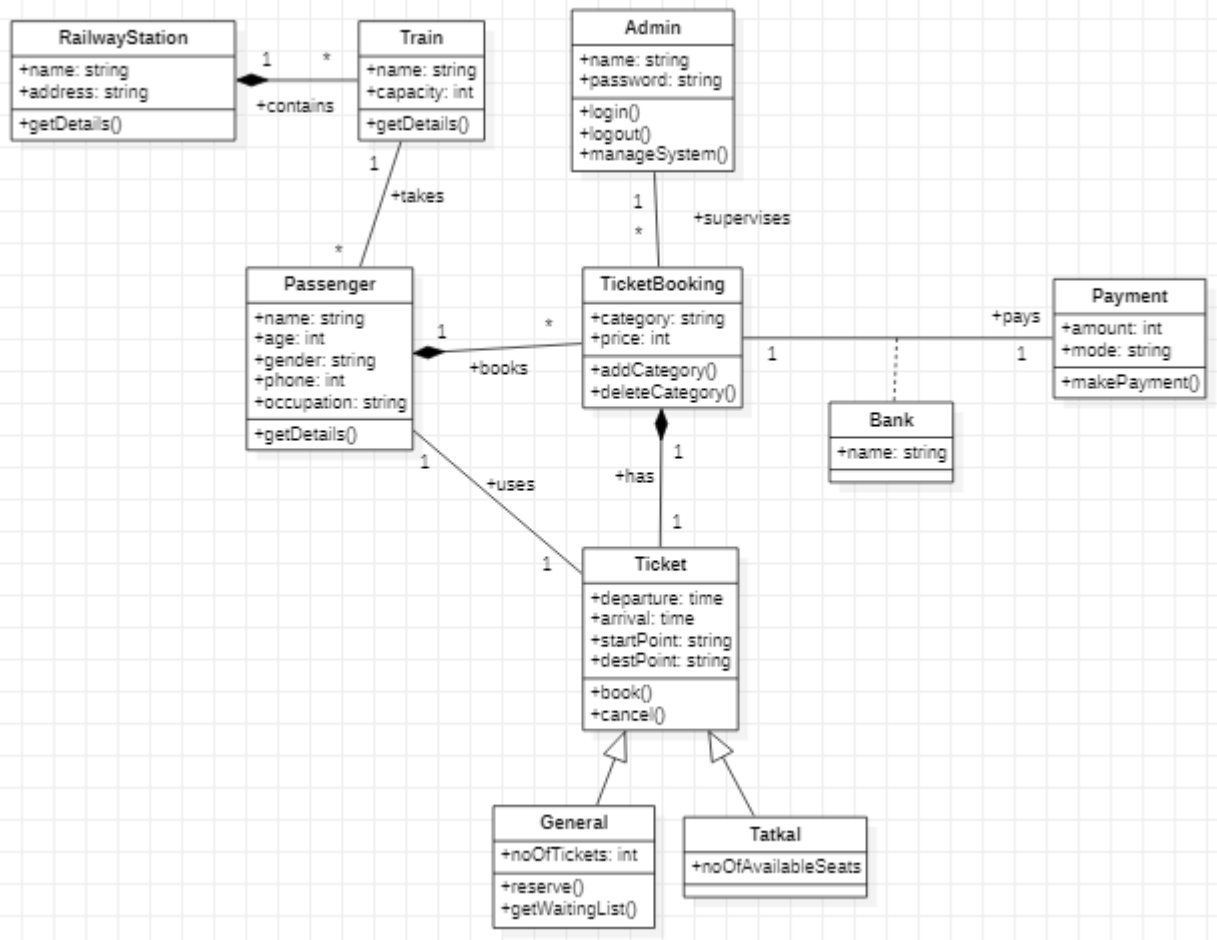
## 5. ONLINE SHOPPING SYSTEM CLASS DIAGRAM:



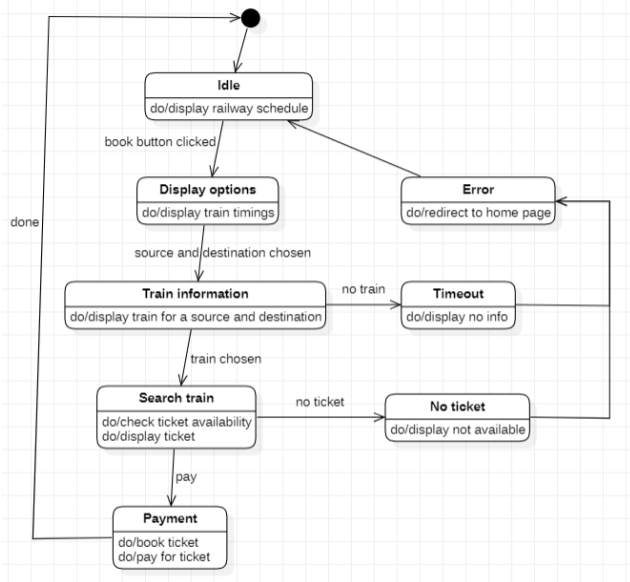
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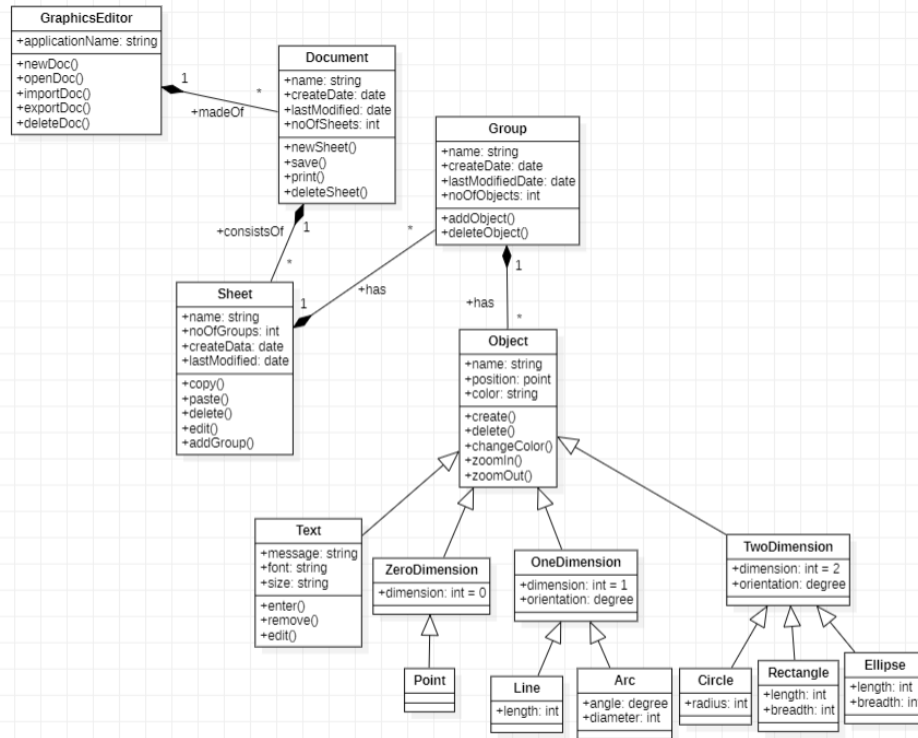
## 6. RAILWAY RESERVATION SYSTEM CLASS DIAGRAM:



## STATE DIAGRAM:



## 7. GRAPHICS EDITOR CLASS DIAGRAM:



## STATE DIAGRAM:

