

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“JnanaSangama”, Belgaum -590014, Karnataka.



## **LAB REPORT**

**on**

## **OBJECT ORIENTED MODELLING AND DESIGN**

*Submitted by*

**Roshni Dash (1BM19CS133)**

*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 **Roshni Dash (1BM19CS133)**, 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.

**Sheetal V A**  
Assistant Professor  
Department of CSE  
BMSCE, Bengaluru

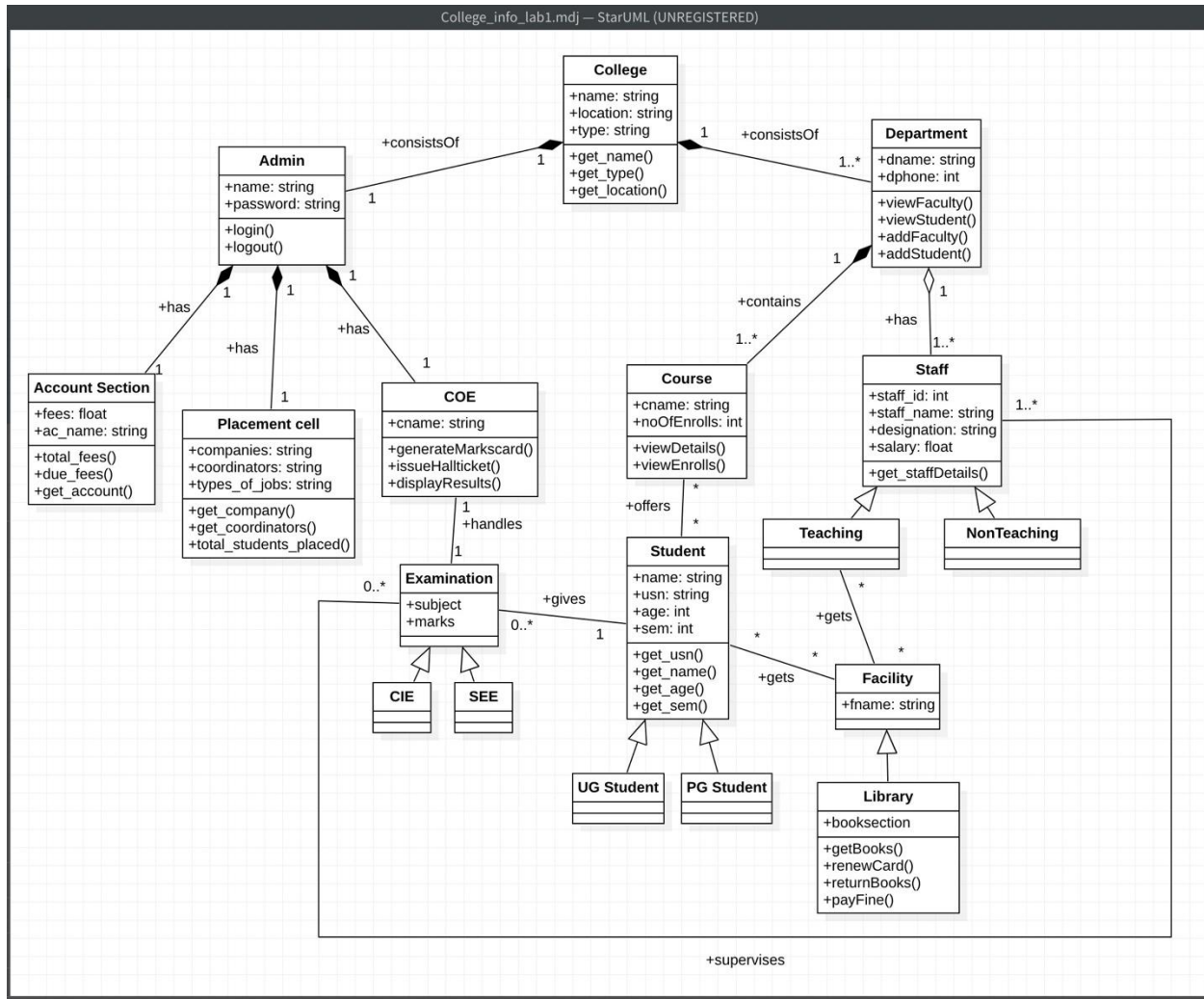
**Dr. Jyothi S Nayak**  
Professor and Head  
Department of CSE  
BMSCE, Bengaluru

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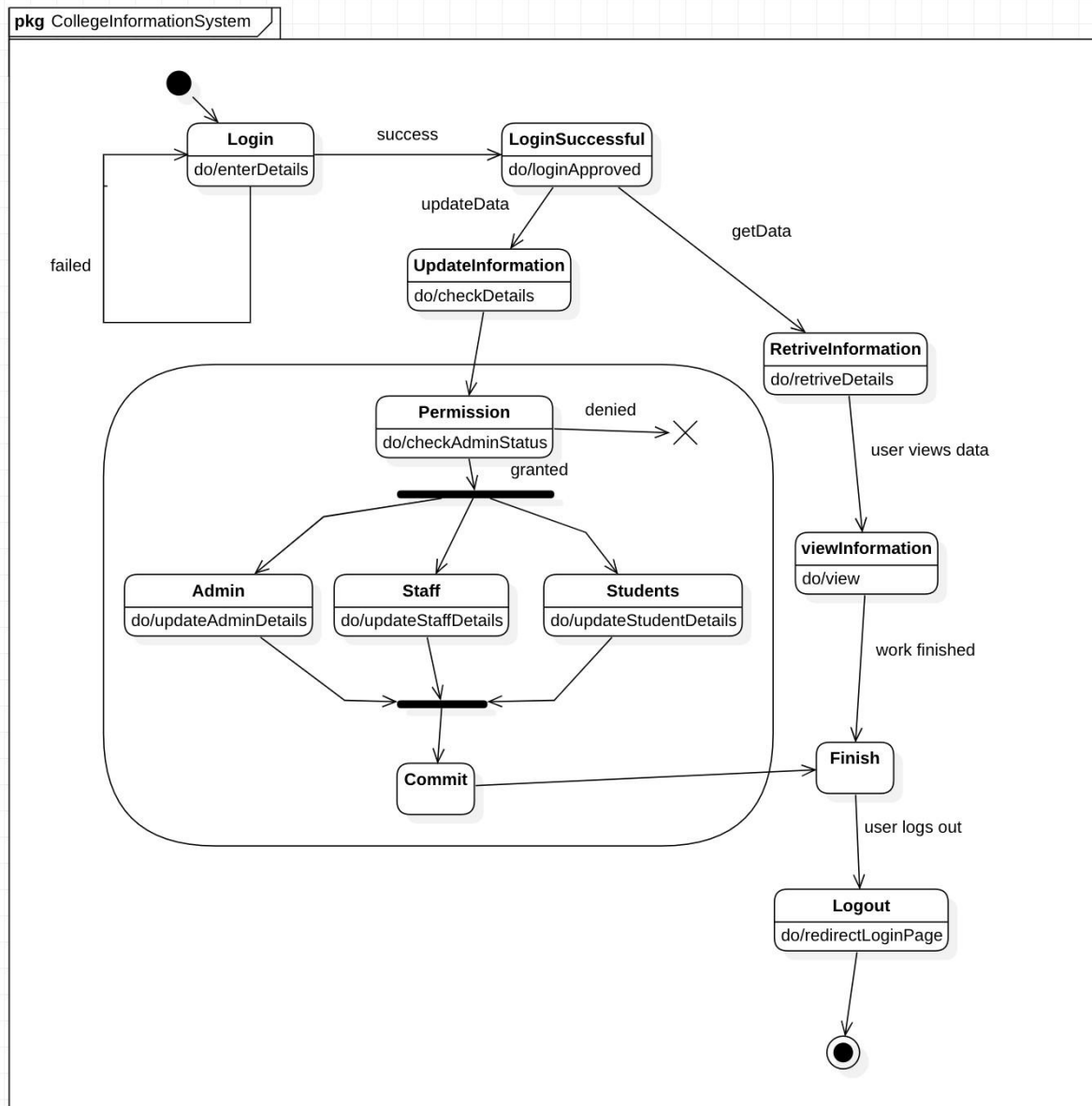
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# 1. COLLEGE INFORMATION SYSTEM

Advanced Class Diagram :

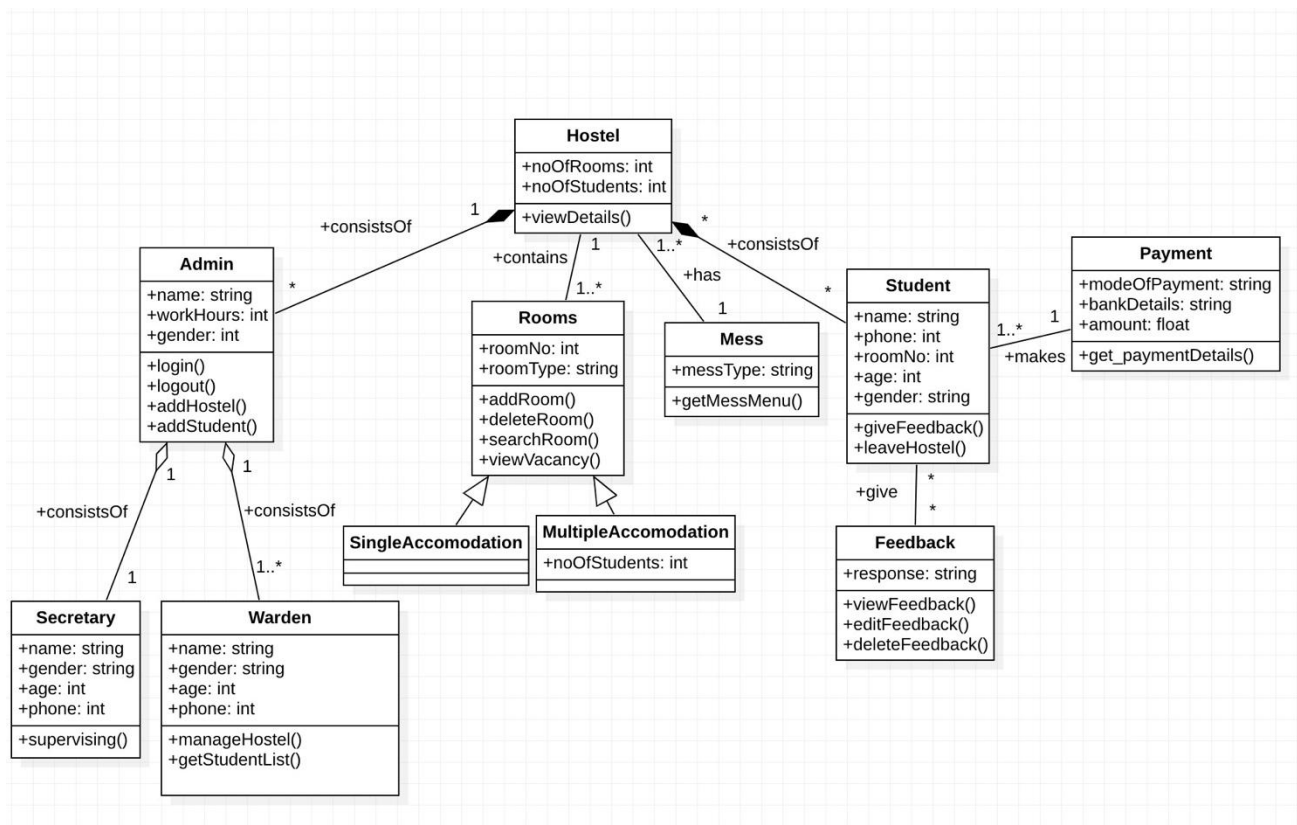


## Advanced State Diagram :

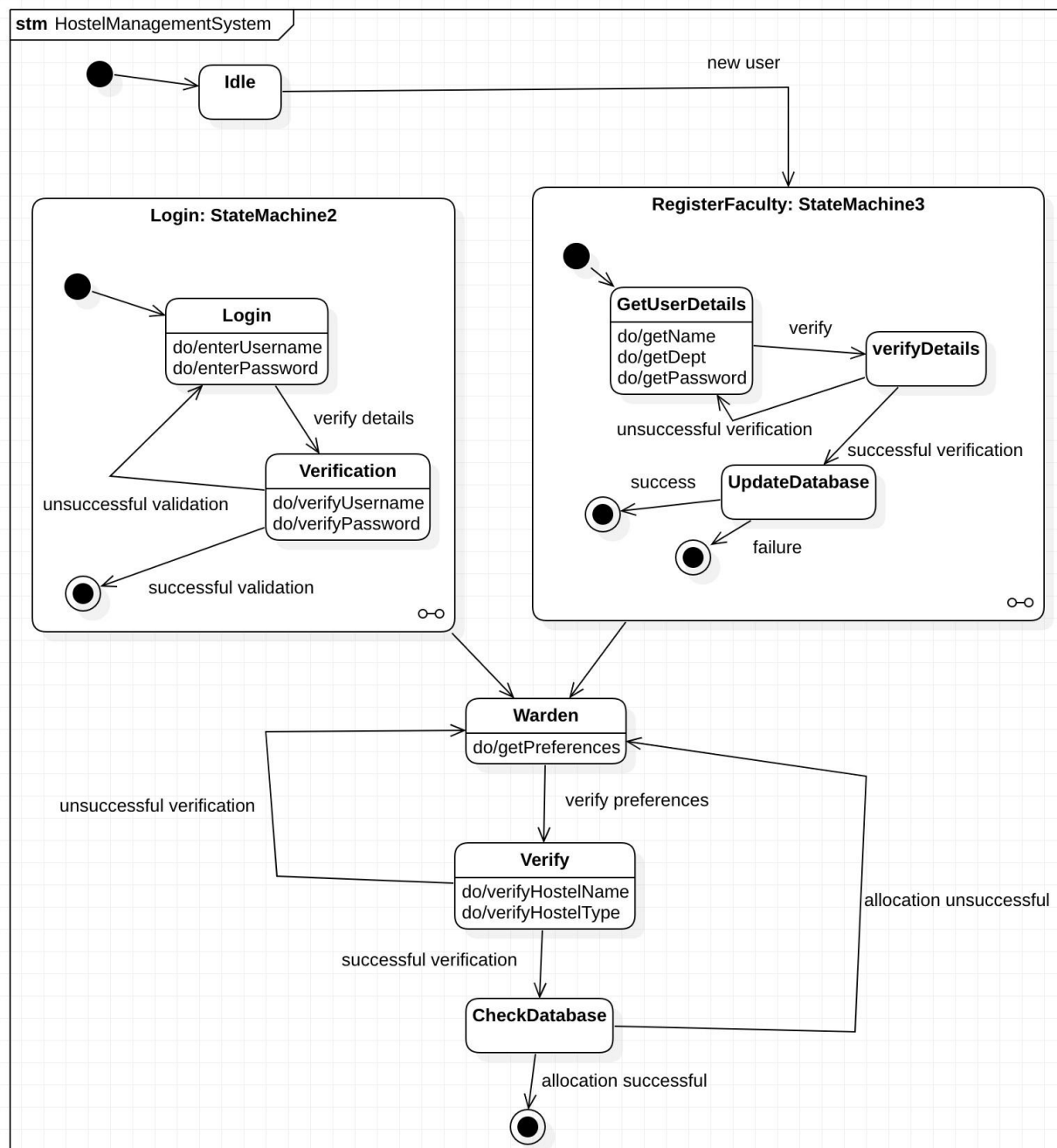


## 2. HOSTEL MANAGEMENT SYSTEM

Advanced Class Diagram :

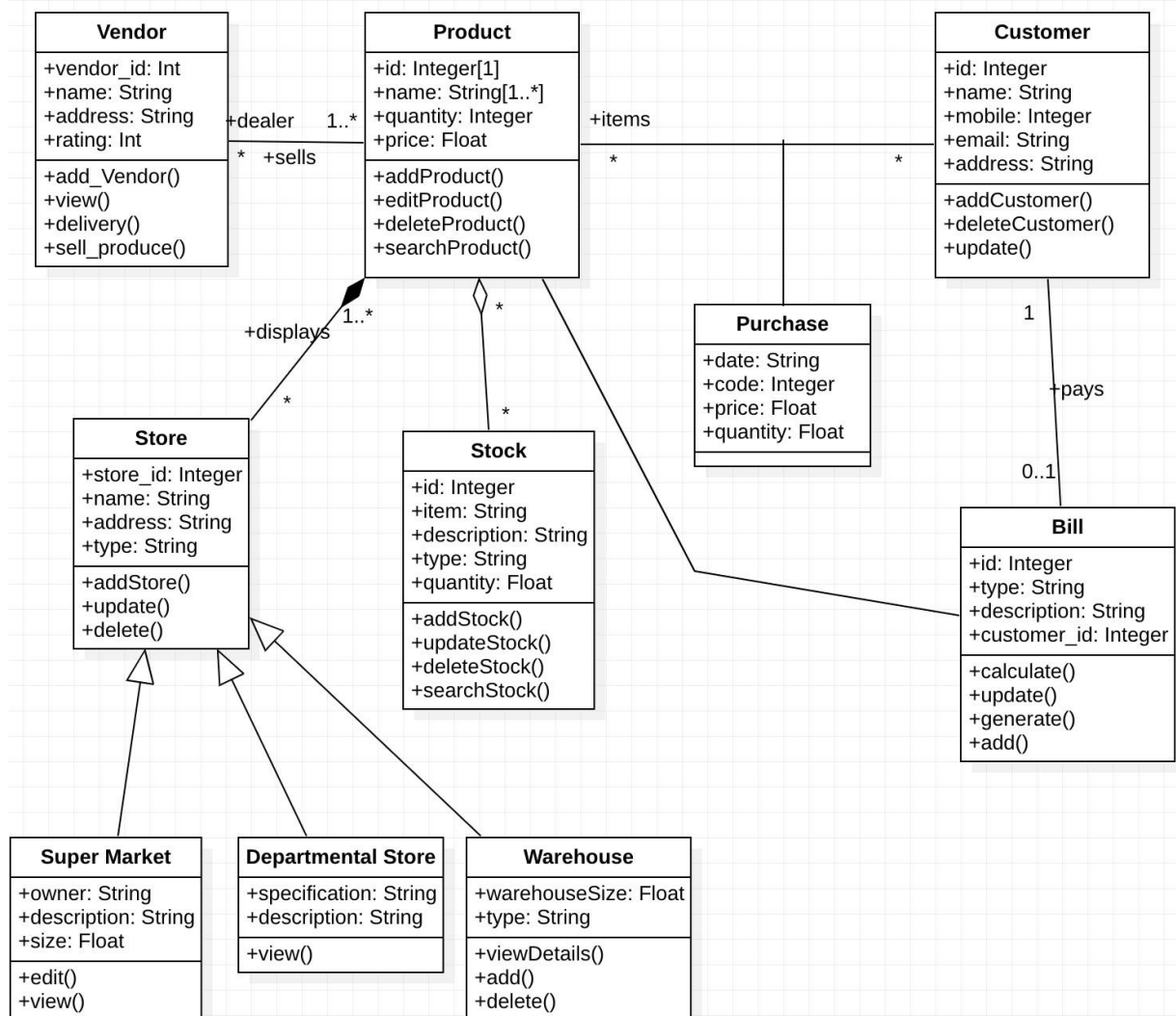


## Advanced State Diagram :



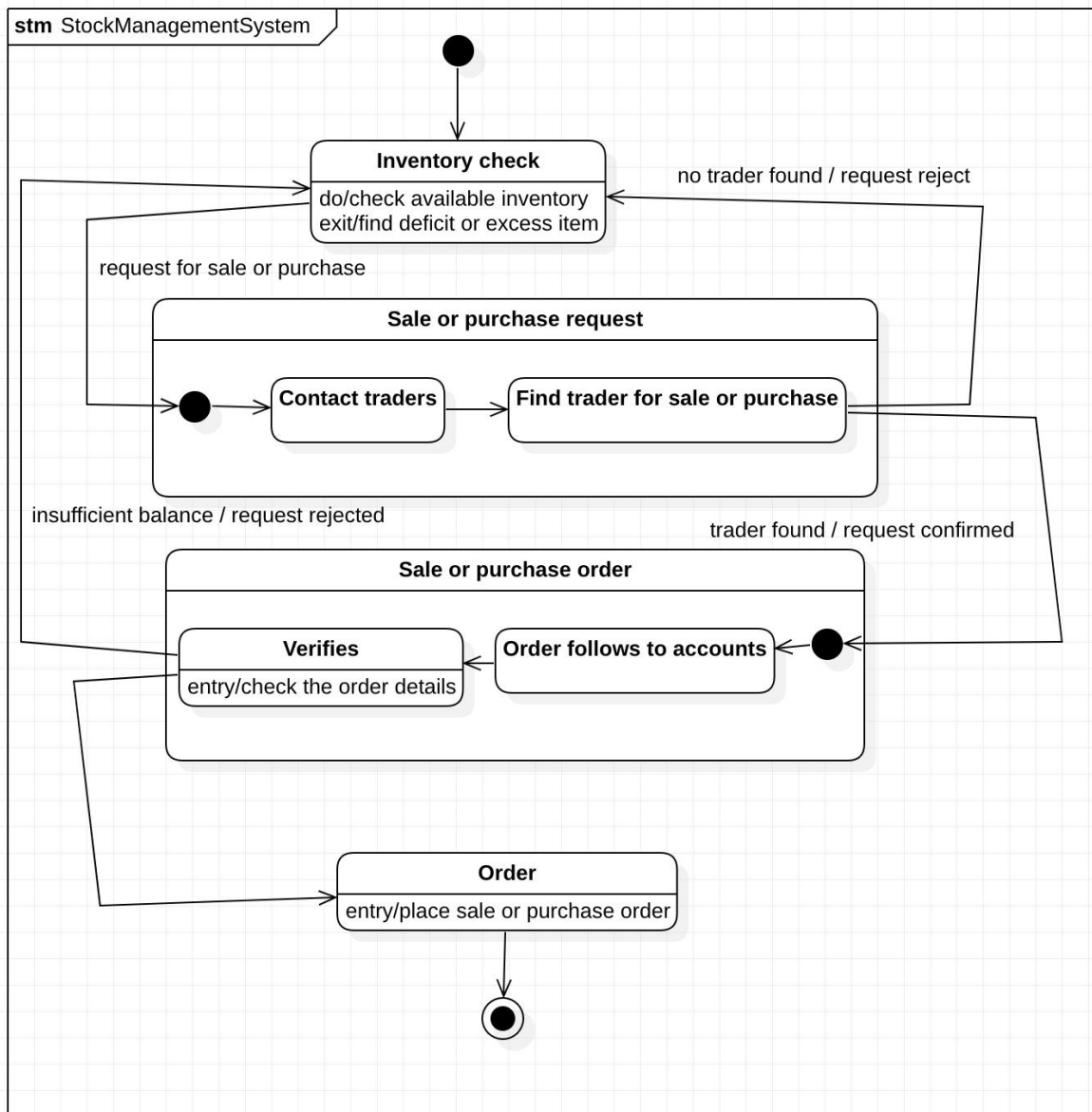
### 3. STOCK MANAGEMENT SYSTEM

Advanced Class Diagram :



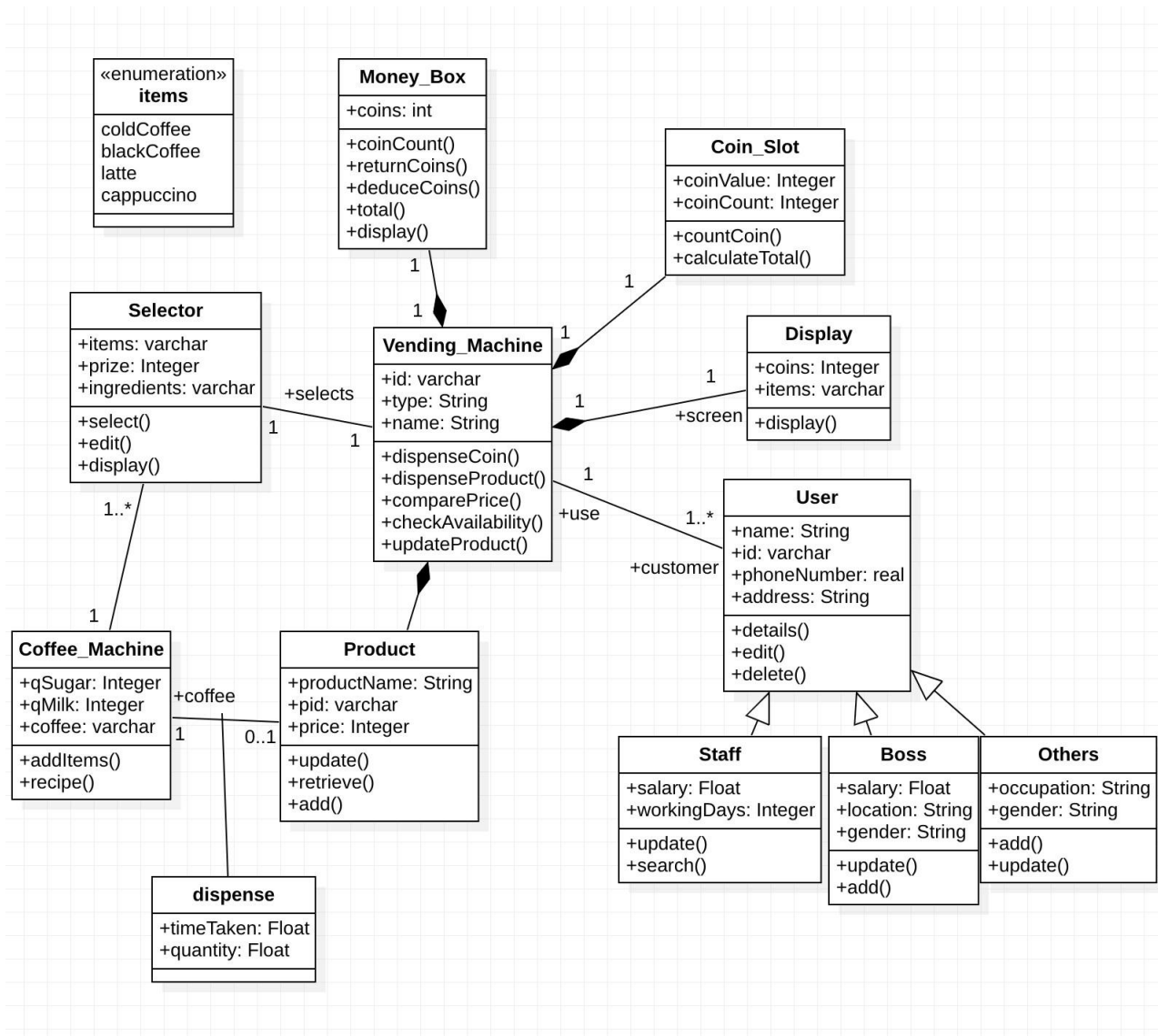


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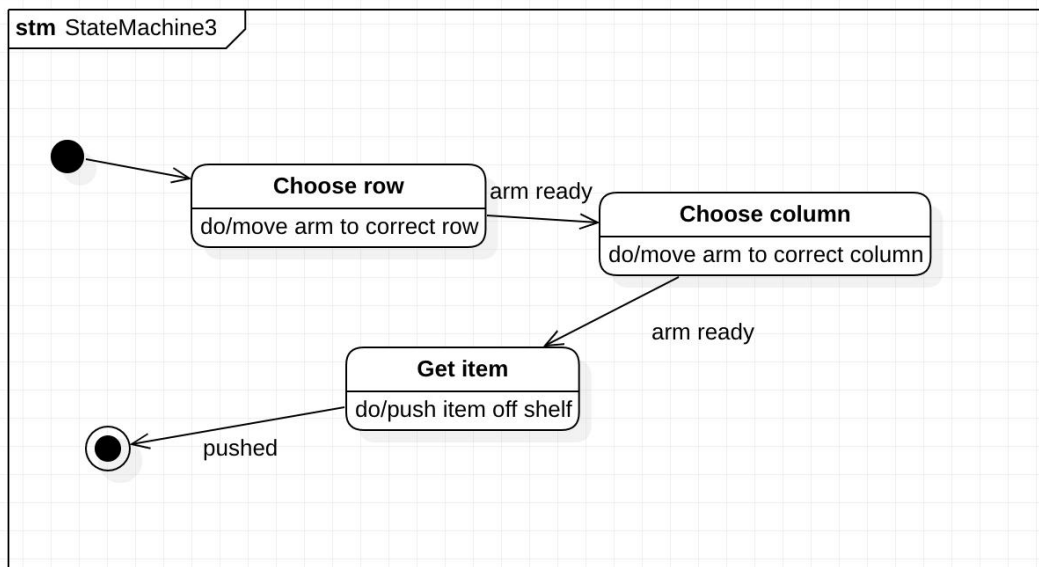
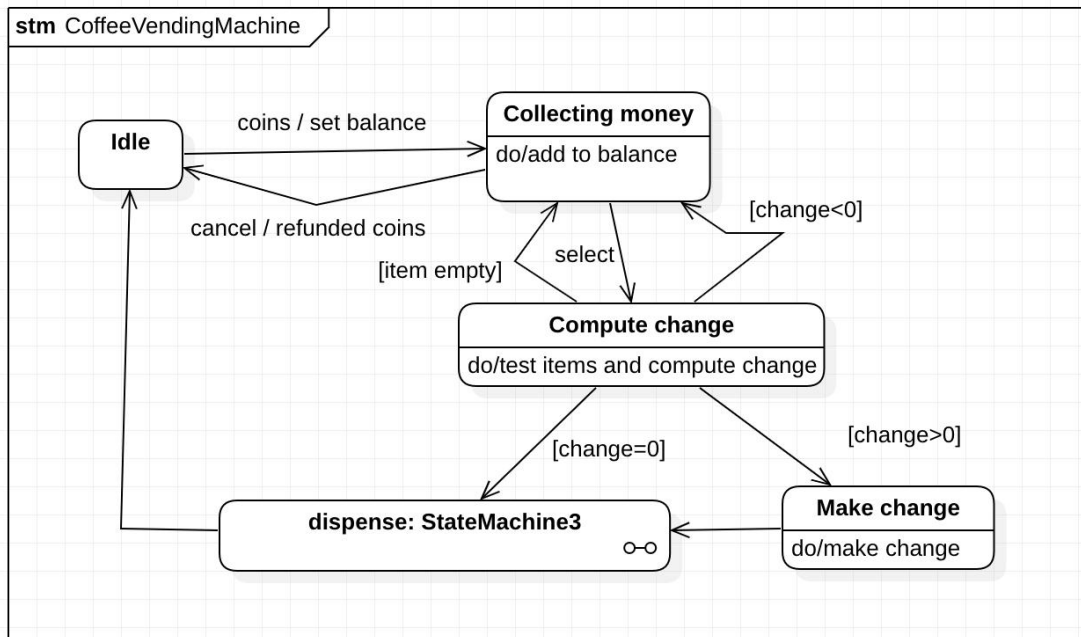


## 4. COFFEE VENDING MACHINE

Advanced Class Diagram :

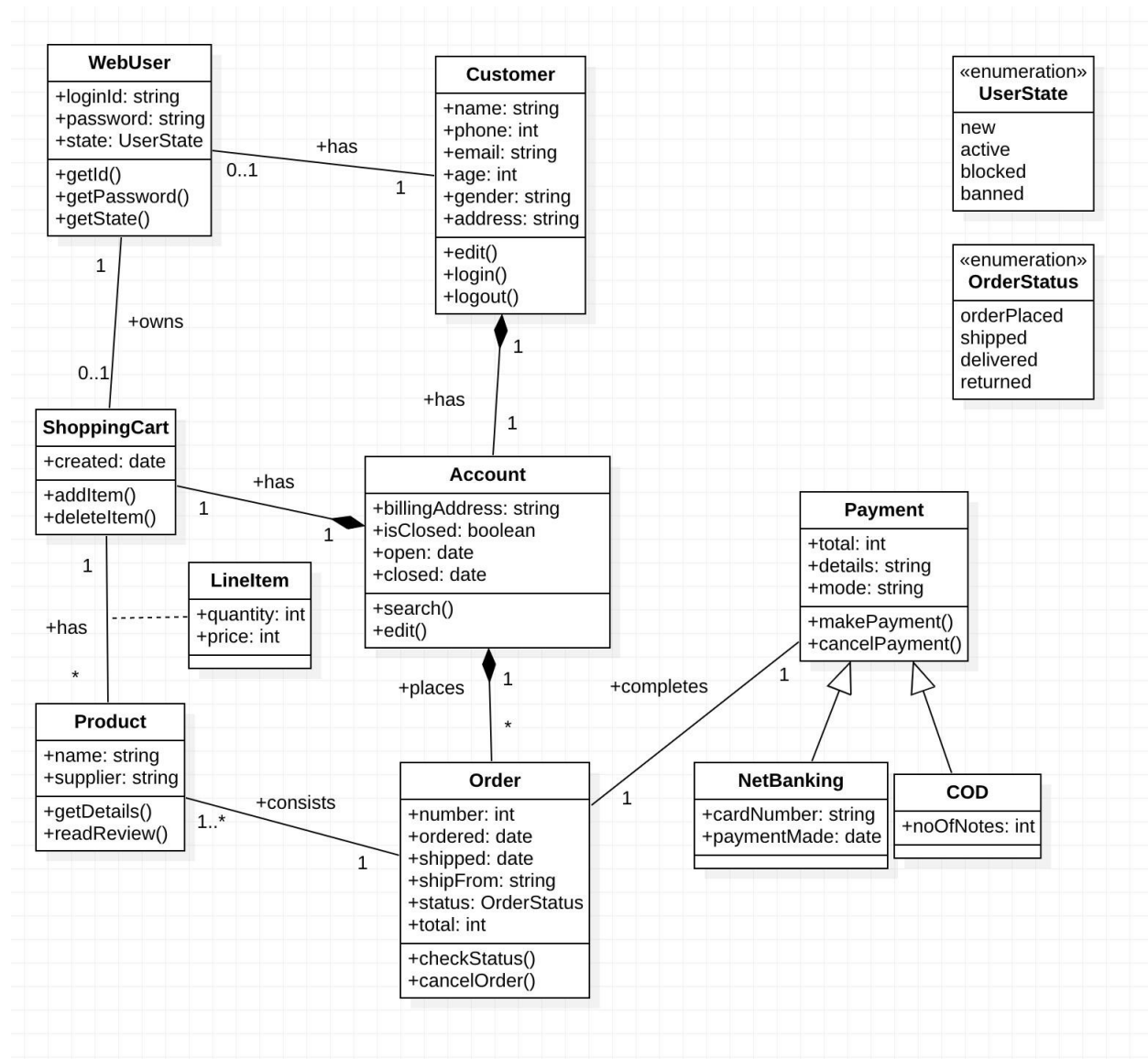


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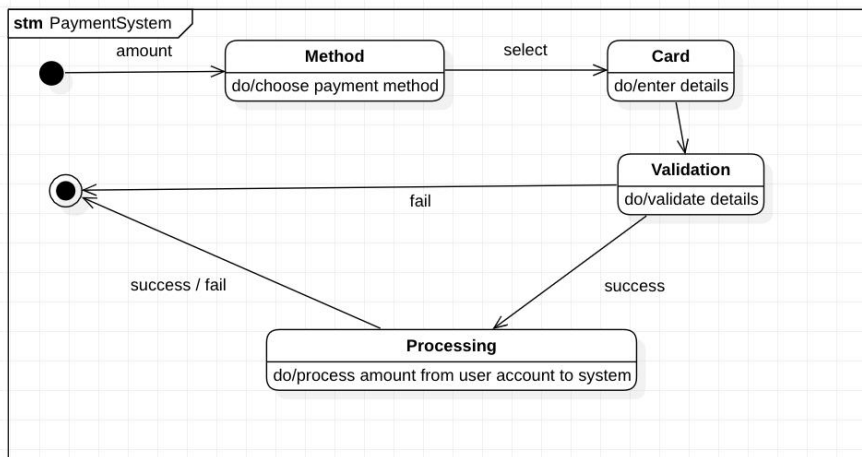
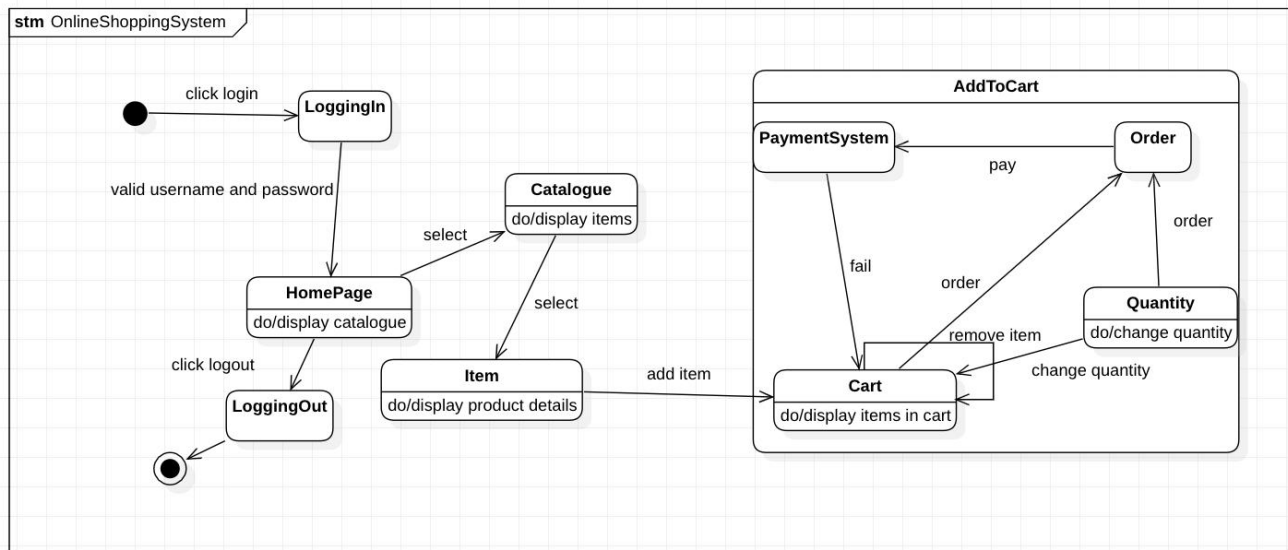


## 5. ONLINE SHOPPING SYSTEM

Advanced Class Diagram :

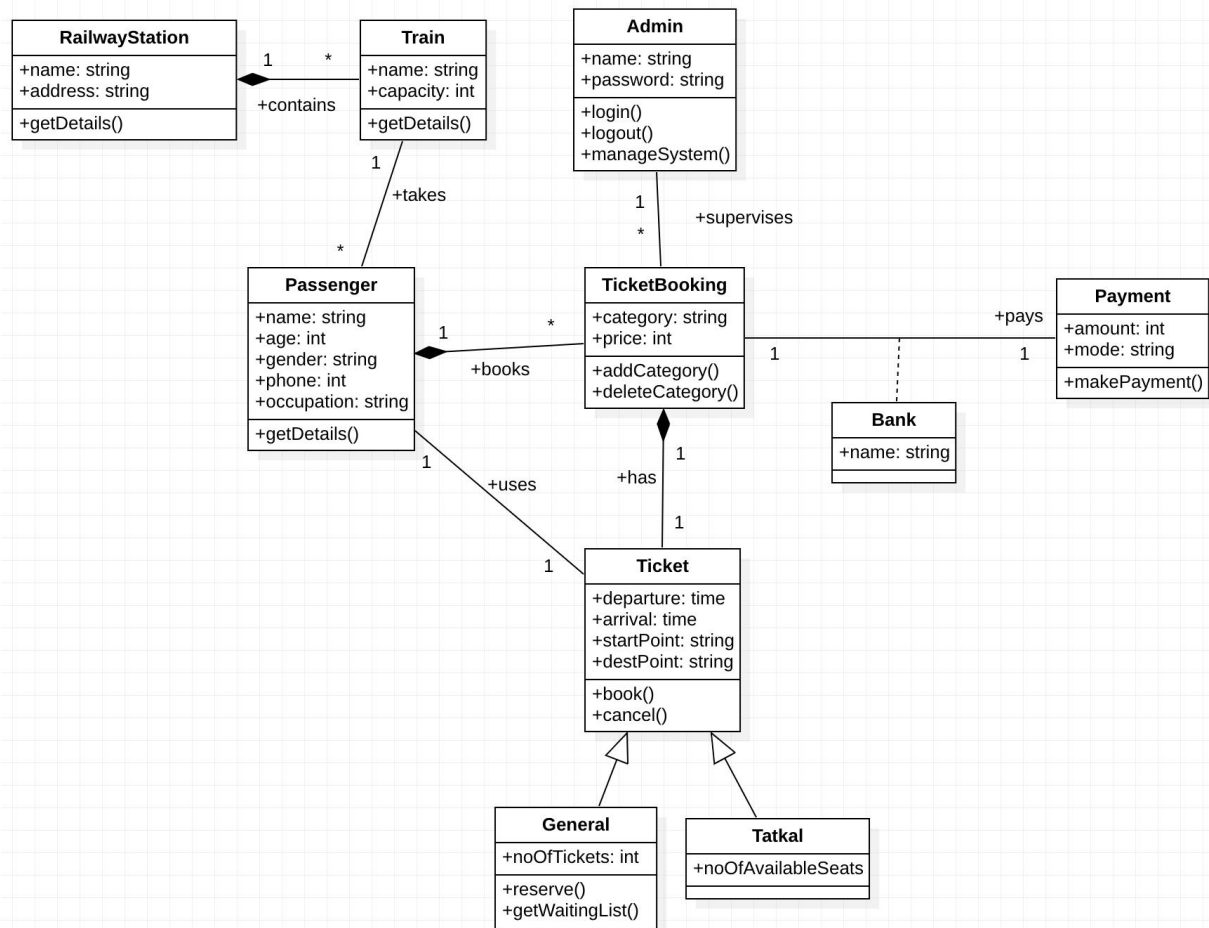


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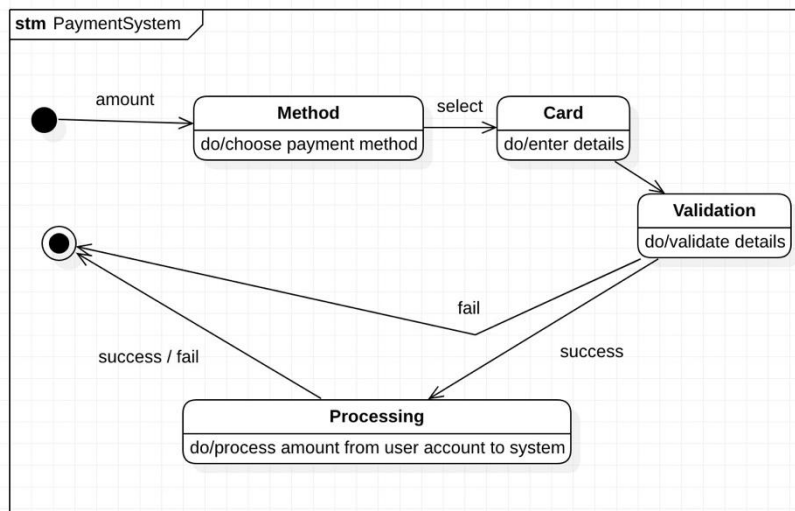
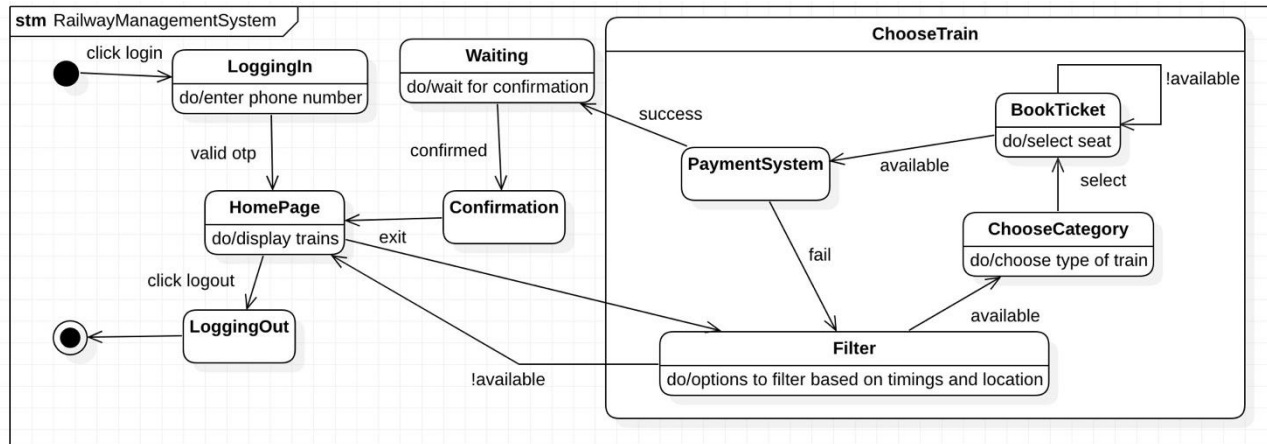


## 6. RAILWAY RESERVATION SYSTEM

Advanced Class Diagram :

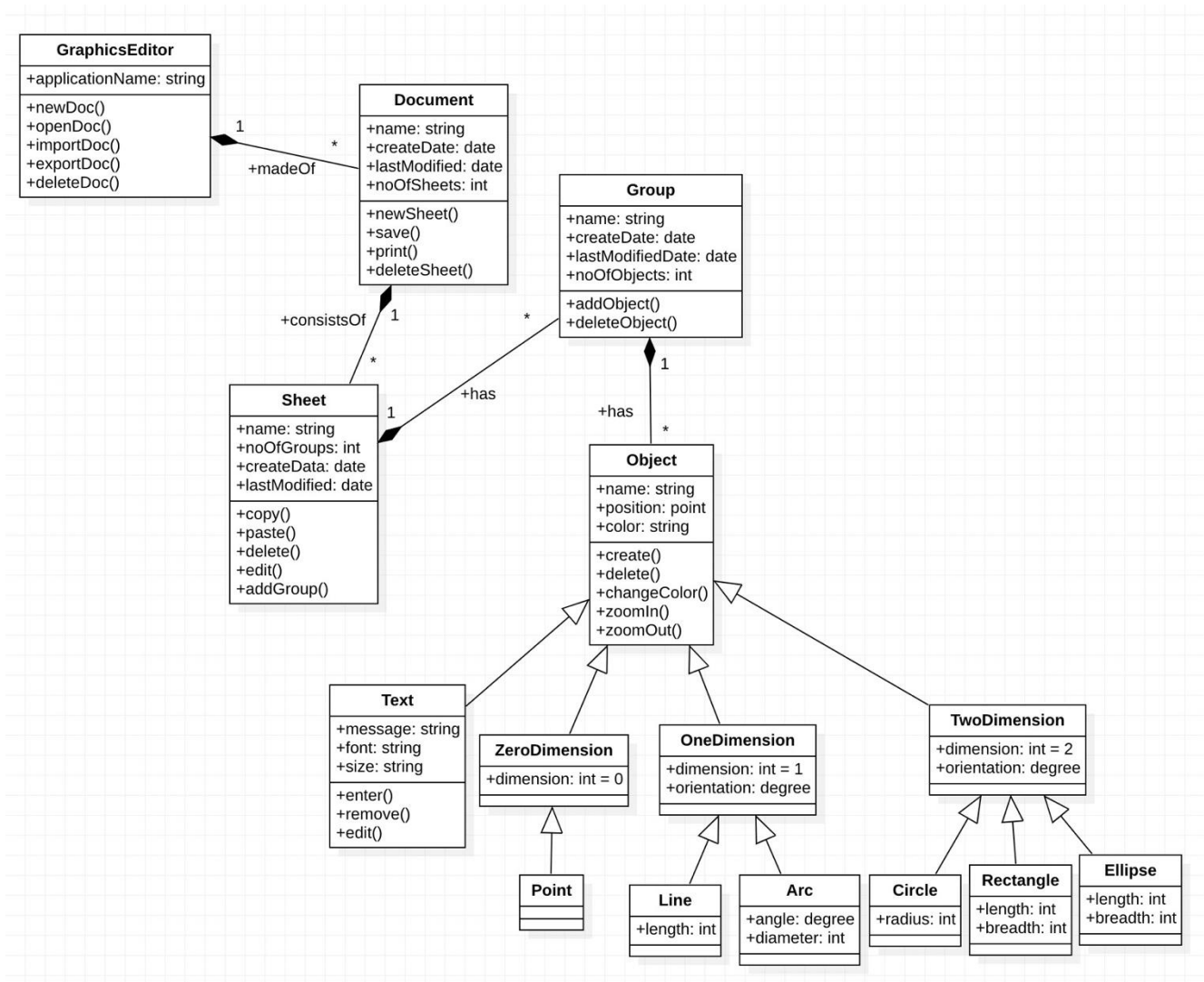


## Advanced State Diagram :



## 7. GRAPHICS EDITOR SYSTEM

Advanced Class Diagram :





## Advanced State Diagram :

