# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

**"JnanaSangama", Belgaum -590014, Karnataka.**

**LAB REPORT**
**on**

# OBJECT ORIENTED MODELLING AND DESIGN

***Submitted by***

**S R Pooja (1BM19CS135)**

***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 **S R POOJA (1BM19CS135),** 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.


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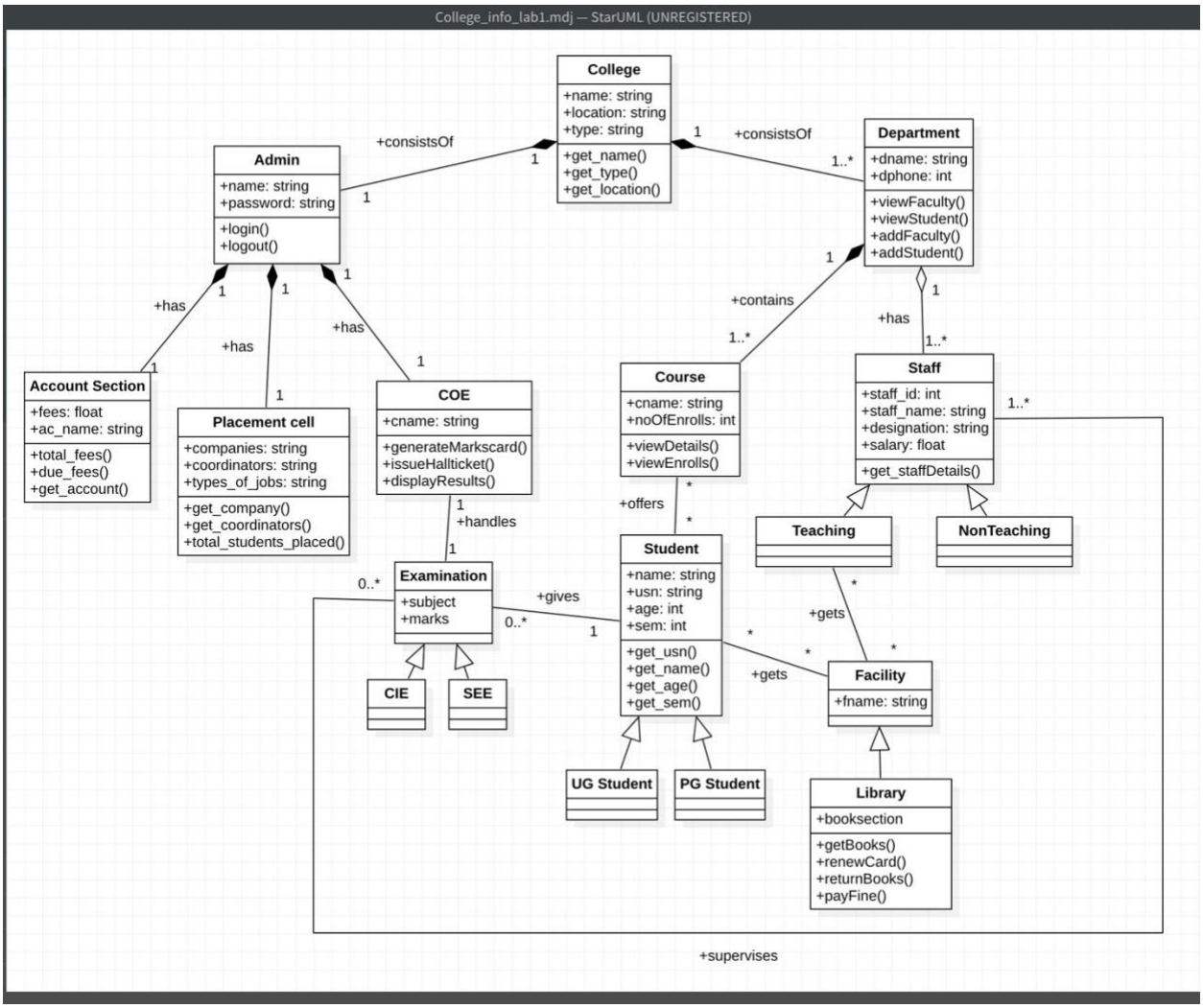
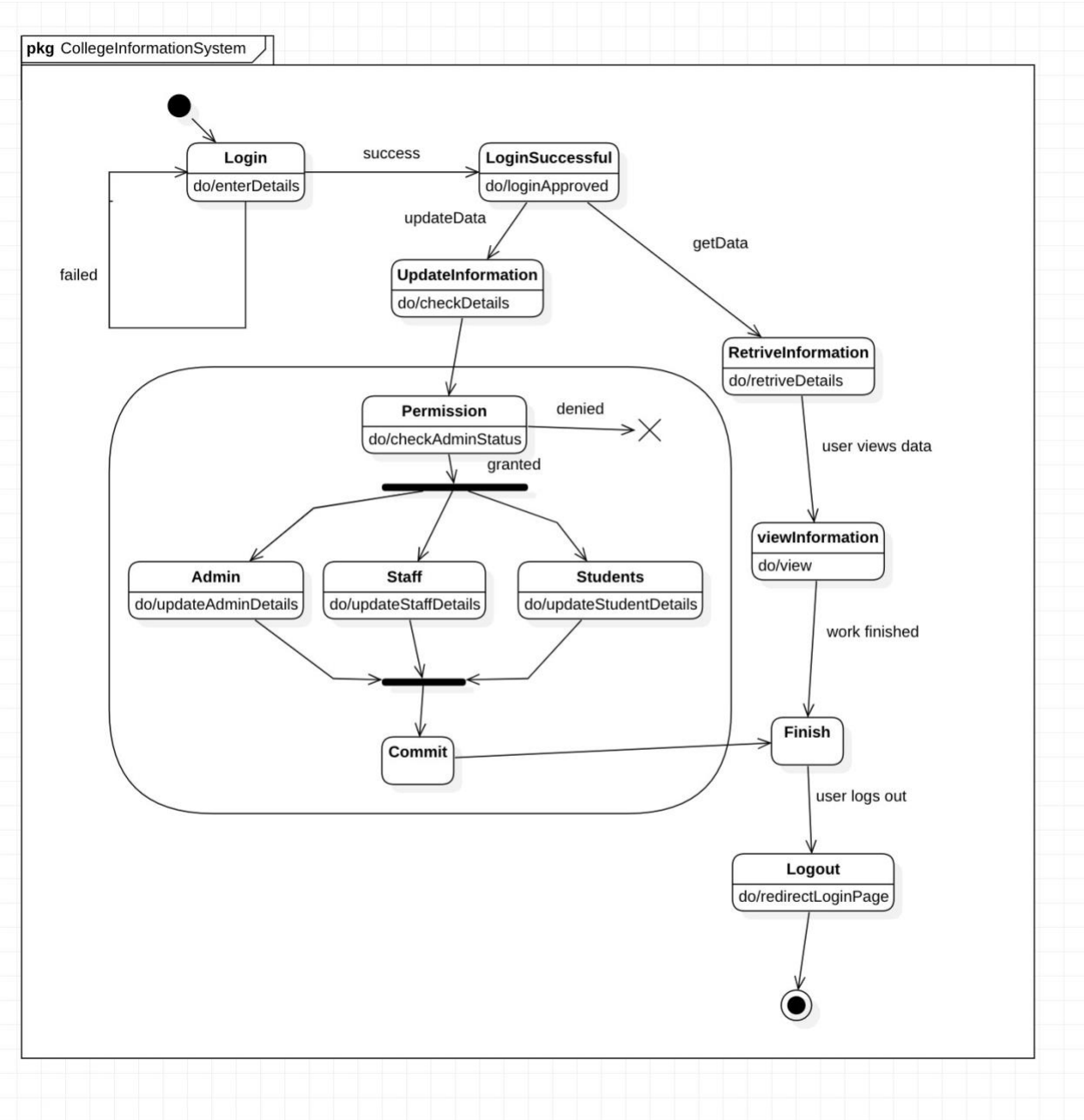
# 1. COLLEGE INFORMATION SYSTEM

Advanced Class Diagram :

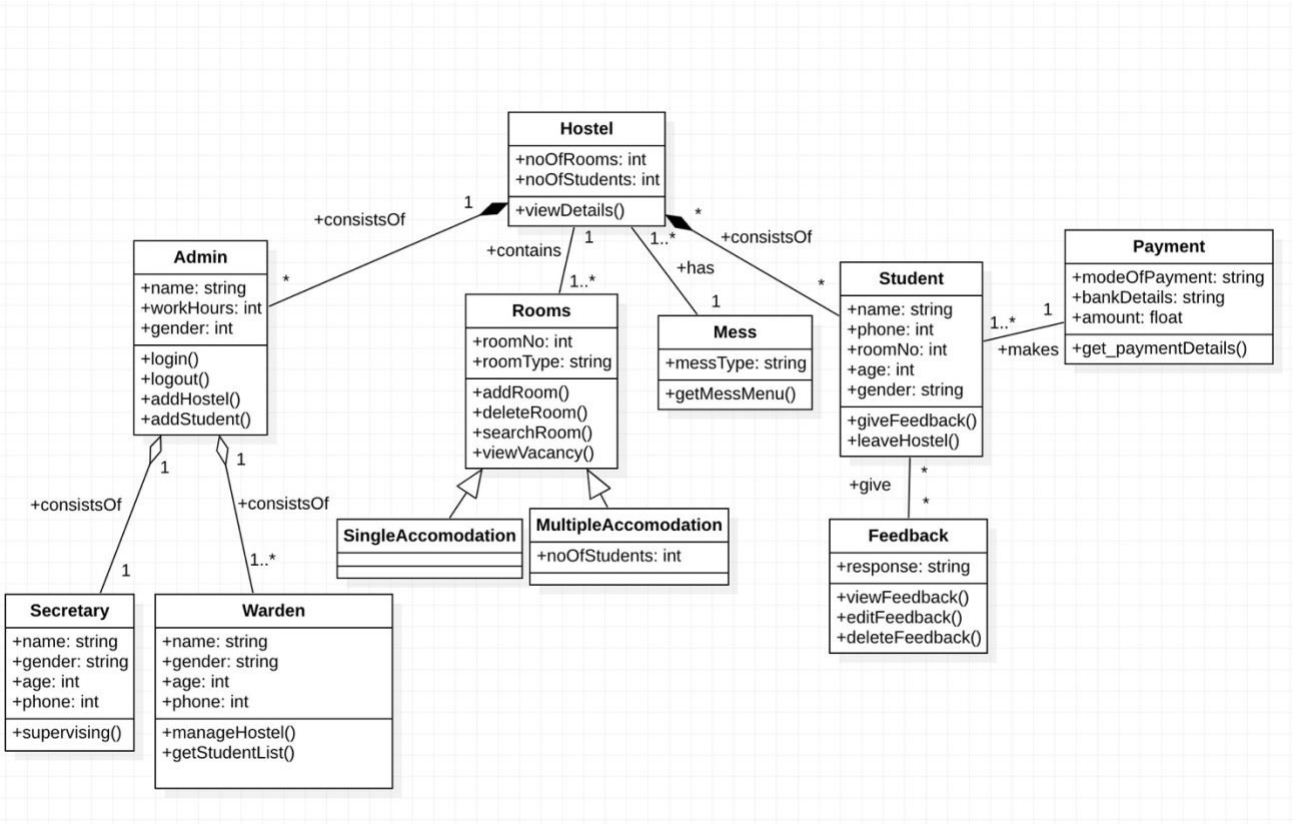


Advanced State Diagram :

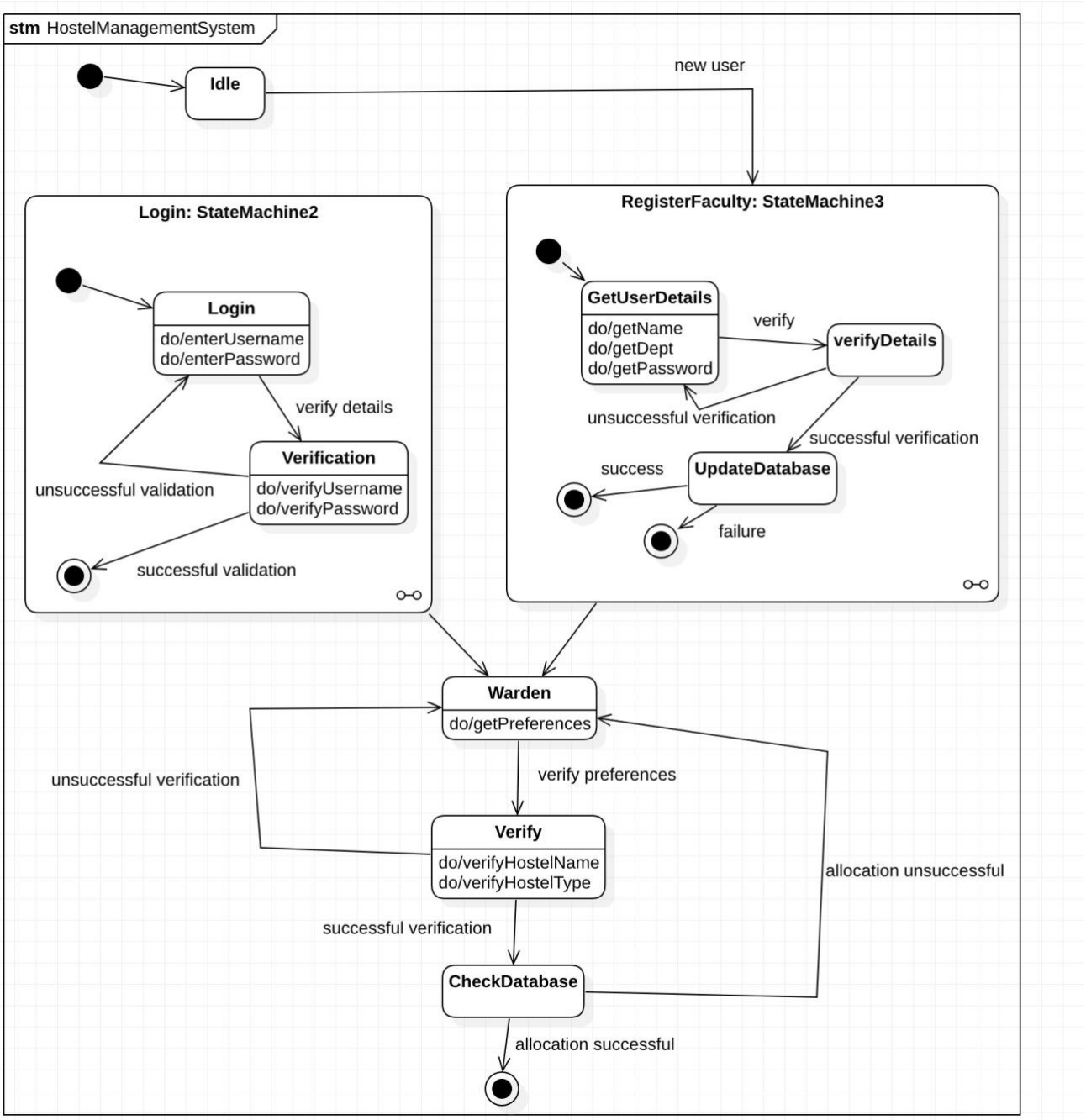


## 2. HOSTEL MANAGEMENT SYSTEM

Advanced Class Diagram :

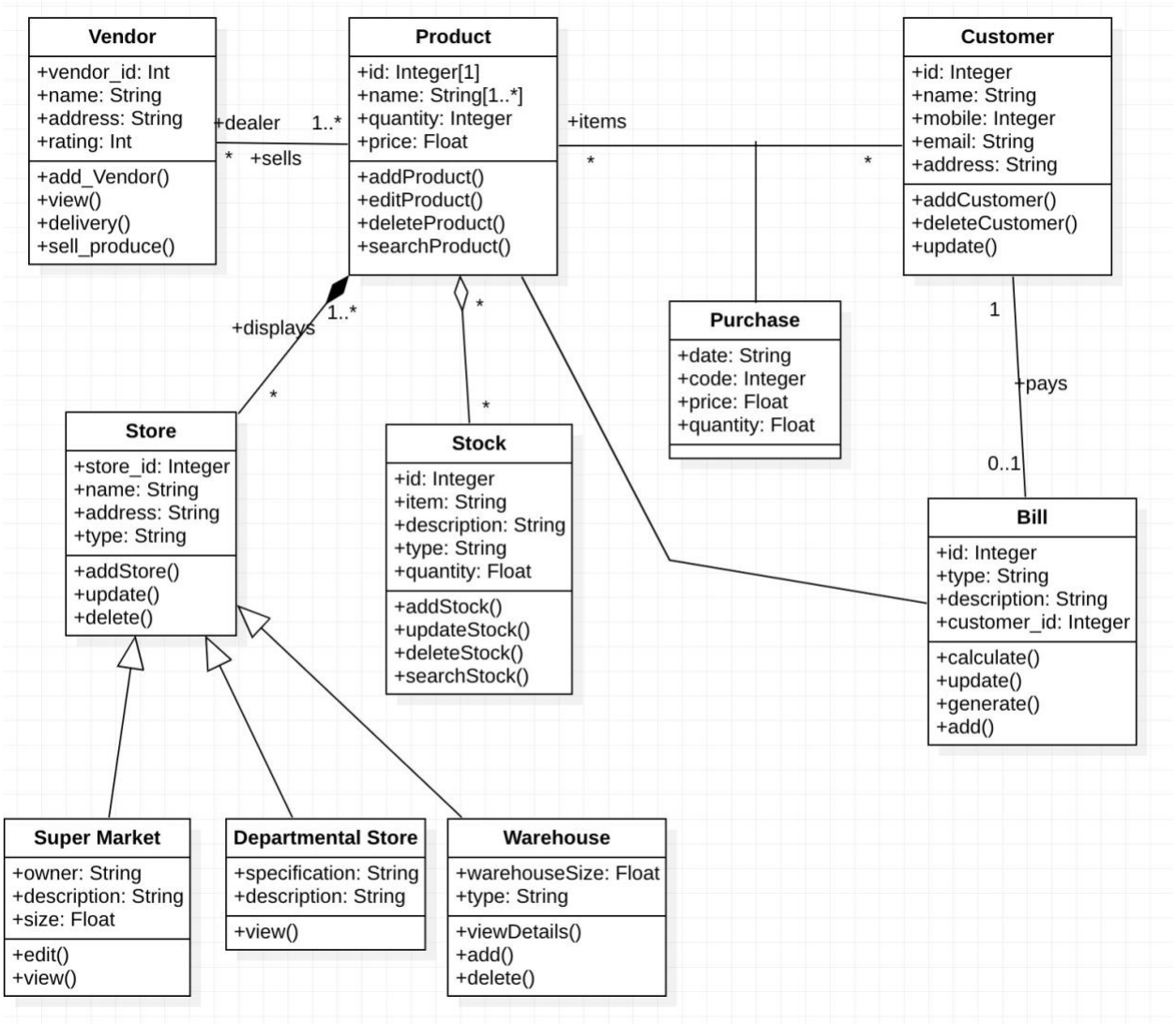


Advanced State Diagram :

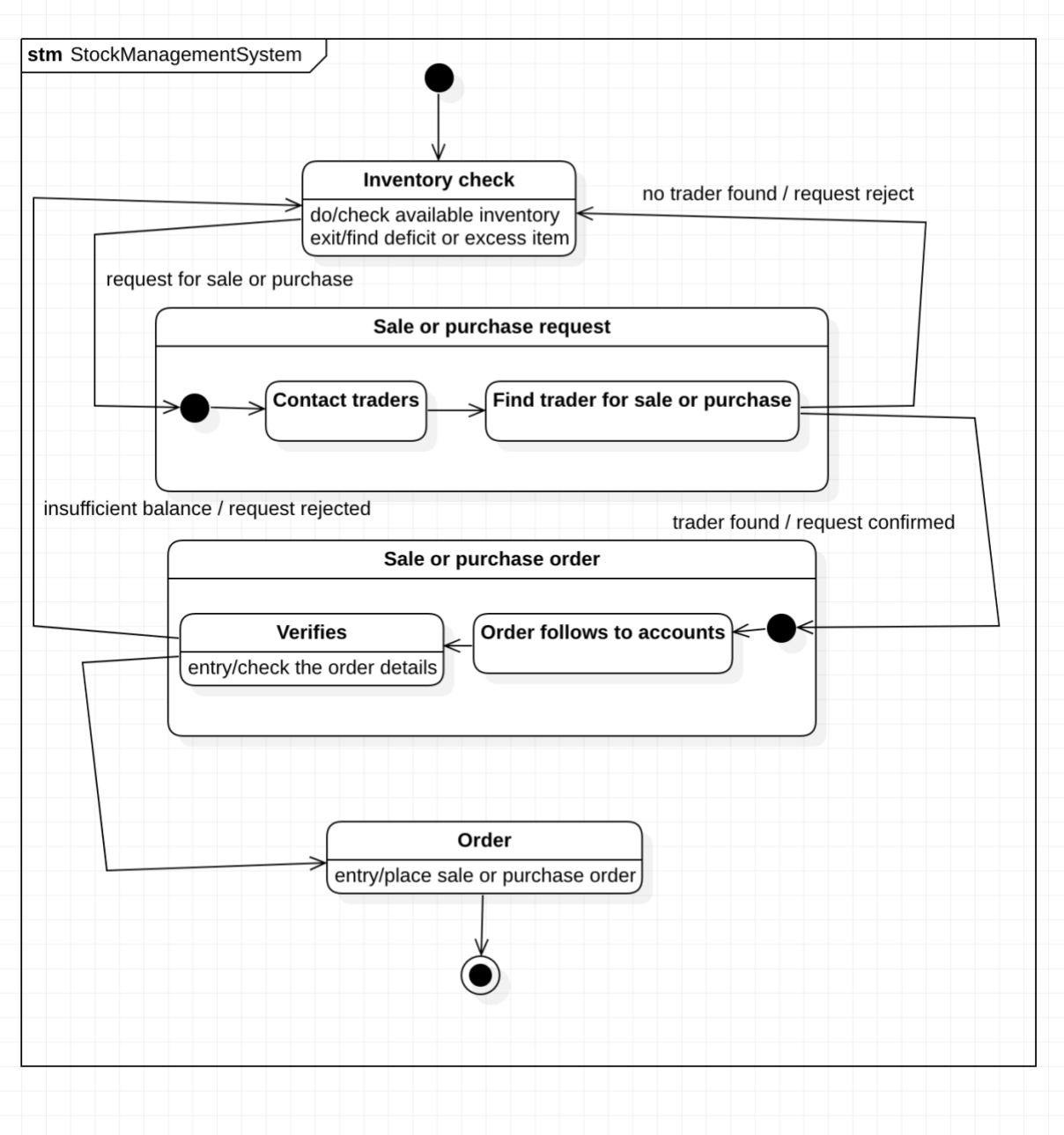


## 3. STOCK MANAGEMENT SYSTEM

Advanced Class Diagram :

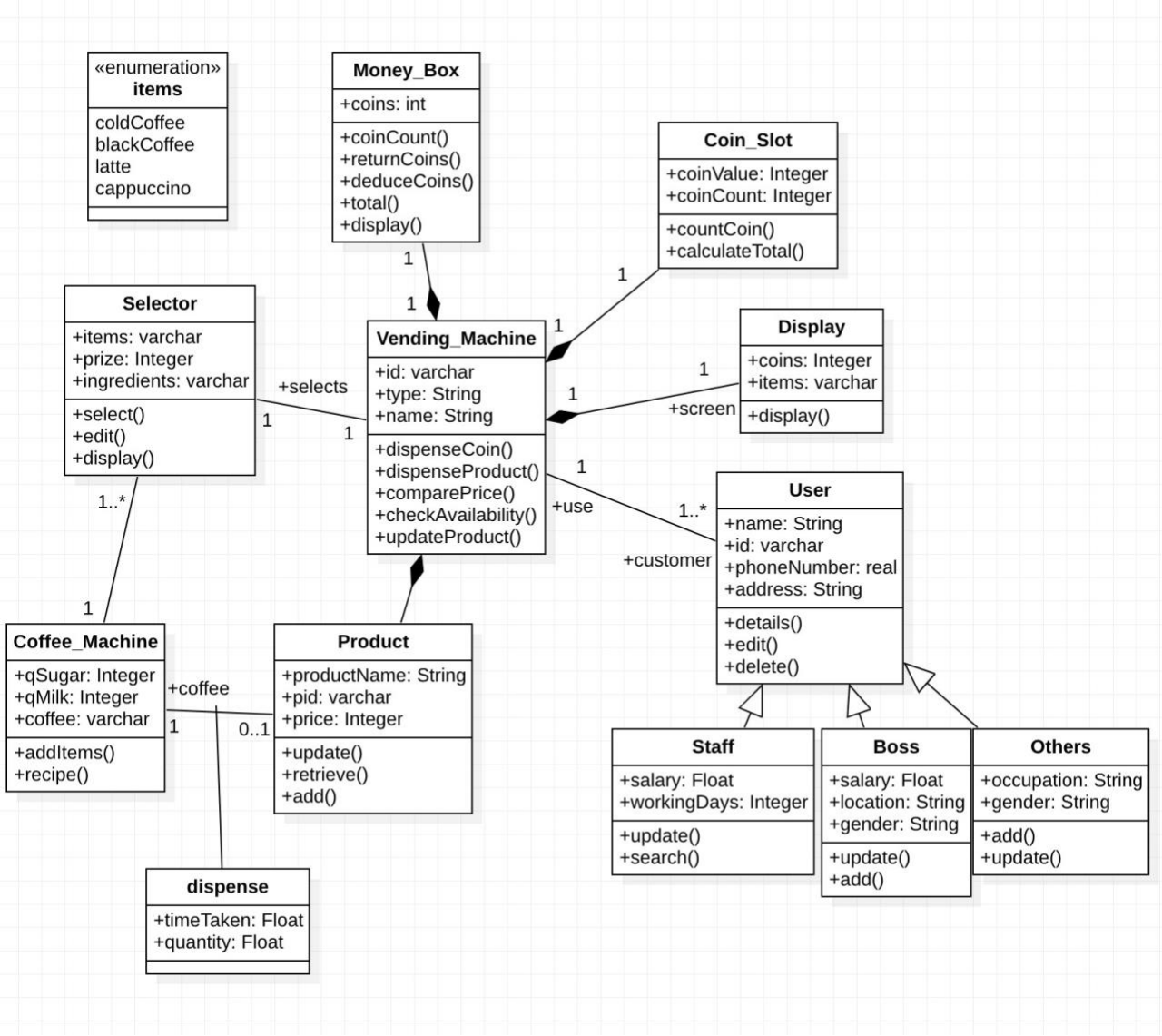


Advanced State Diagram :



## 4. COFFEE VENDING MACHINE

Advanced Class Diagram :



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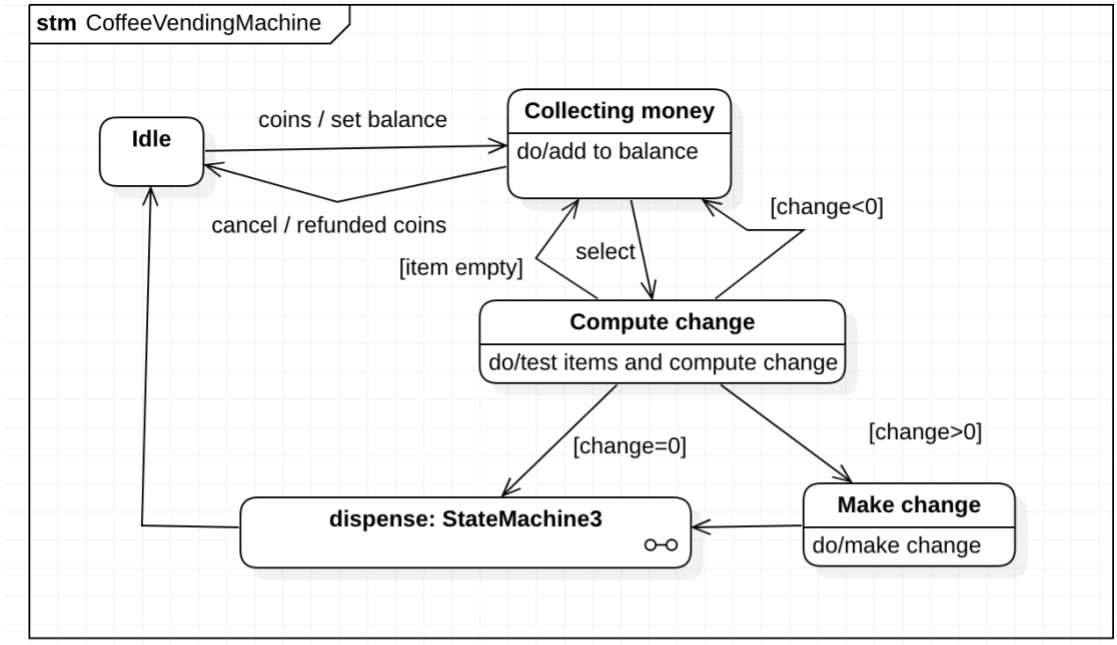
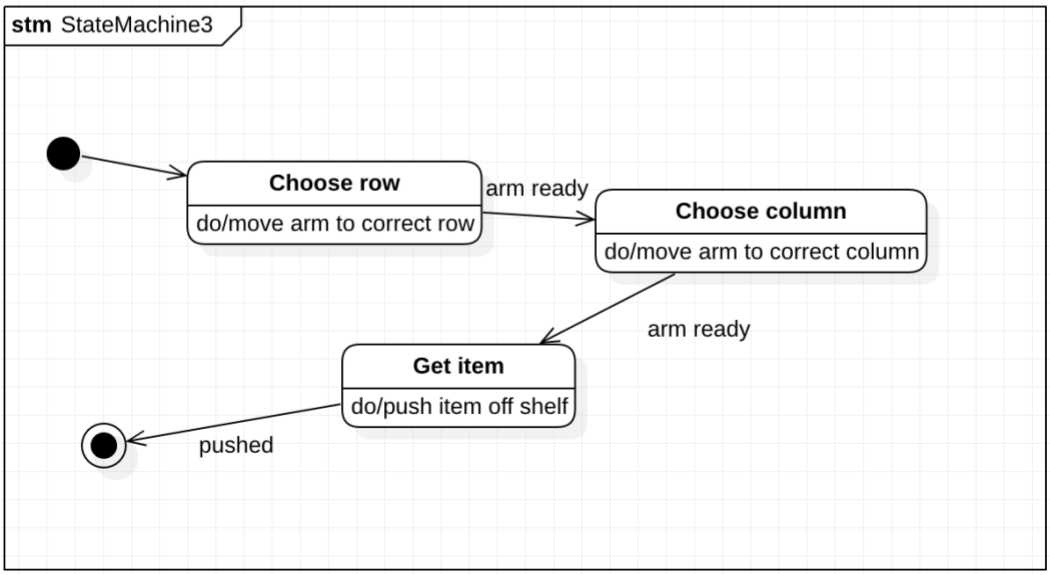
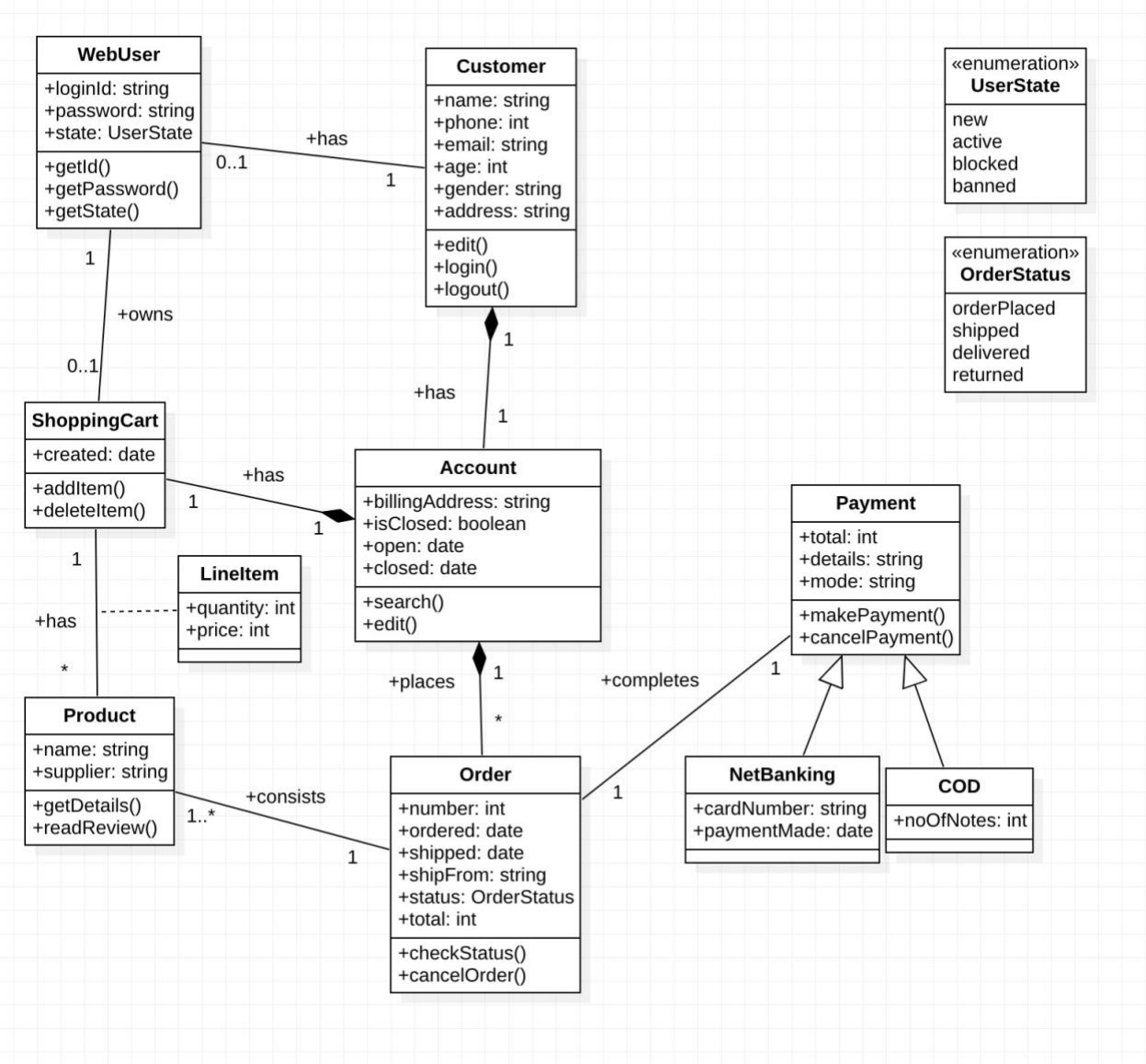


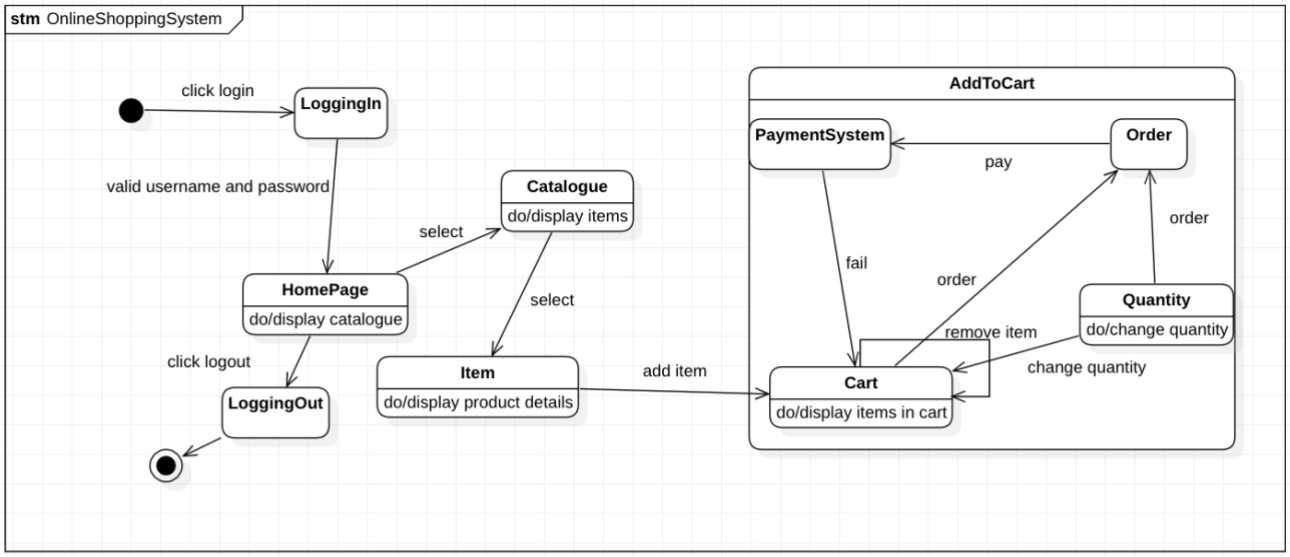



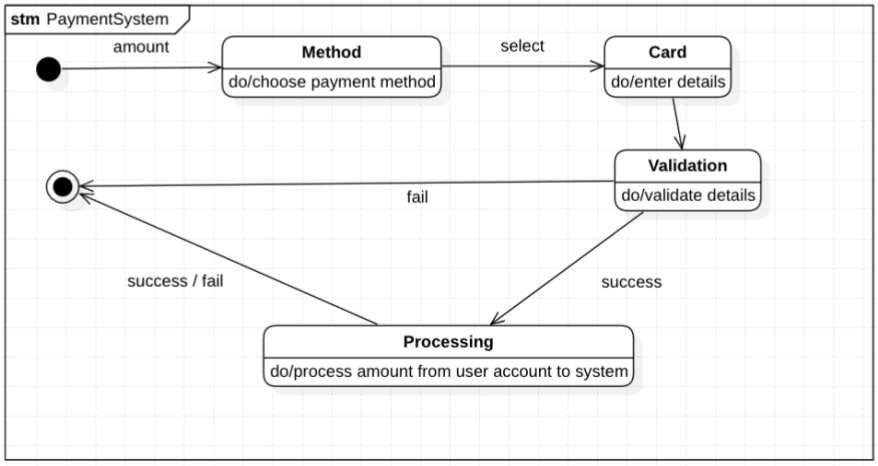
## 5. ONLINE SHOPPING SYSTEM

Advanced Class Diagram :



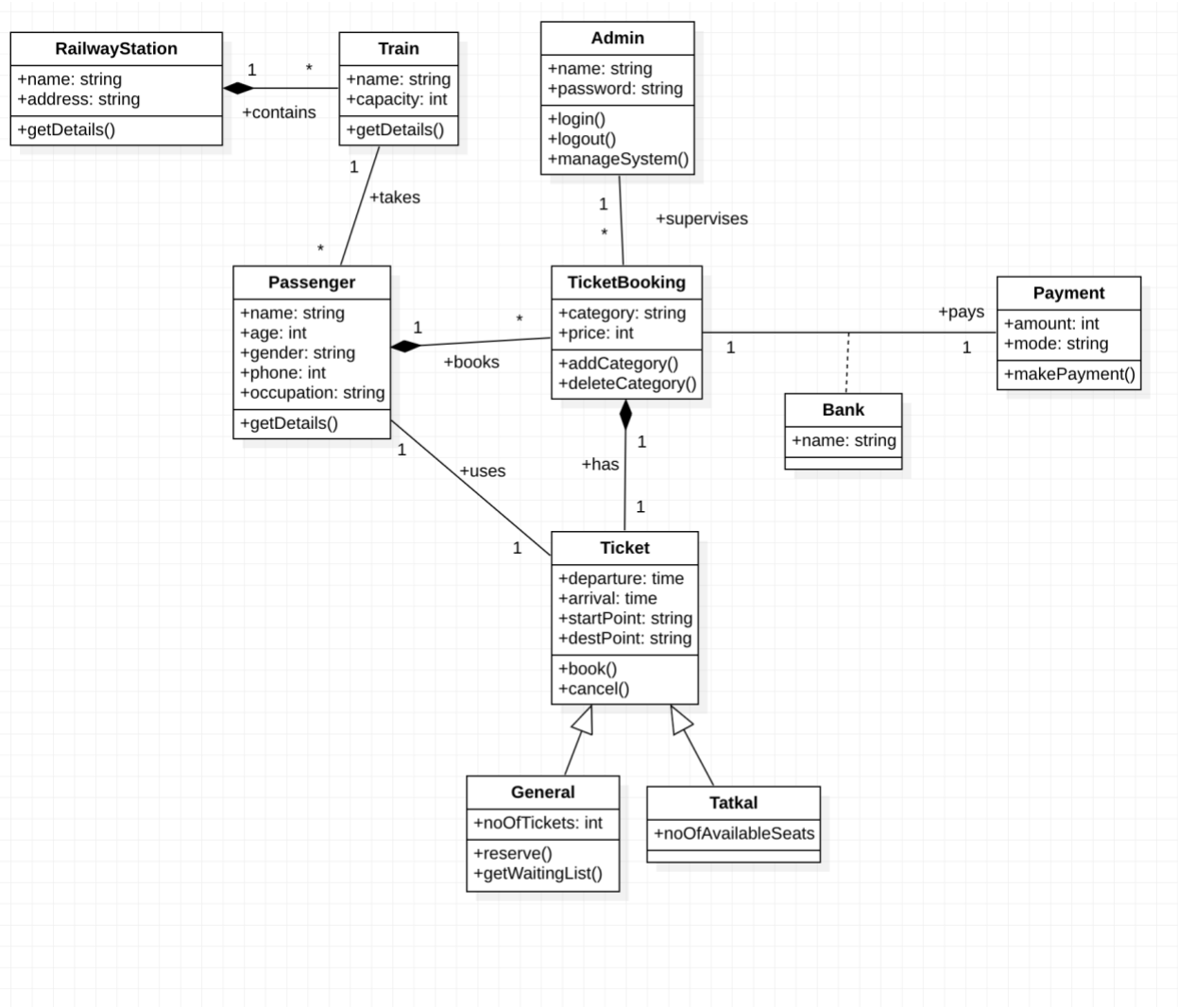
Advanced State Diagram :



## 6. RAILWAY RESERVATION SYSTEM

Advanced Class Diagram :



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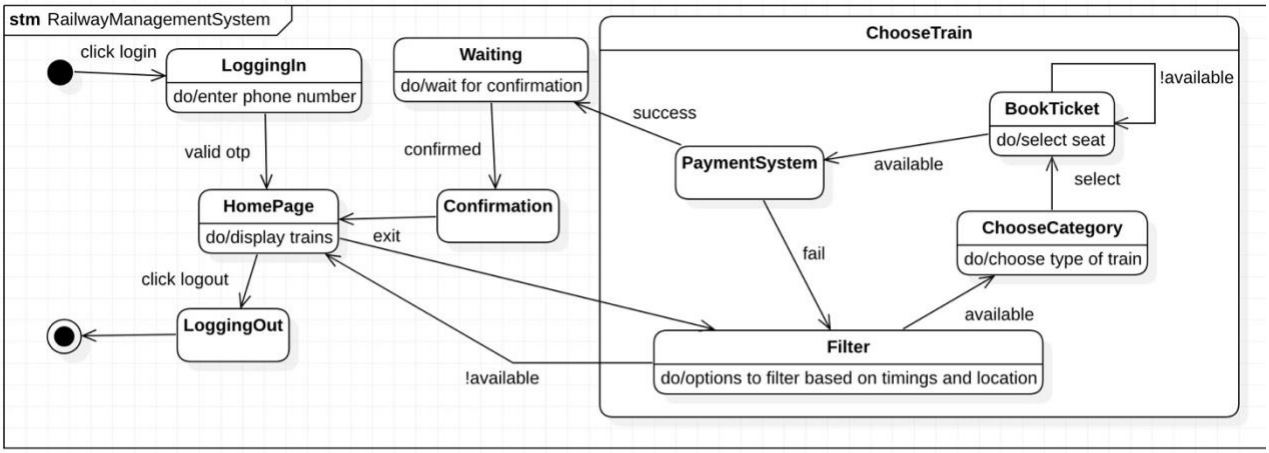
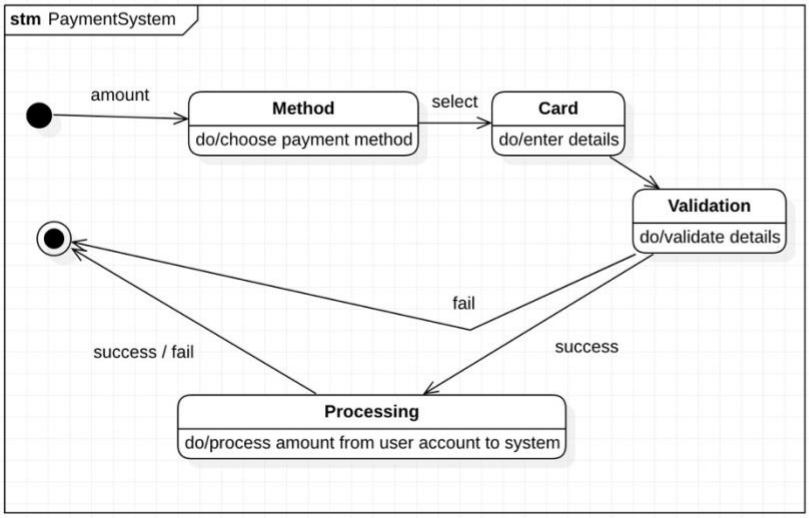
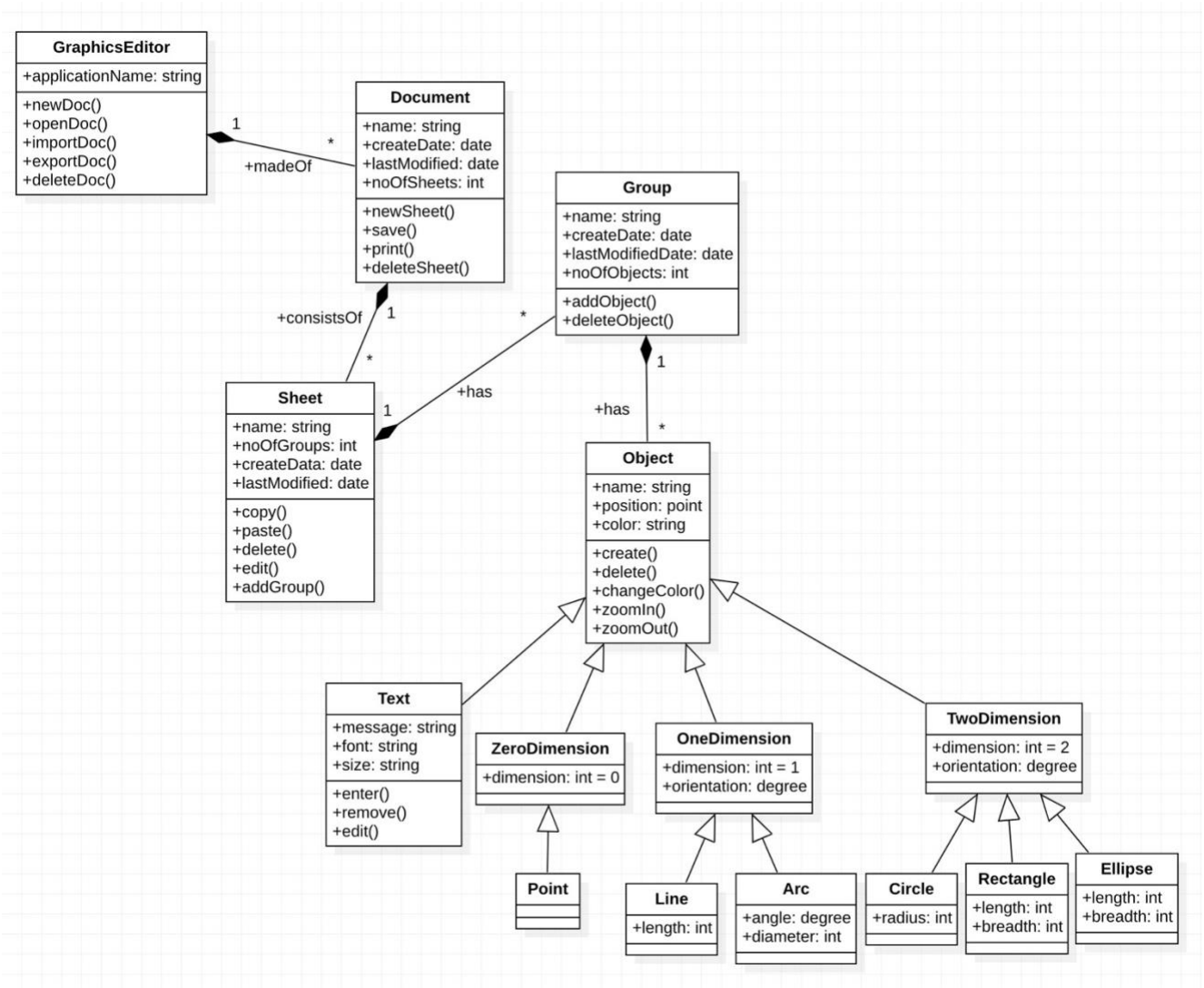
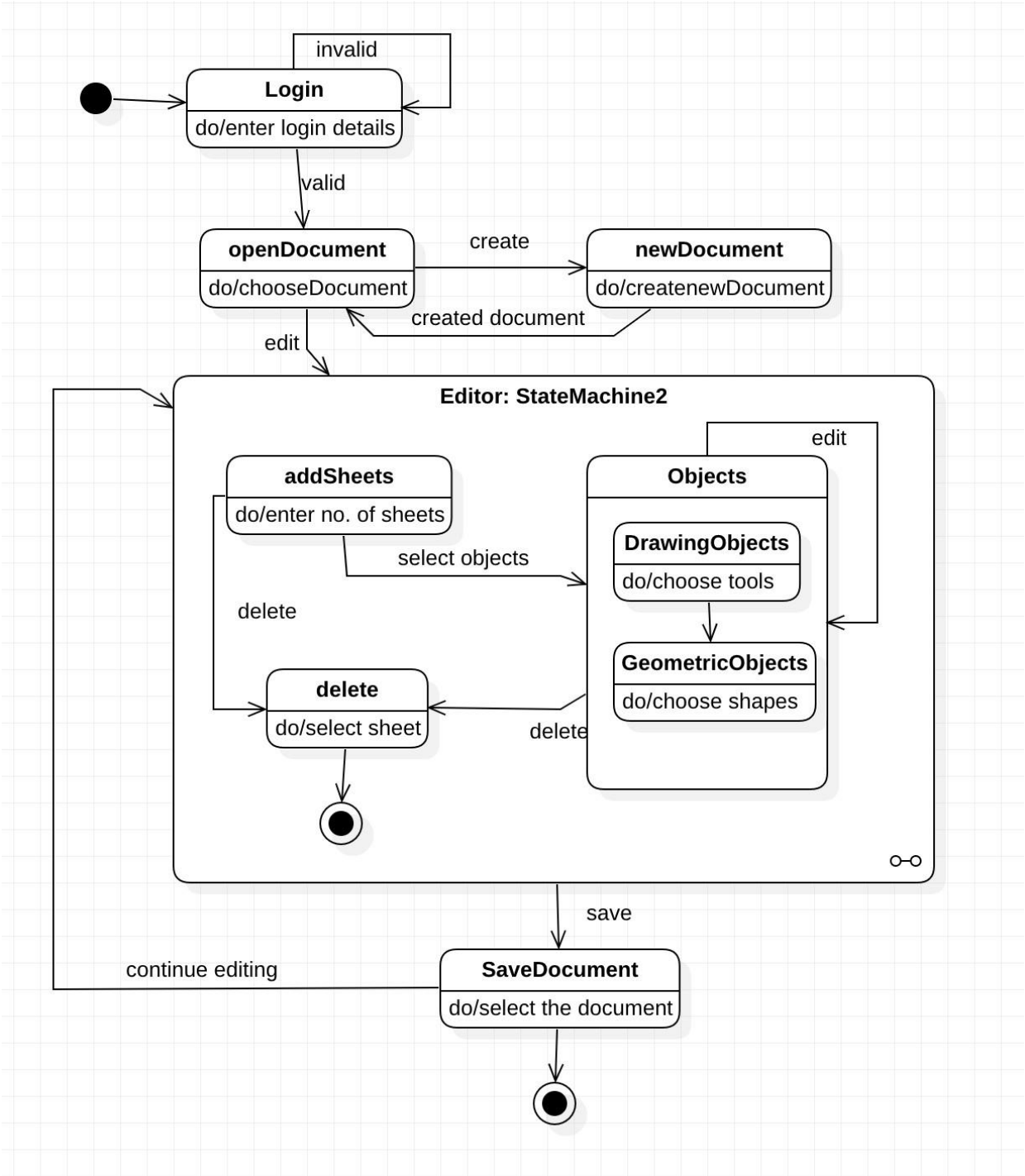


## 7. GRAPHICS EDITOR SYSTEM

Advanced Class Diagram :



Advanced State Diagram :