

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“JnanaSangama”, Belgaum -590014, Karnataka.



## **LAB REPORT**

**on**

## **OBJECT ORIENTED MODELLING AND DESIGN**

*Submitted by*

**PREMA (1BM19CS121)**

*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**” Carried out by **PREMA (IBM19CS121)**, 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 **Object oriented modelling and design-(20CS6PCOMD)** work prescribed for the said degree.

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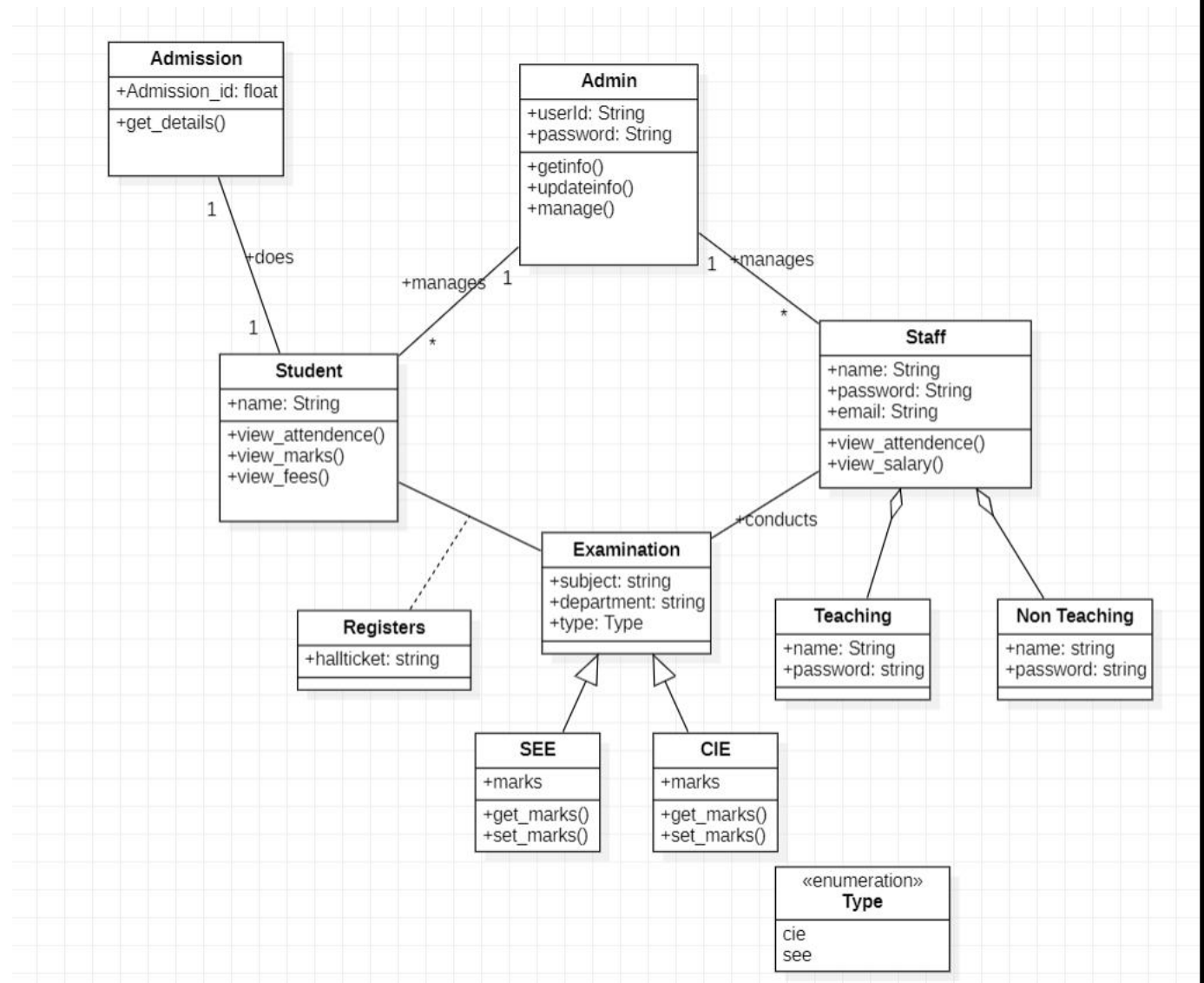
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## Course Outcome

CO 1	Ability to apply the knowledge of class, State & Interaction Modelling using Unified Modeling Language to solve a given problem.
CO 2	Ability to analyze a System for a given requirement using Unified Modeling language
CO 3	Ability to design a given system using high level strategy.
CO 4	Ability to conduct practical experiment to solve a given problem using Unified Modeling language.

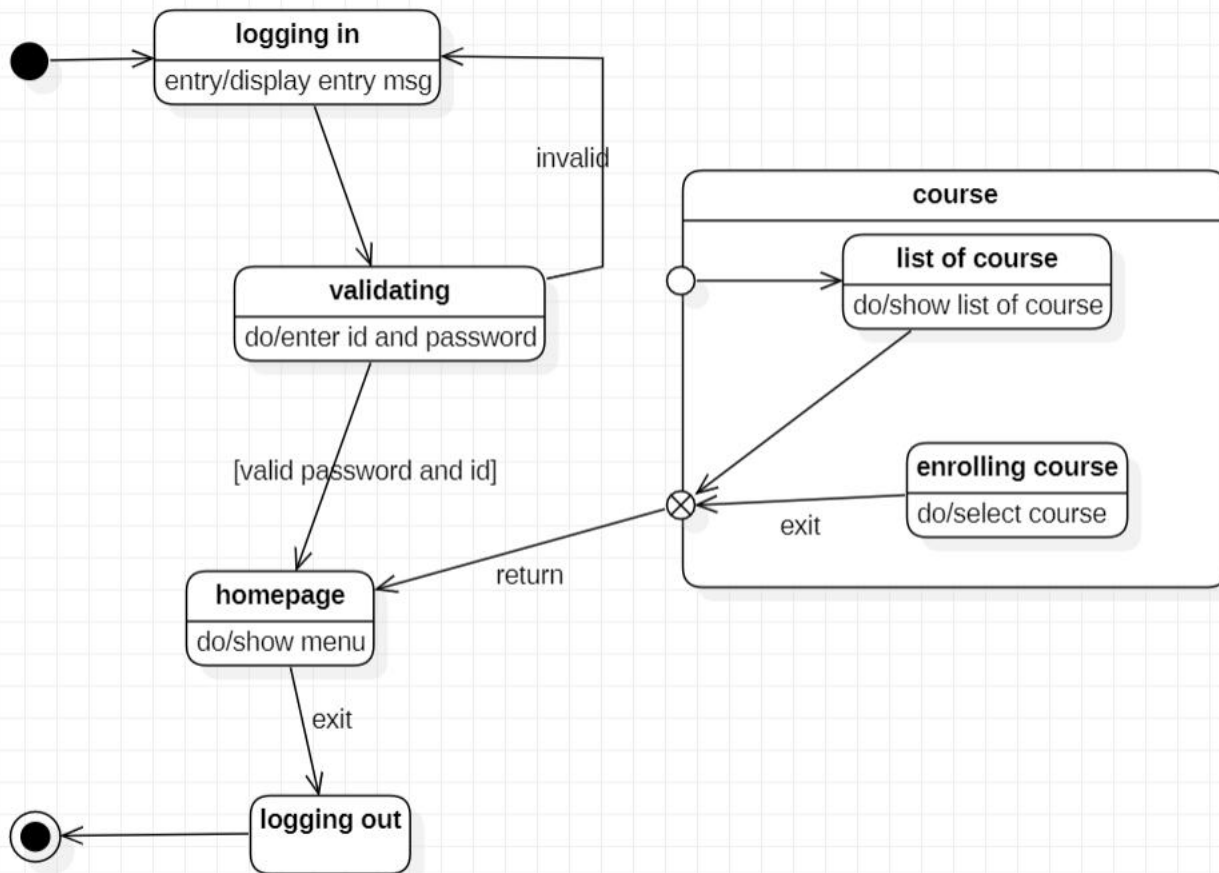
# 1.College information system

## Class Diagram:

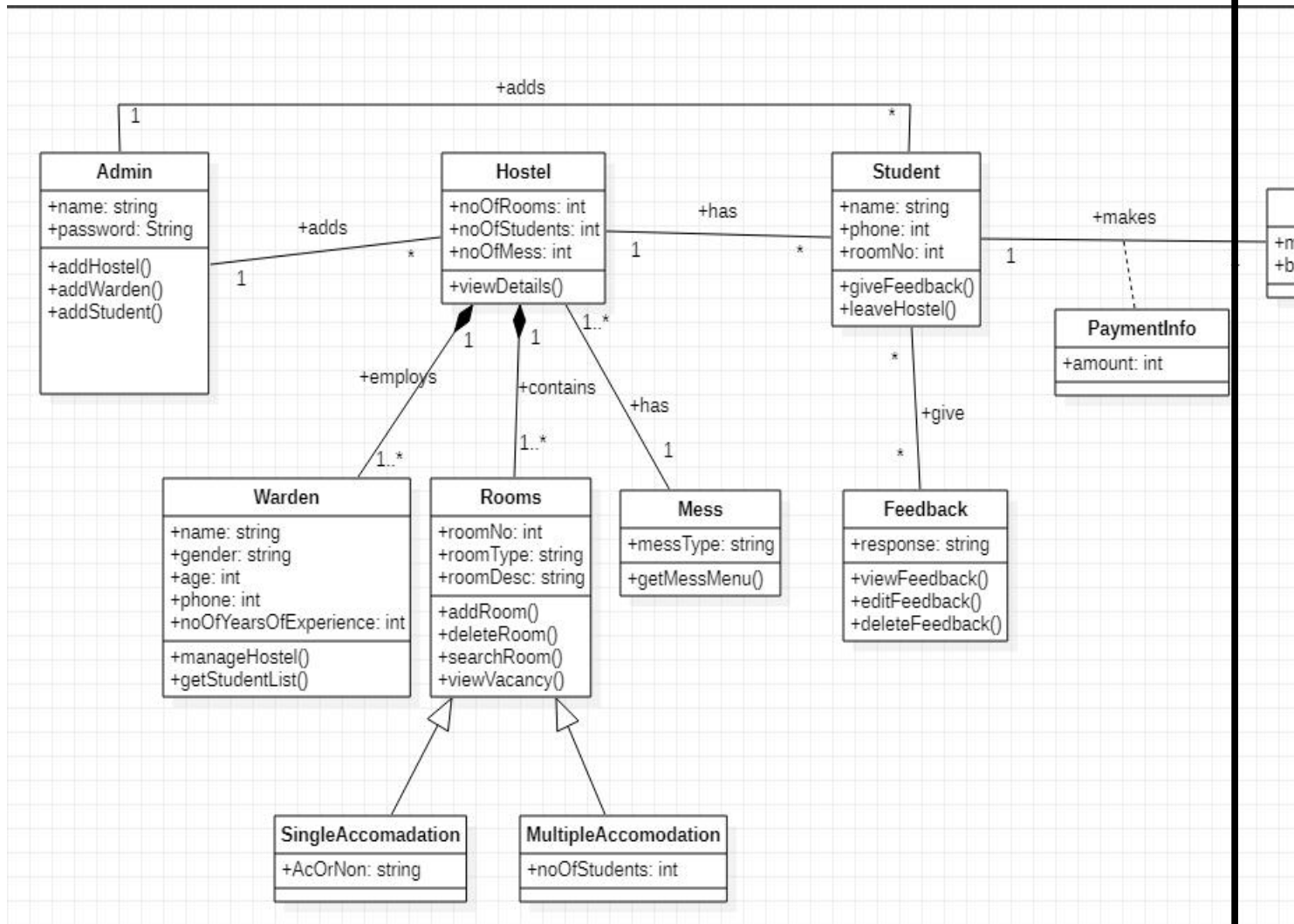


## State diagram:

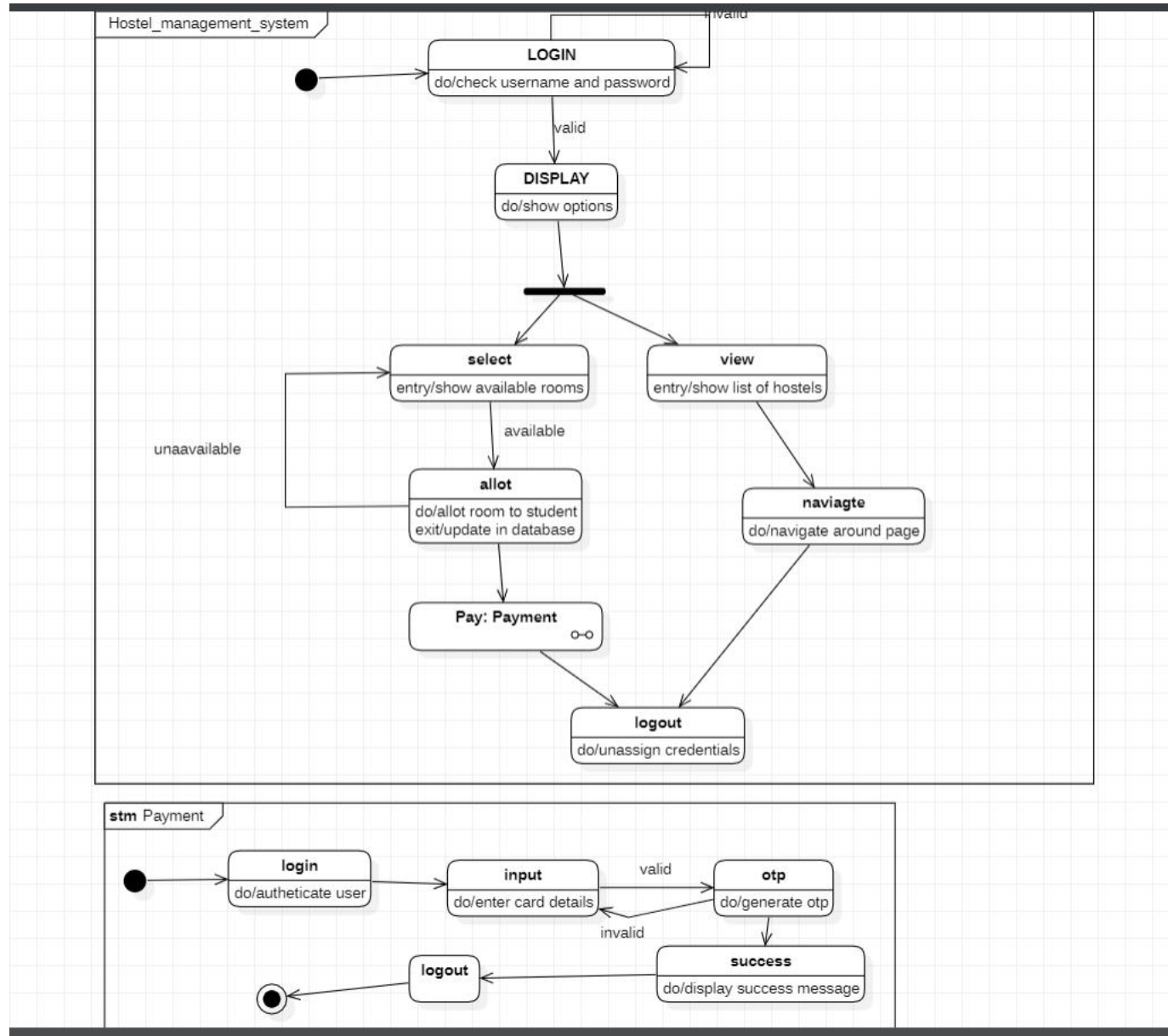
stm college management system



## 2. Hostel Management System Class Diagram:

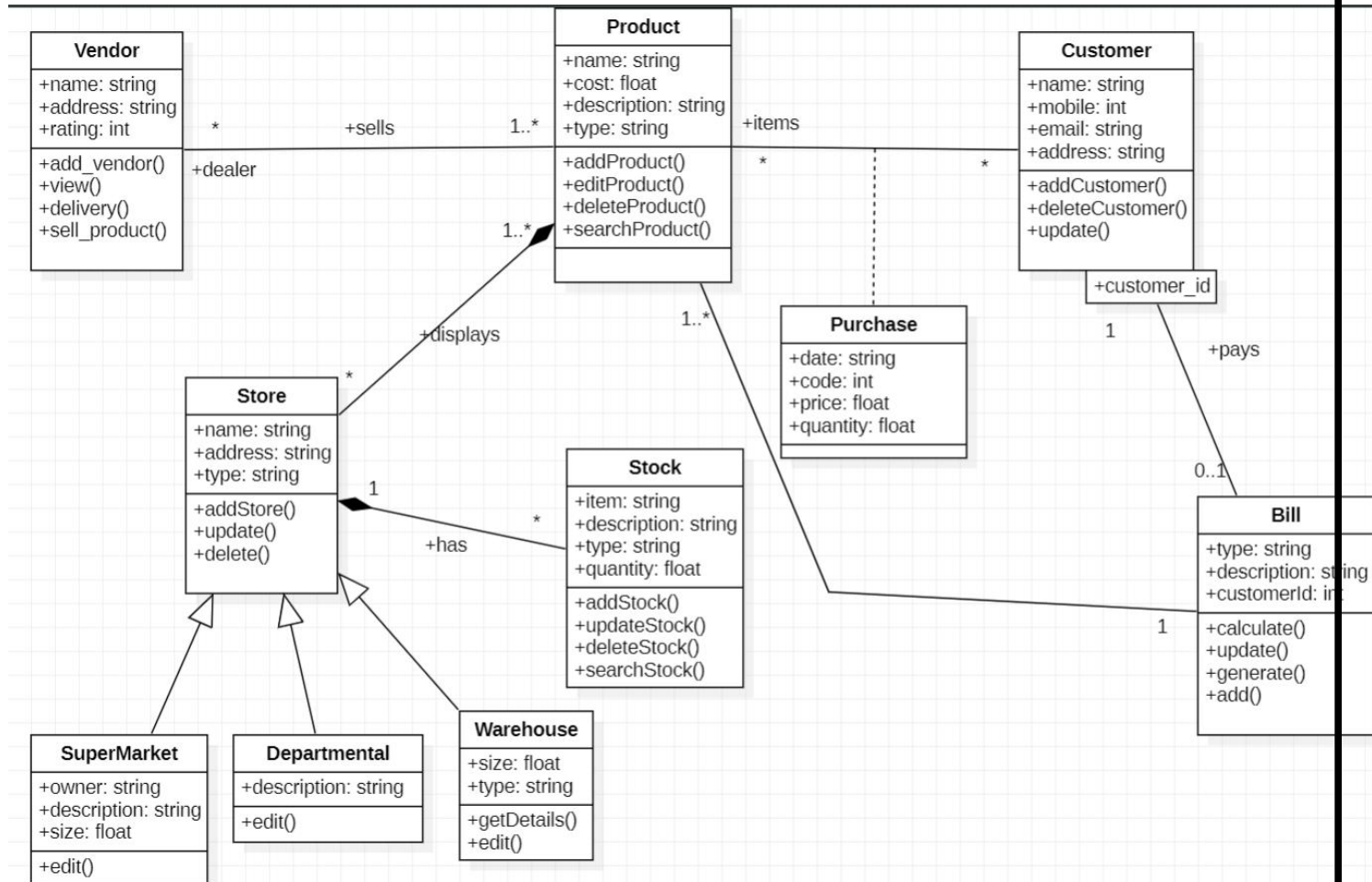


State Diagram:



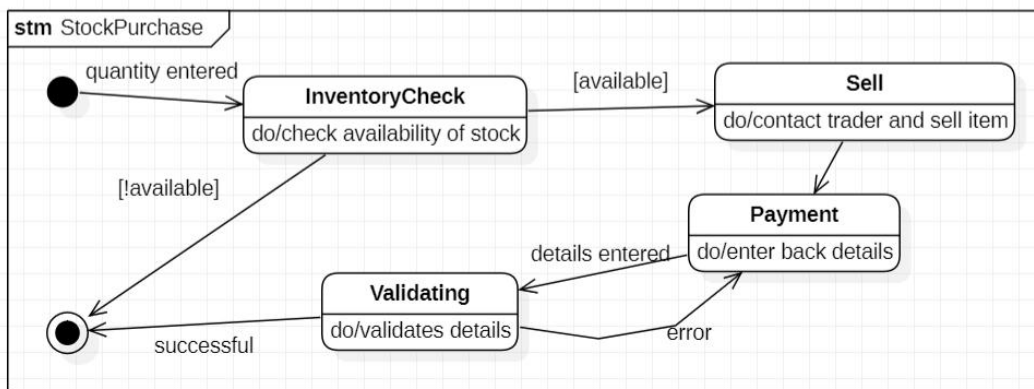
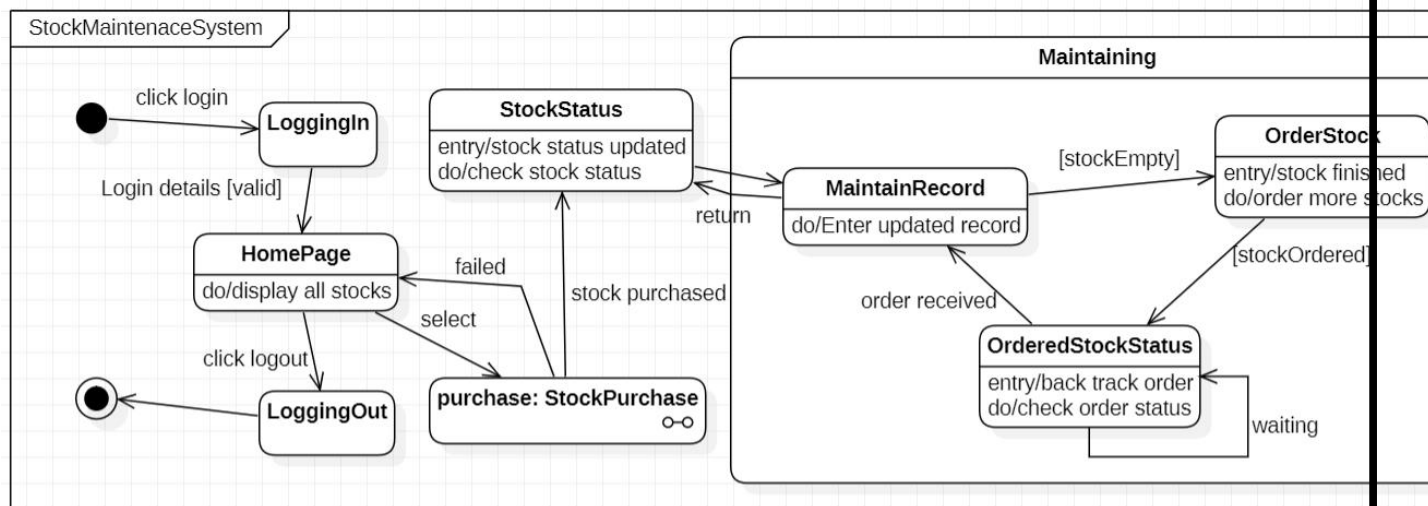
# Stock Management System

## Class Diagram:



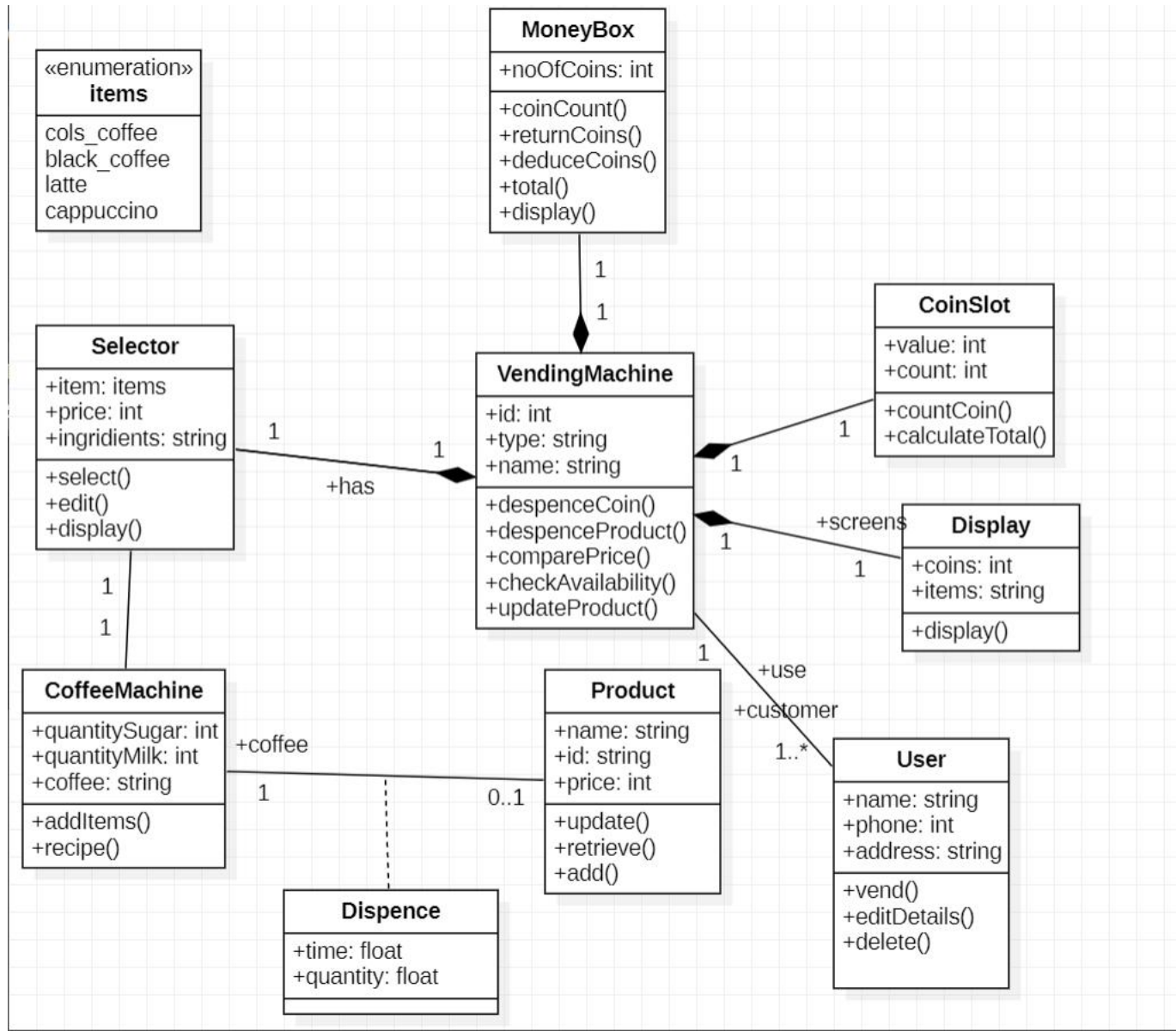


## State Diagram:

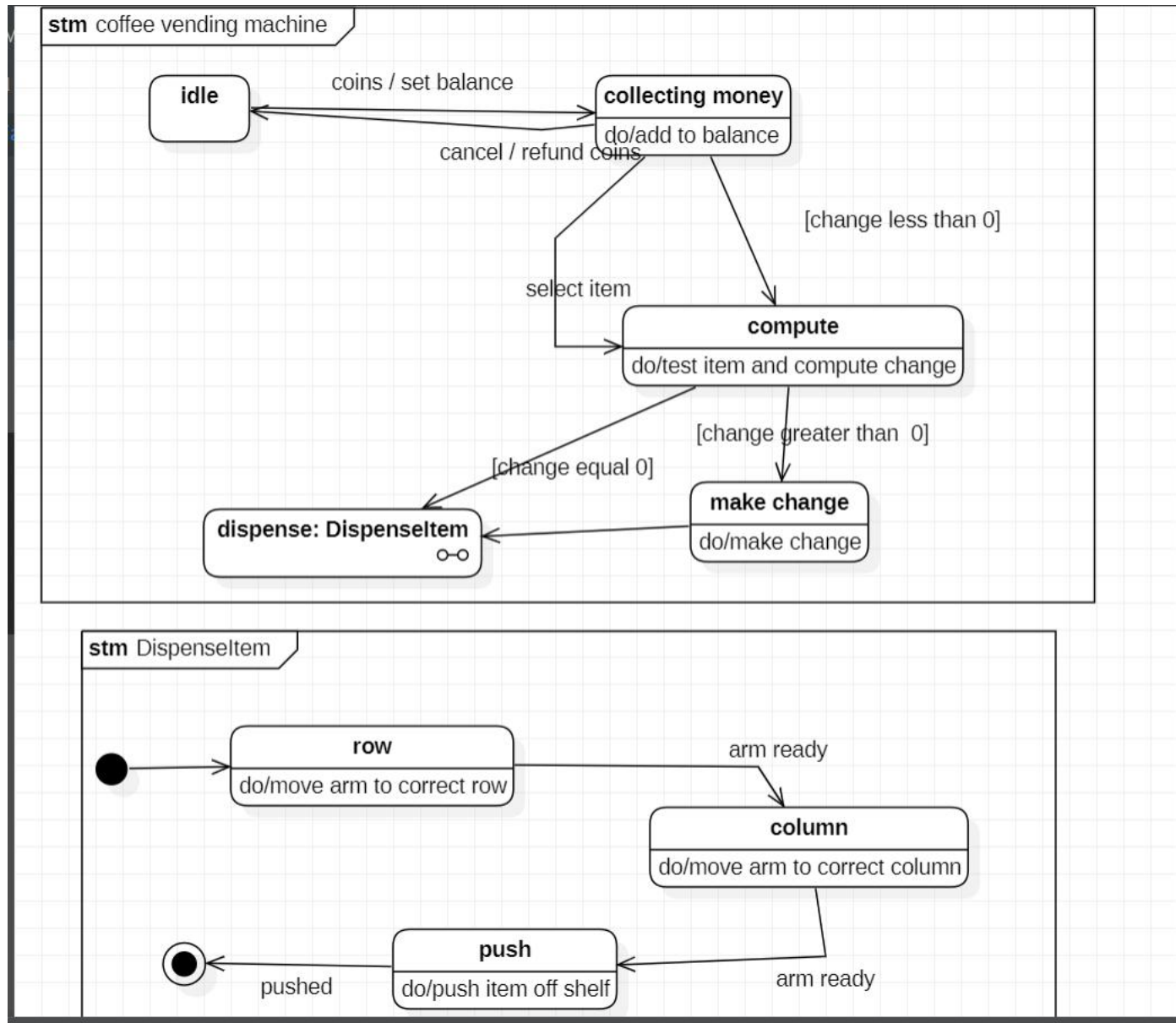


## 4. Coffee Vending Machine

### Class Diagram

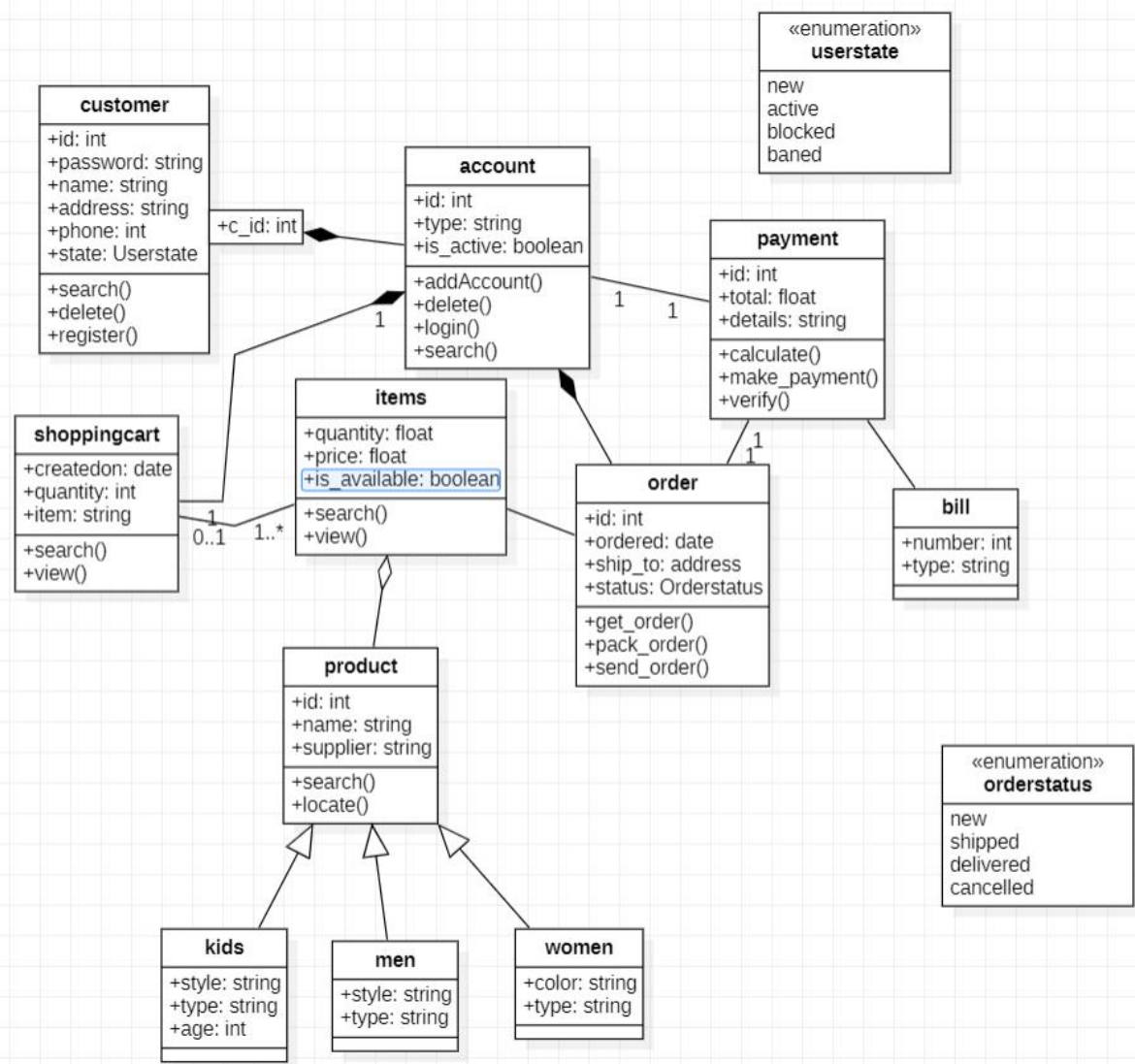


## State Diagram

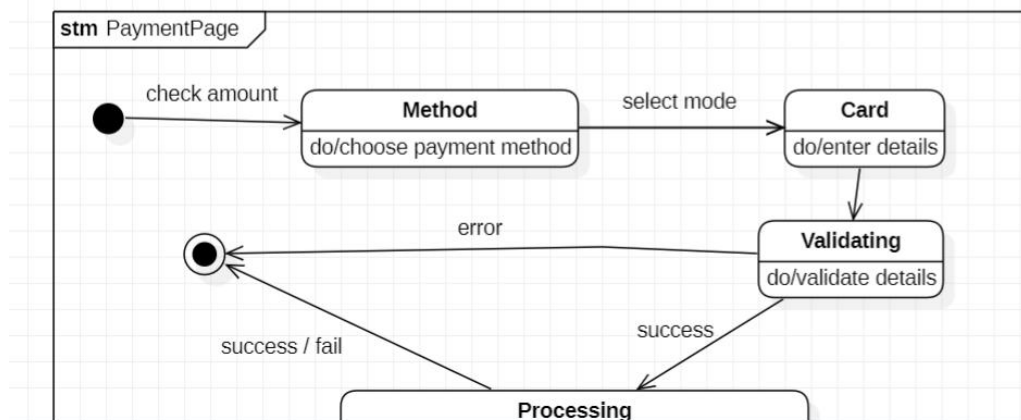
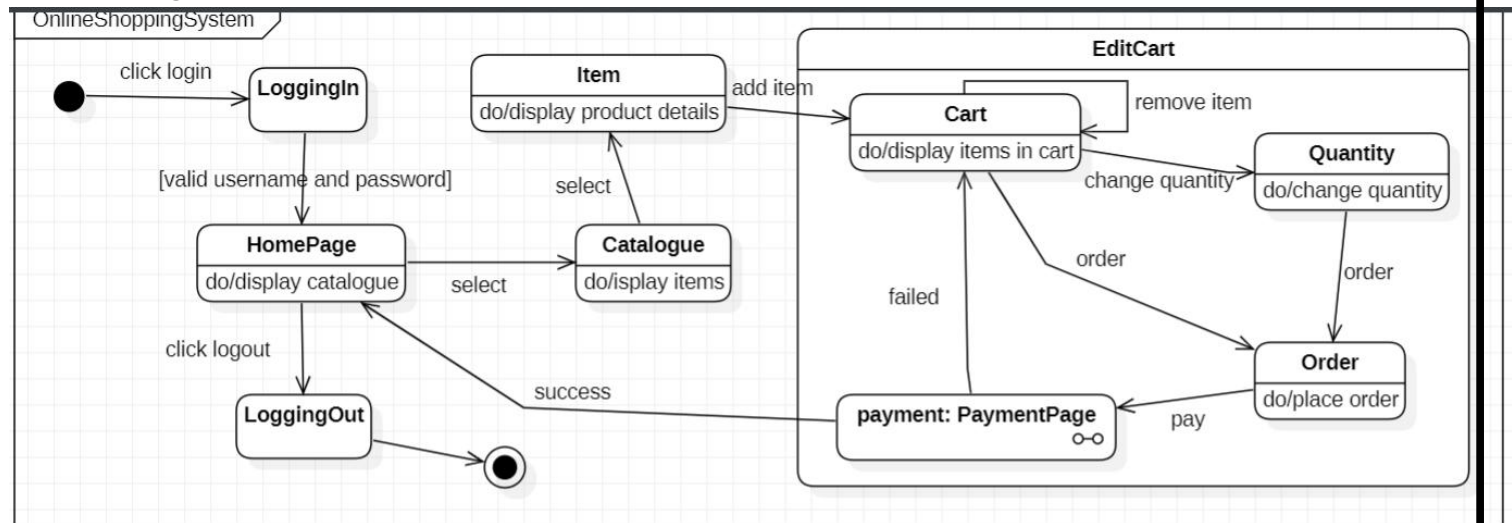


# 5. Online Shopping System

## Class Diagram

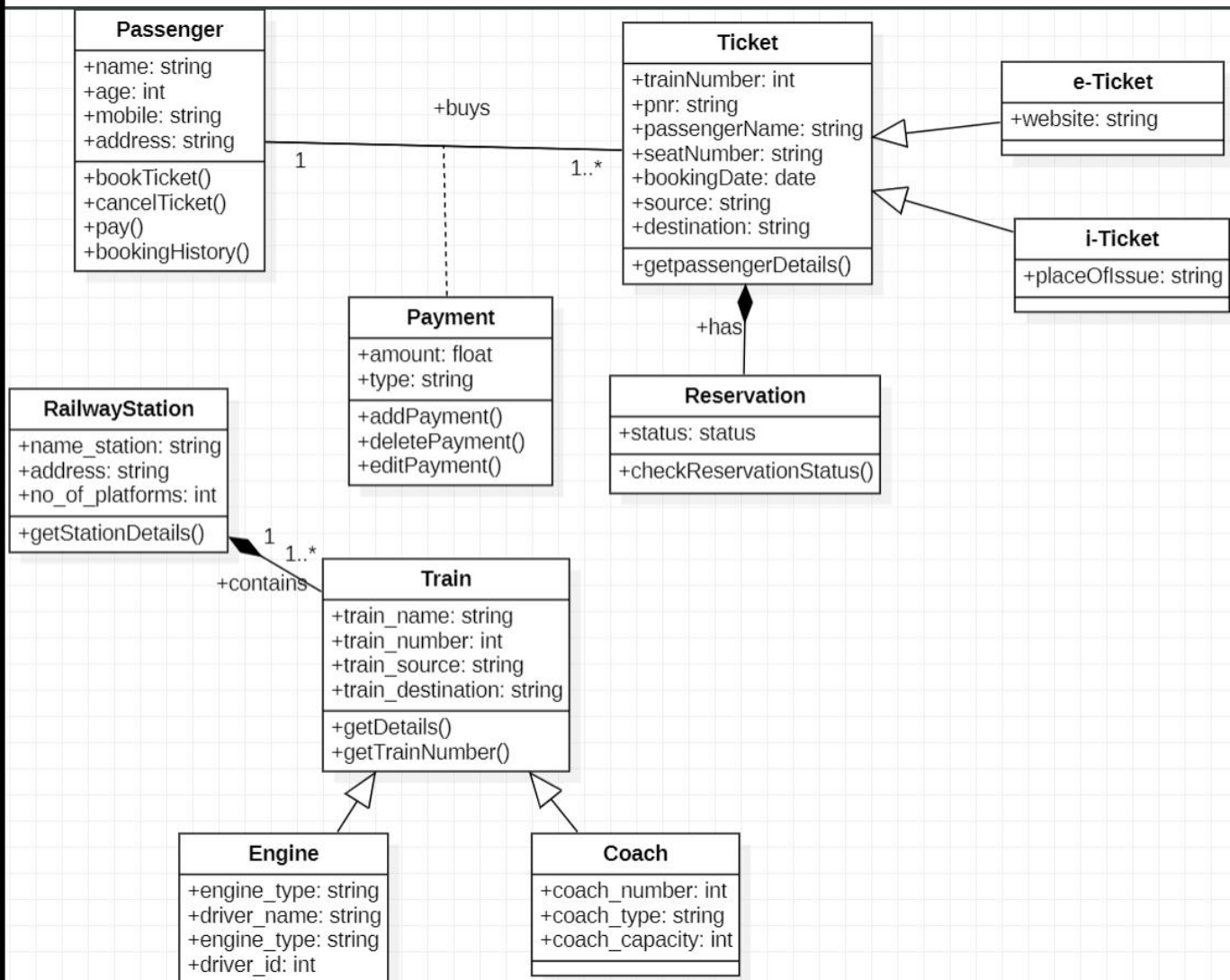


# State Diagram

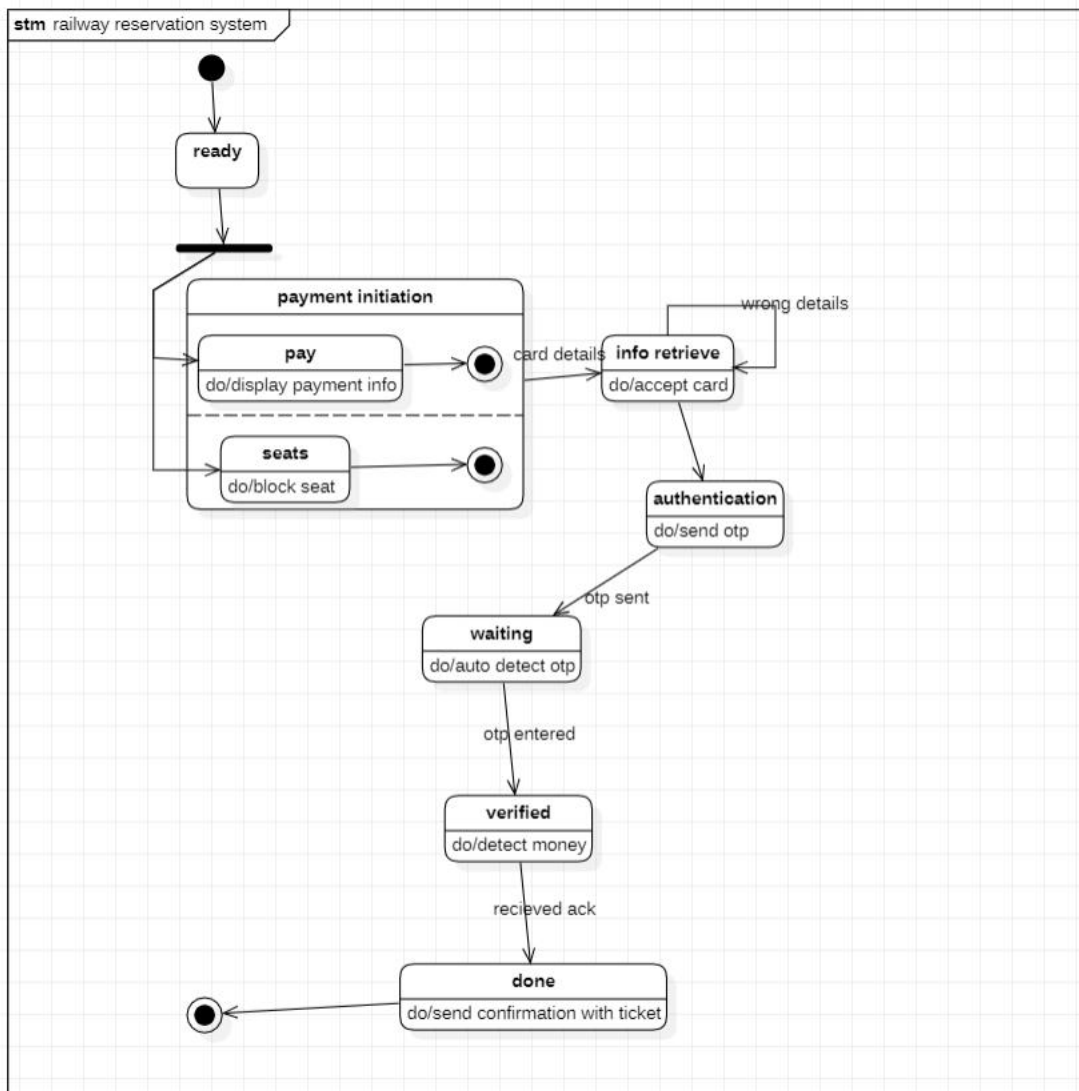


## 6.Railway Reservation System

### Class Diagram

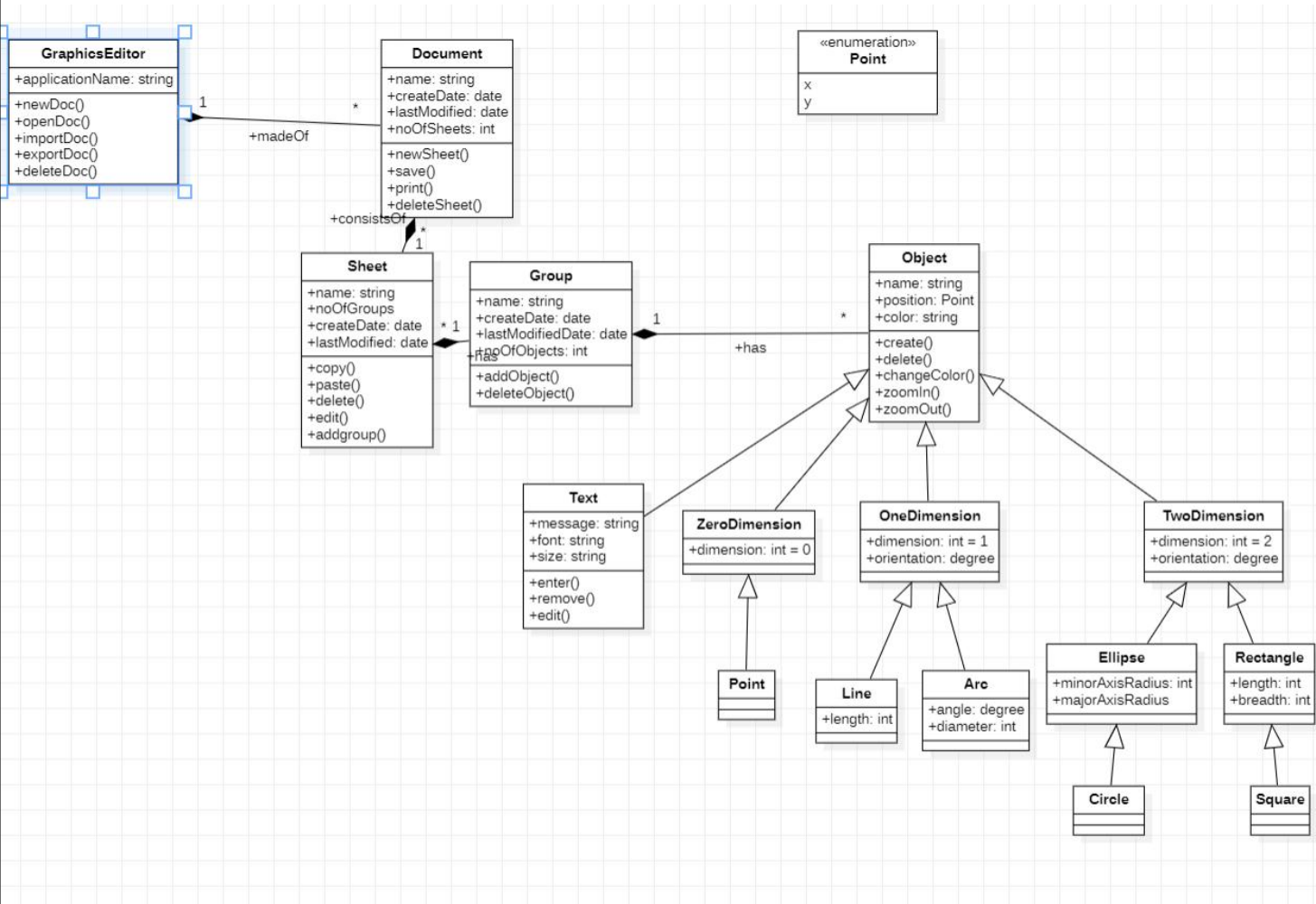


## State Diagram



# 6. Graphic Editor

## Class Diagram





# State Diagram

