VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgaum -590014, Karnataka.

LAB REPORT
on

Object Oriented Modelling And Design

Submitted by

PRAJITH AARYA (1BM19CS113)

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 "LAB COURSE **Object Oriented Modelling And Design**" carried out by **PRAJITH AARYA(1BM19CS113),** 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 Modelling And Design- (20CS6PCOMD)** work prescribed for the said degree.

Name of the Lab-Incharge   Dr. Nandini Vineeth
Designation   Assistant Professor
 Department of CSE   Department of CSE
BMSCE, Bengaluru   BMSCE, Bengaluru

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Course Outcome

|	**CO1** Ability to apply the knowledge of class, State & Interaction Modelling using Unified Modeling Language to solve a given problem. **CO2** Ability to analyze a System for a given requirement using Unified Modeling language. **CO3** Ability to design a given system using high level strategy. **CO4** Ability to conduct practical experiment to solve a given problem using Unified Modeling language.

LAB 1:

College Management System
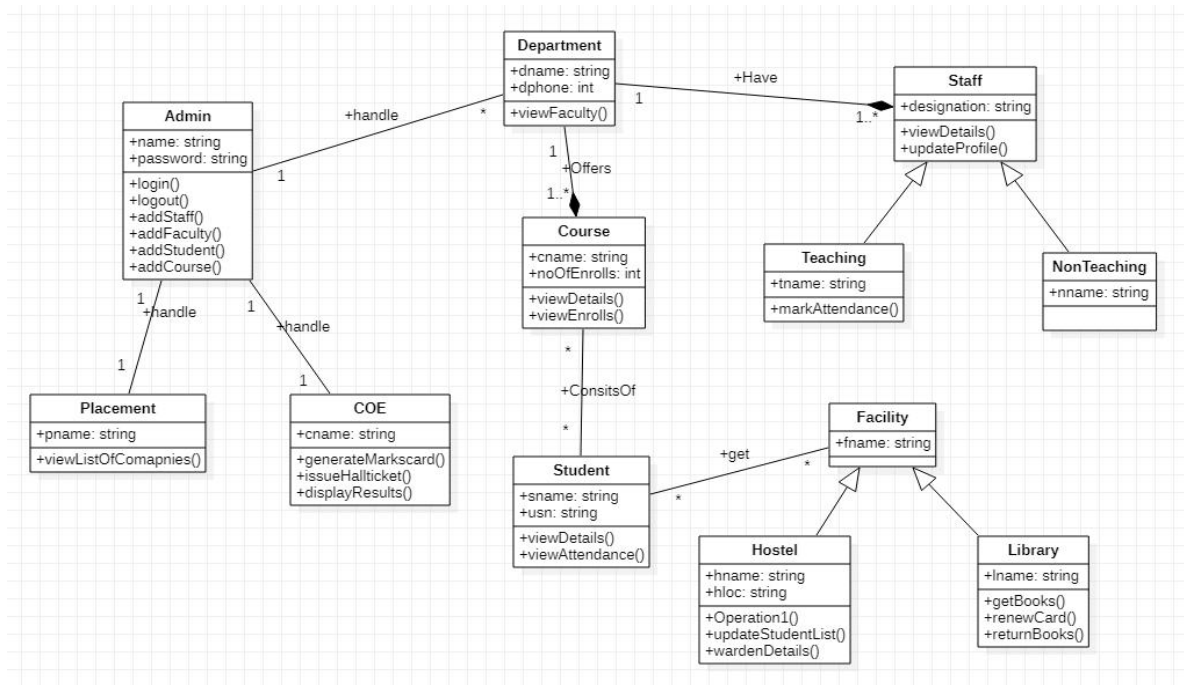
Class Diagram:
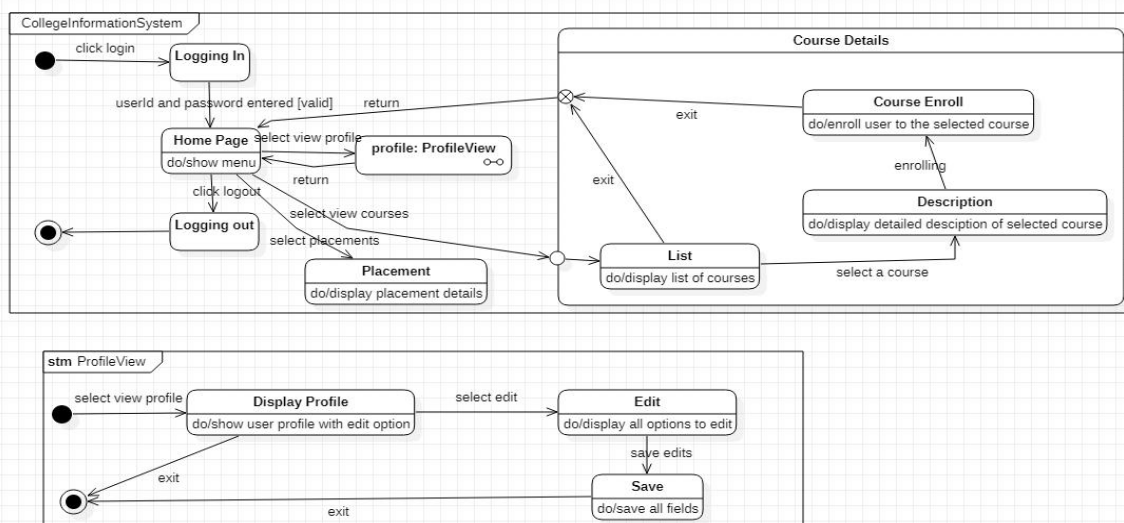
State Diagram:

LAB 2:

Hostel Management System
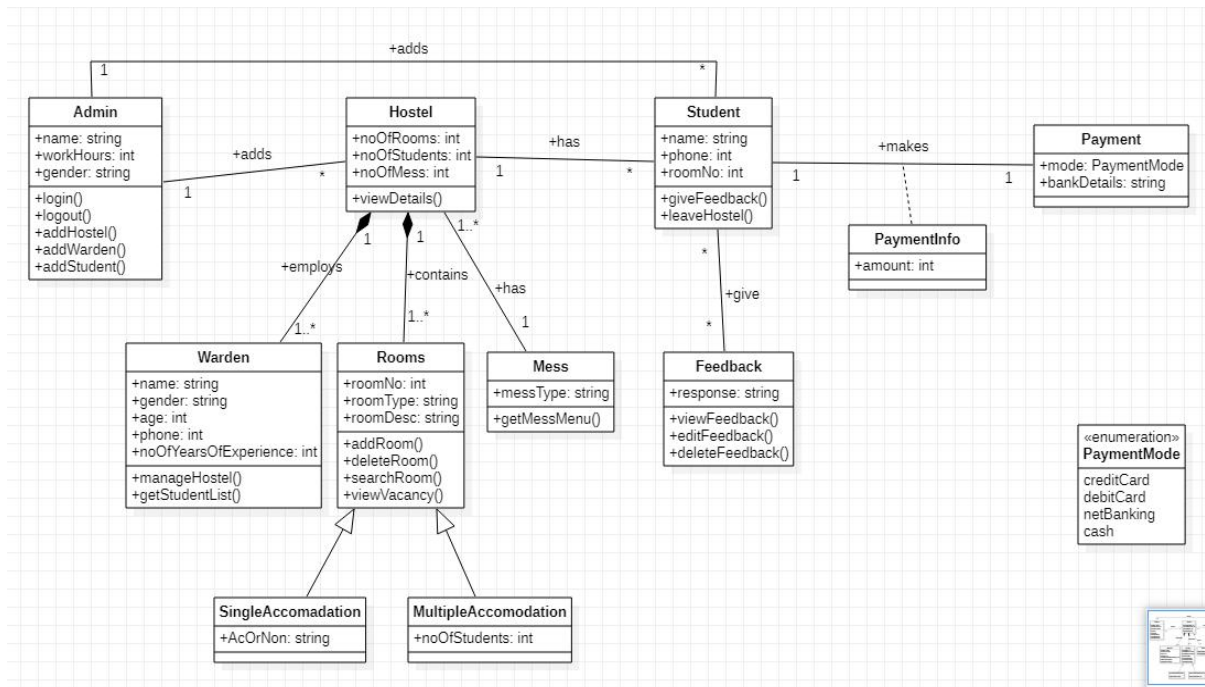
Class Diagram:
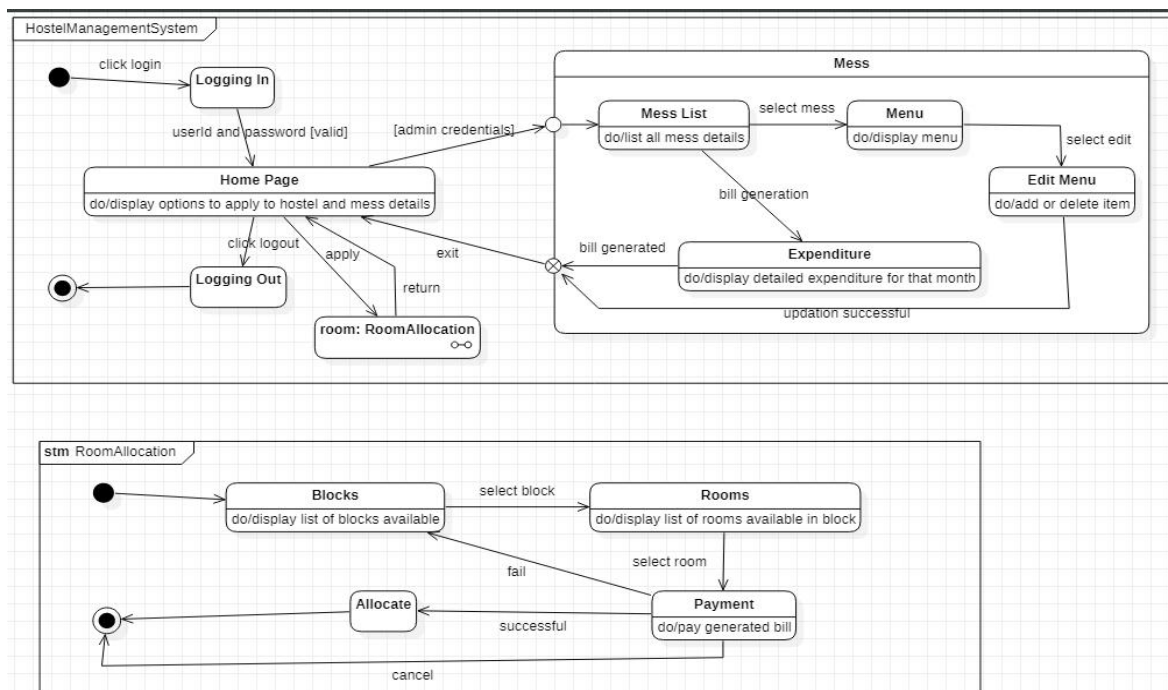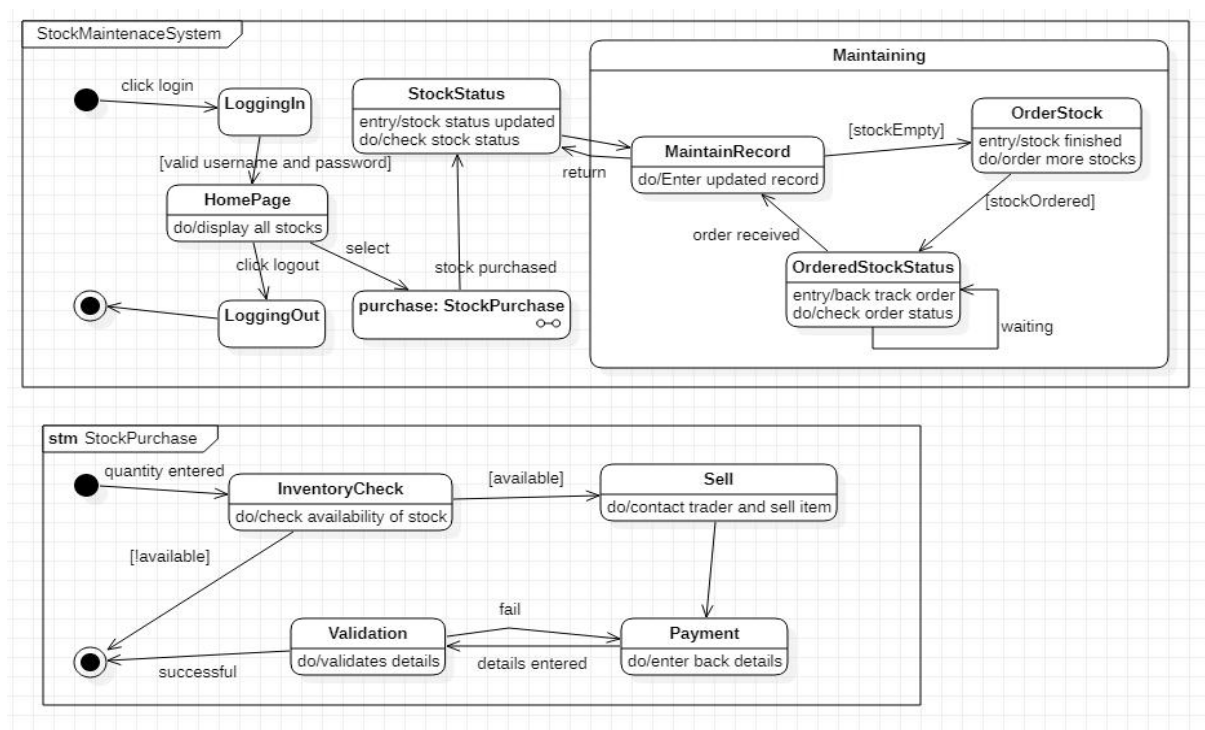

State Diagram:

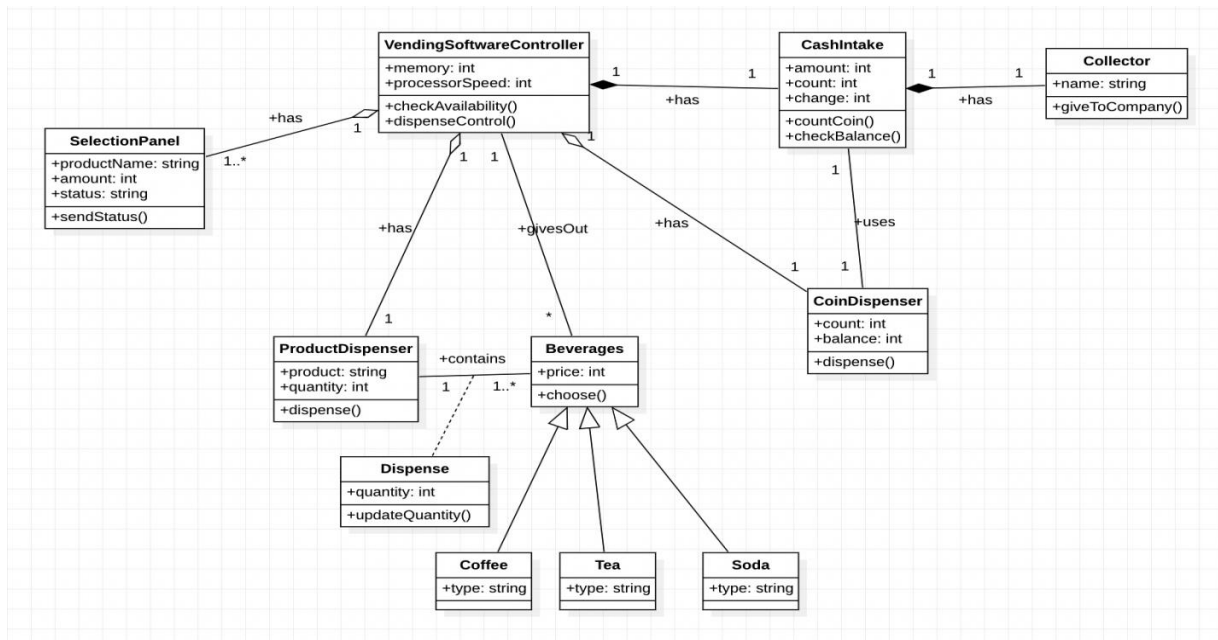# LAB 3:

Stock Management System
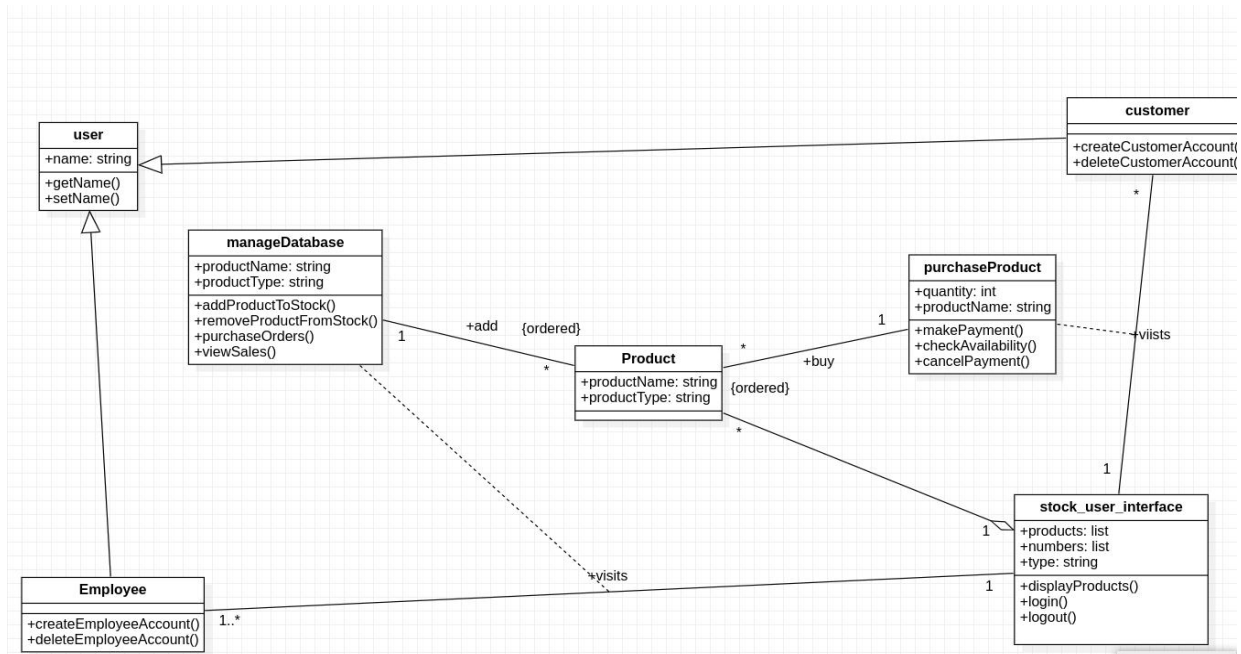
Class Diagram:

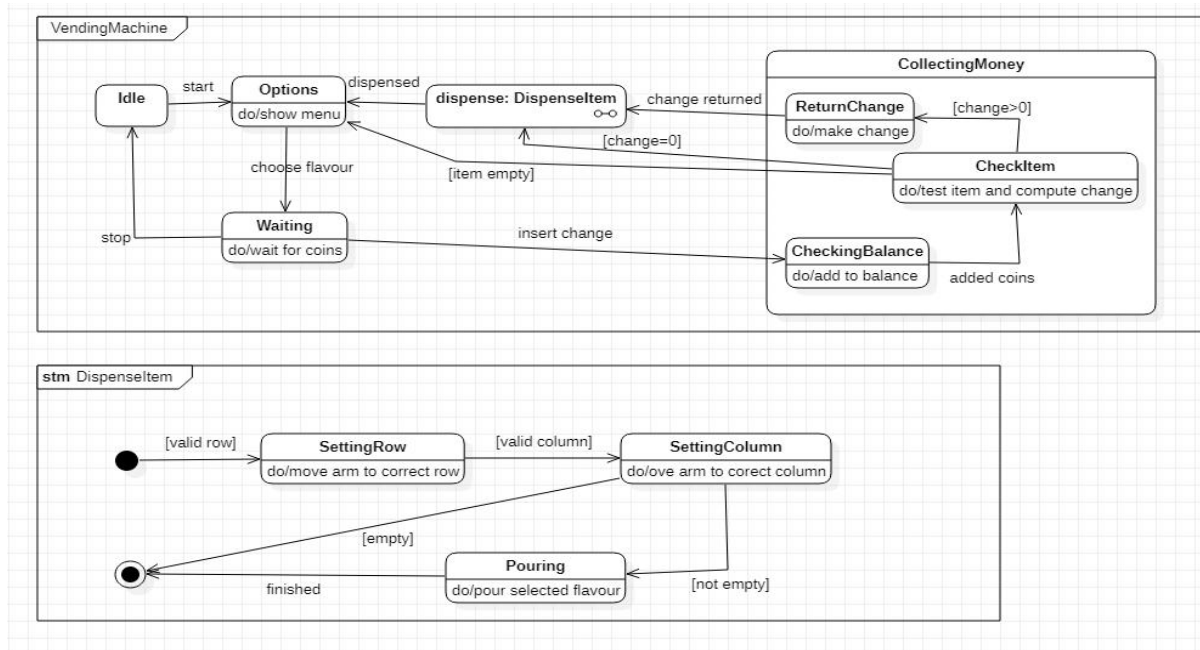# State Diagram:

LAB 4:

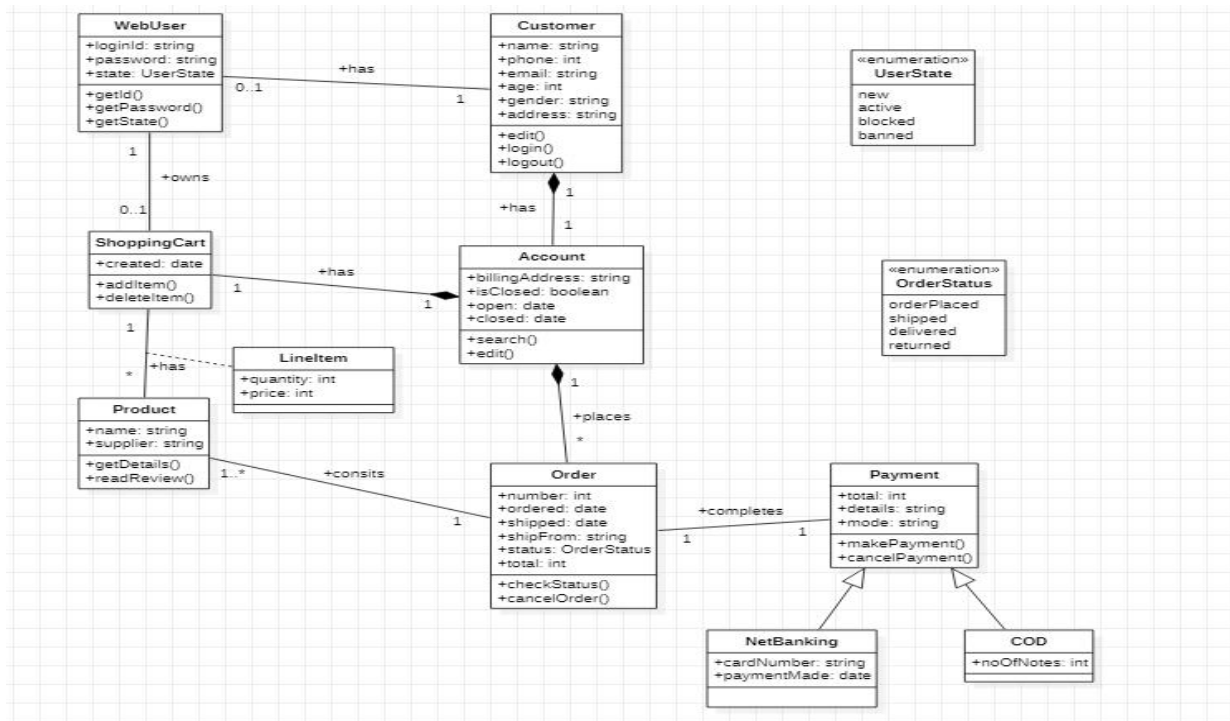# Coffee Vending Machine
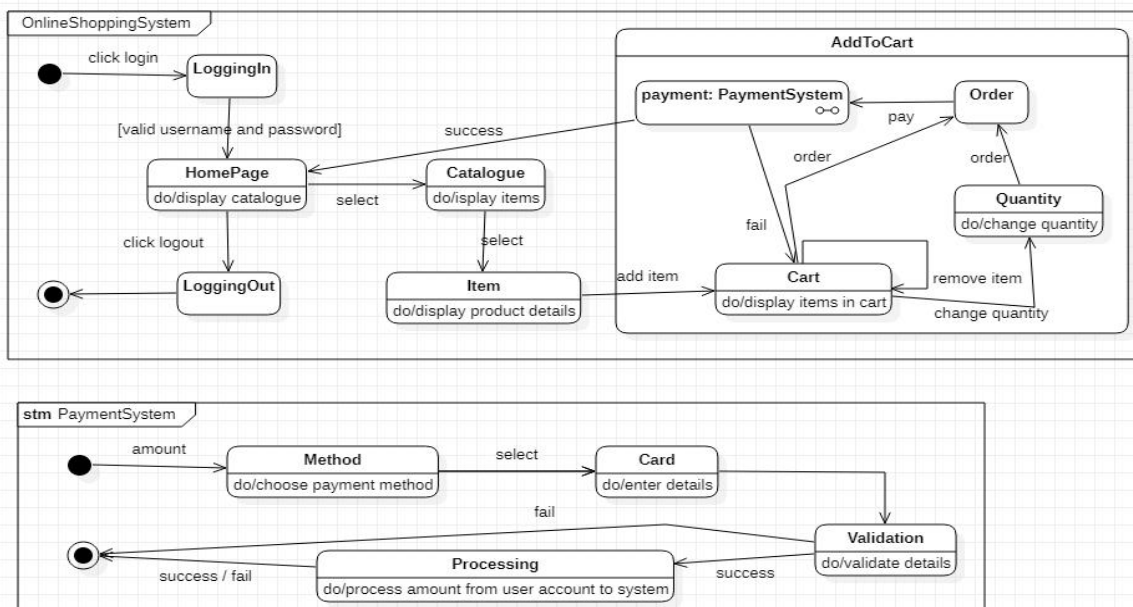
Class Diagram:

State Diagram:

LAB 5:

Online Shopping System

Class Diagram:

State Diagram:

LAB 6:

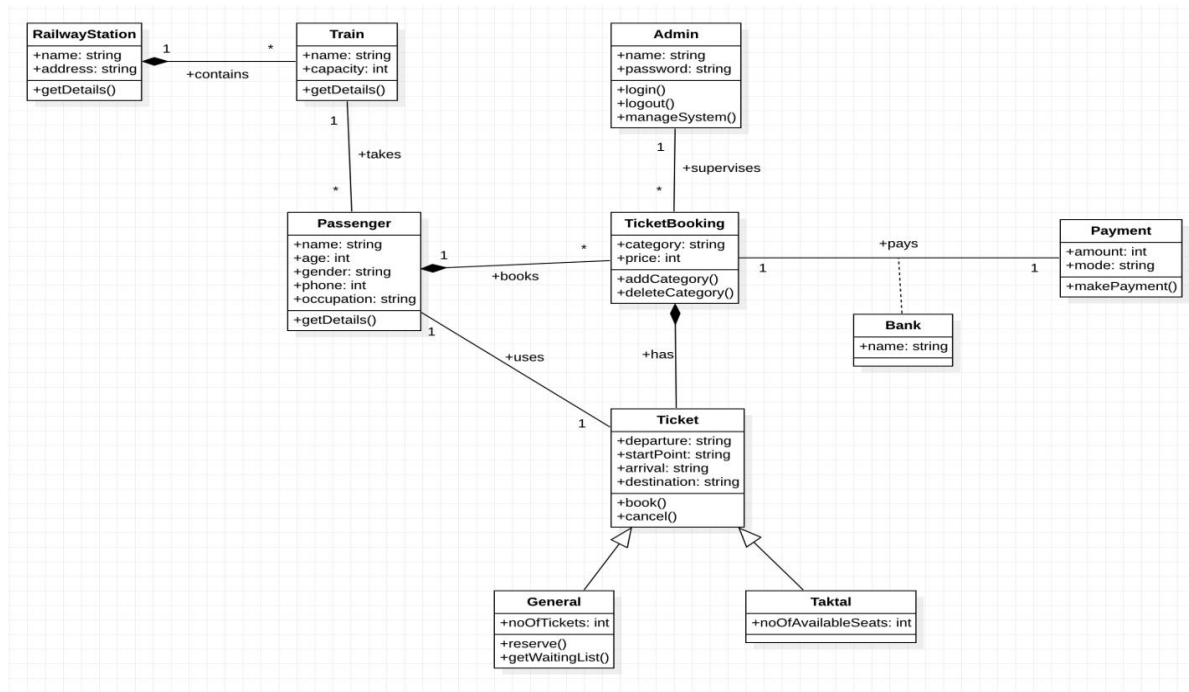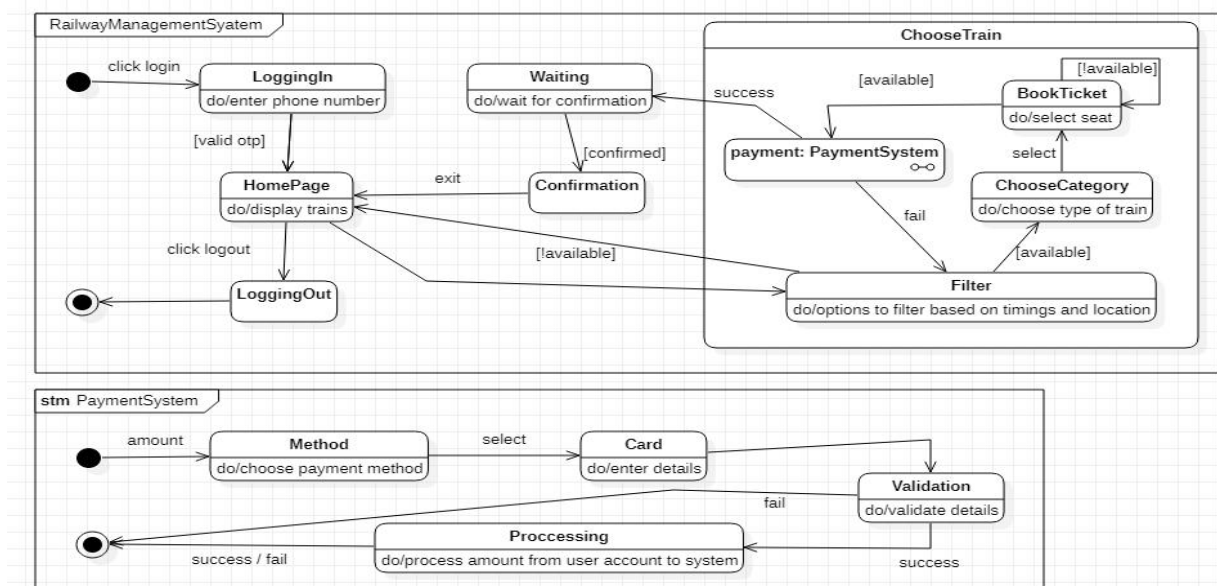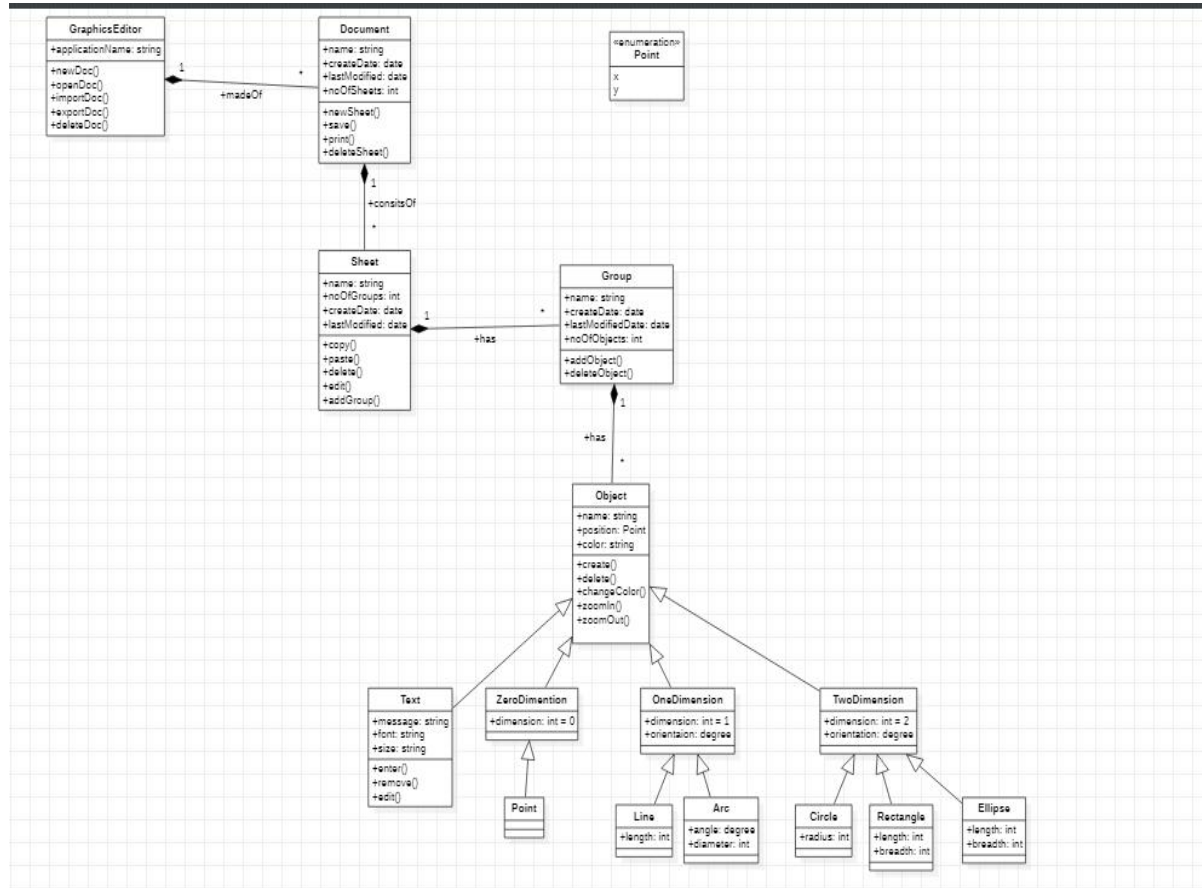# Railway Reservation System

Class Diagram:

State Diagram:

LAB 7:

Graphics Editor System

Class Diagram:

State Diagram: