

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“JnanaSangama”, Belgaum -590014, Karnataka.



**LAB REPORT**  
**on**

## **OBJECT ORIENTED MODELLING AND DESIGN**

*Submitted by*

**Sneha Srivastava (1BM19CS158)**

*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 **SNEHA SRIVASTAVA (IBM19CS158)**, 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. Latha N.R.**  
Assistant Professor  
Department of CSE  
BMSCE, Bengaluru

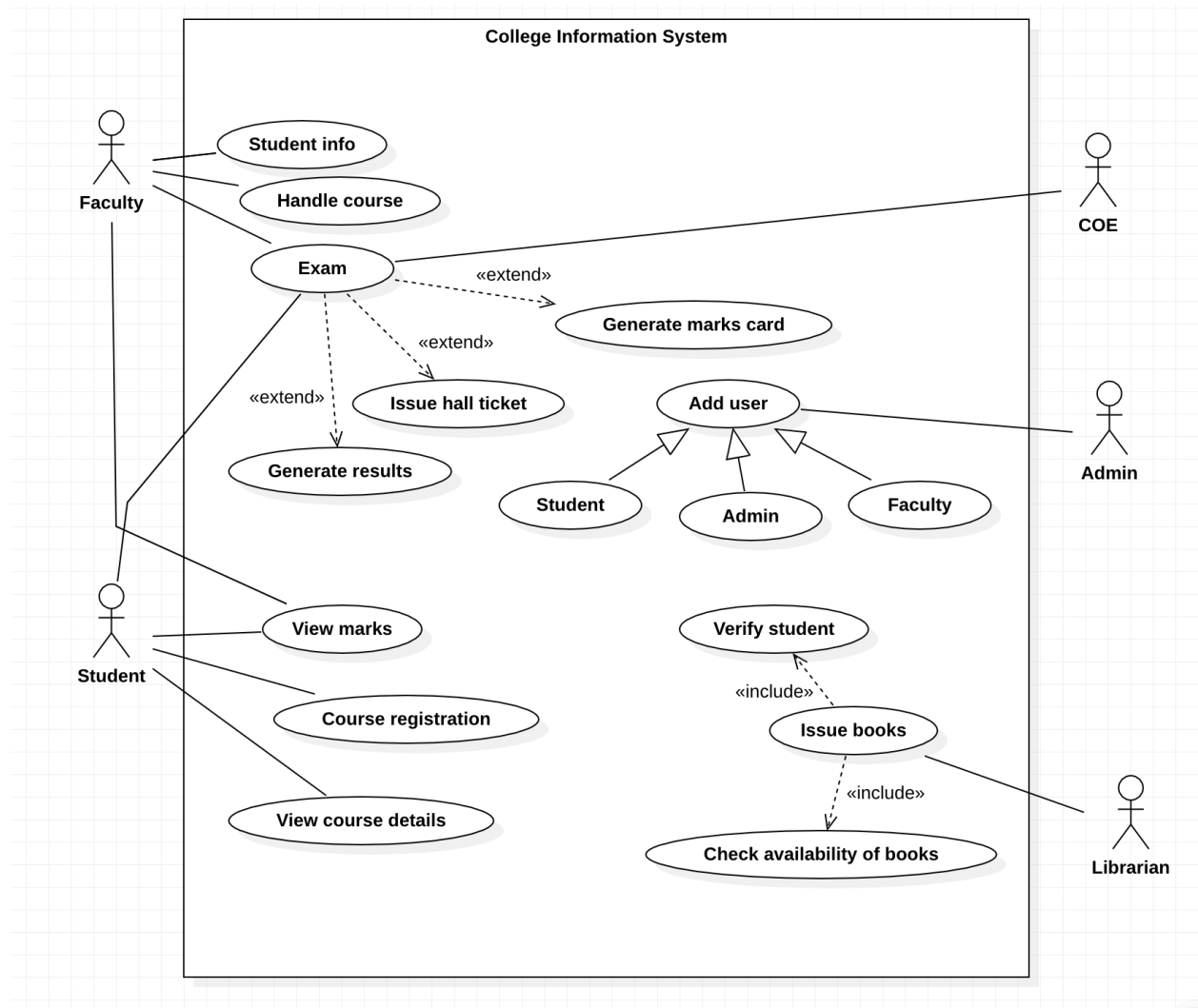
**Dr. Jyothi S Nayak**  
Professor and Head  
Department of CSE  
BMSCE, Bengaluru

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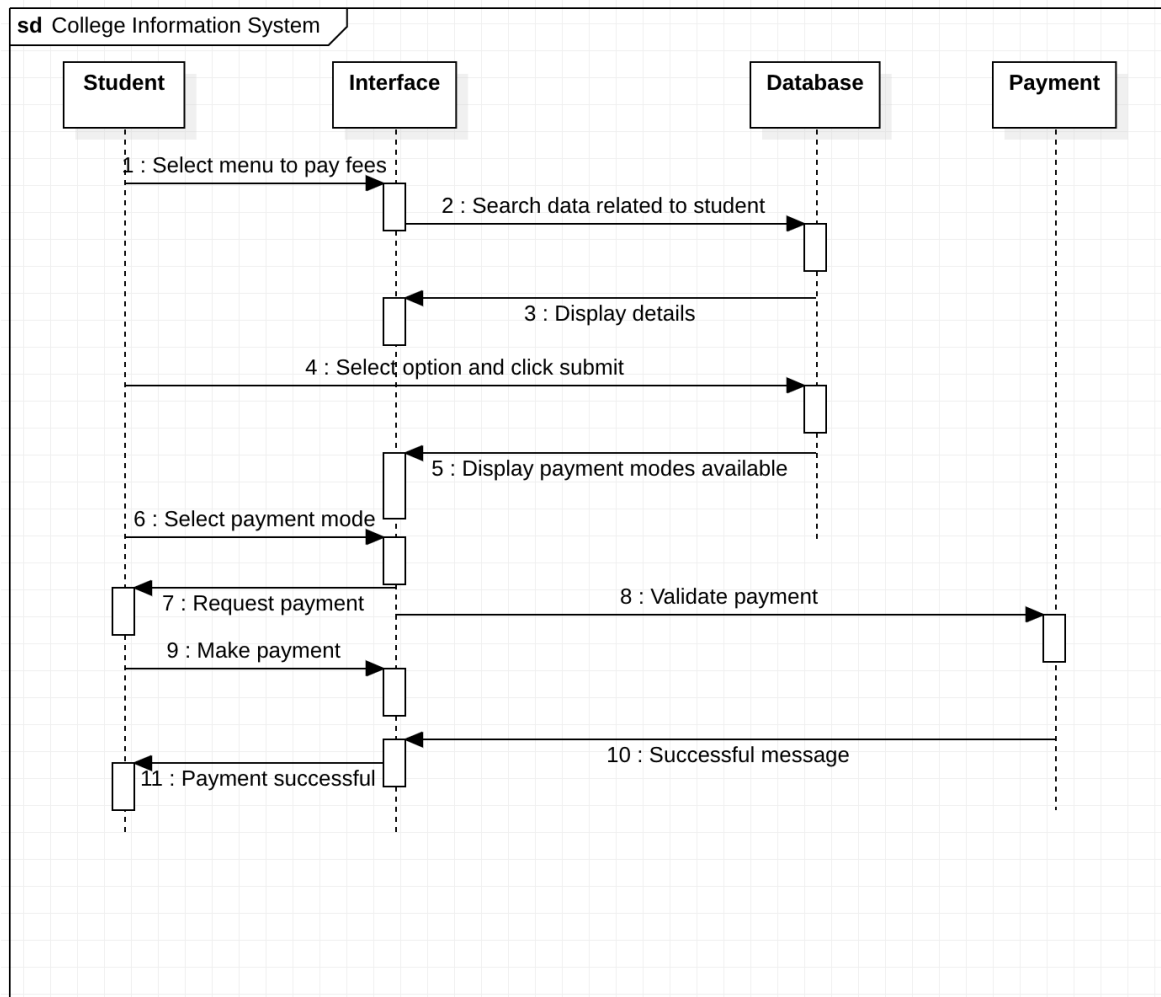
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# 1. COLLEGE INFORMATION SYSTEM

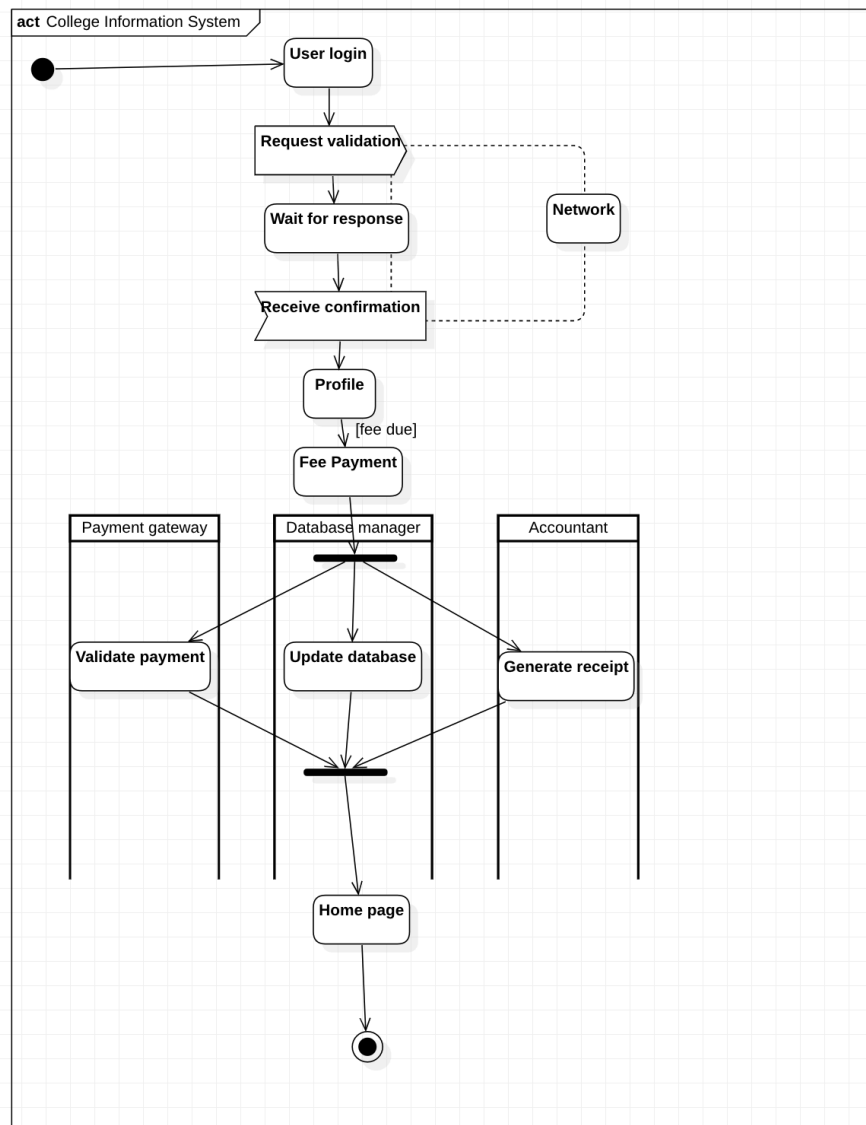
UseCase Diagram :



## Sequence Diagram :

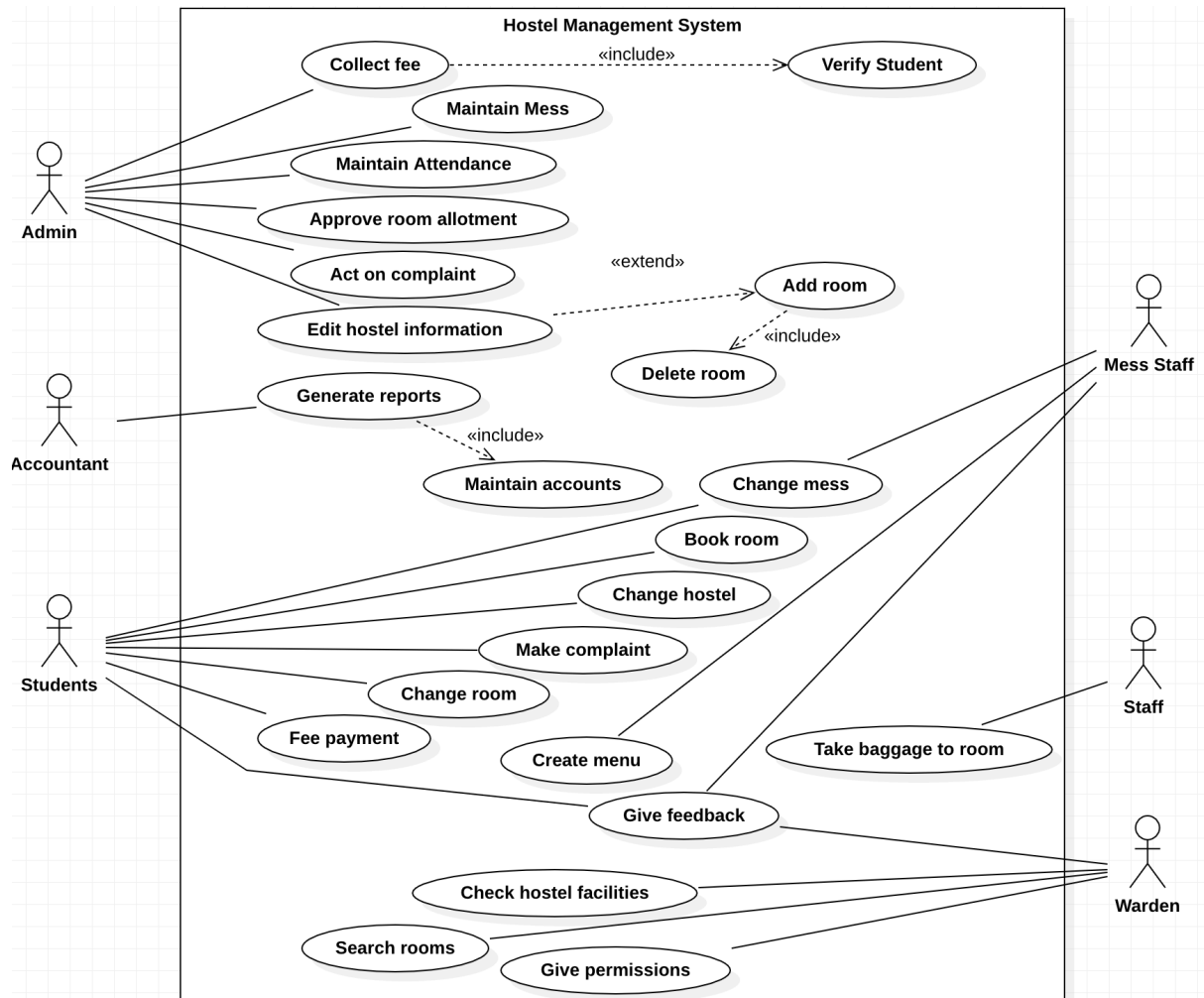


## Activity Diagram :

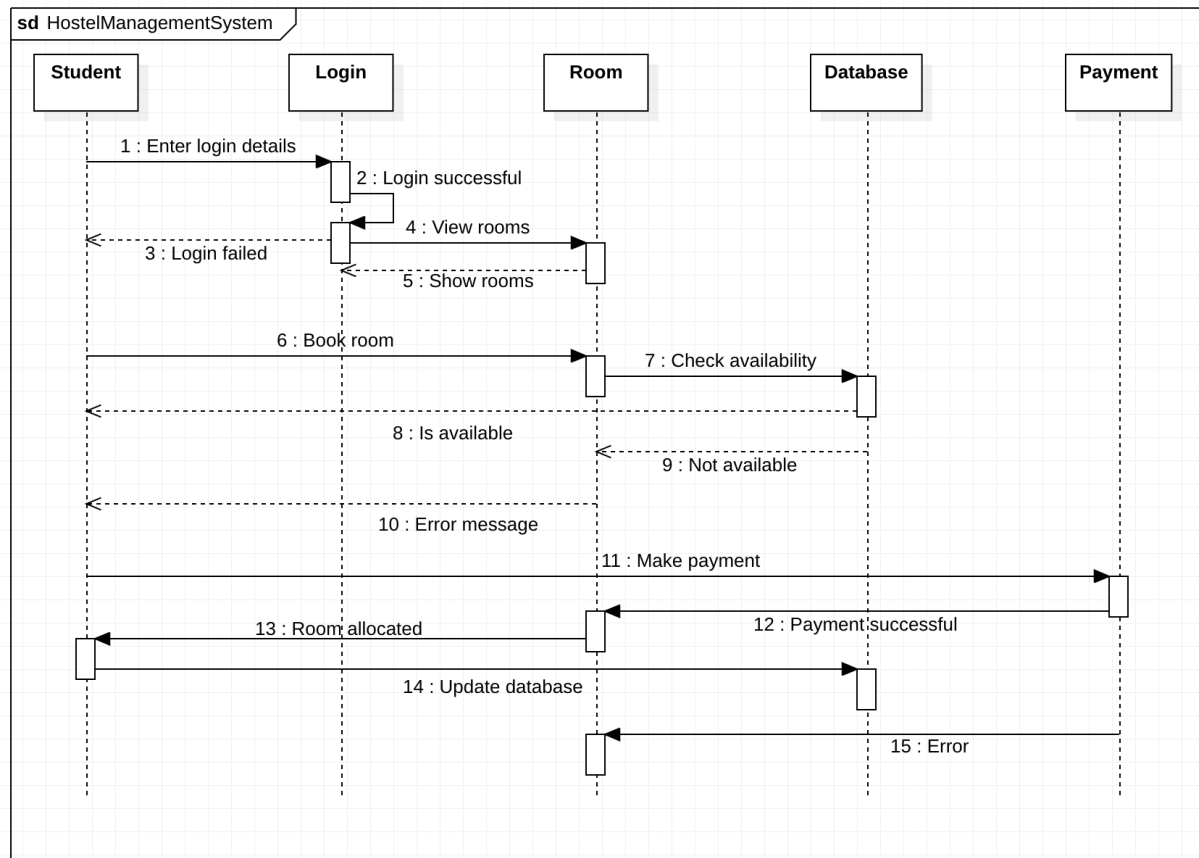


## 2. HOSTEL MANAGEMENT SYSTEM

UseCase Diagram :

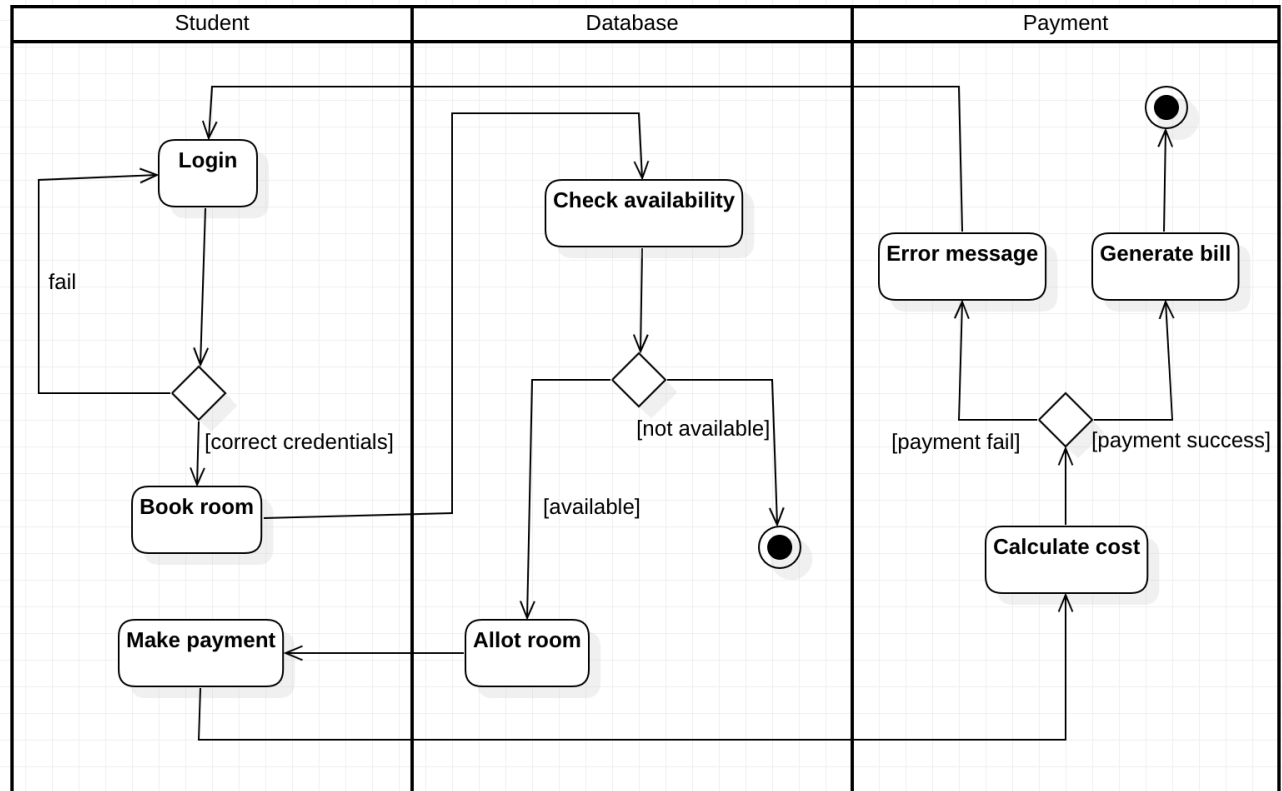


## Sequence Diagram :



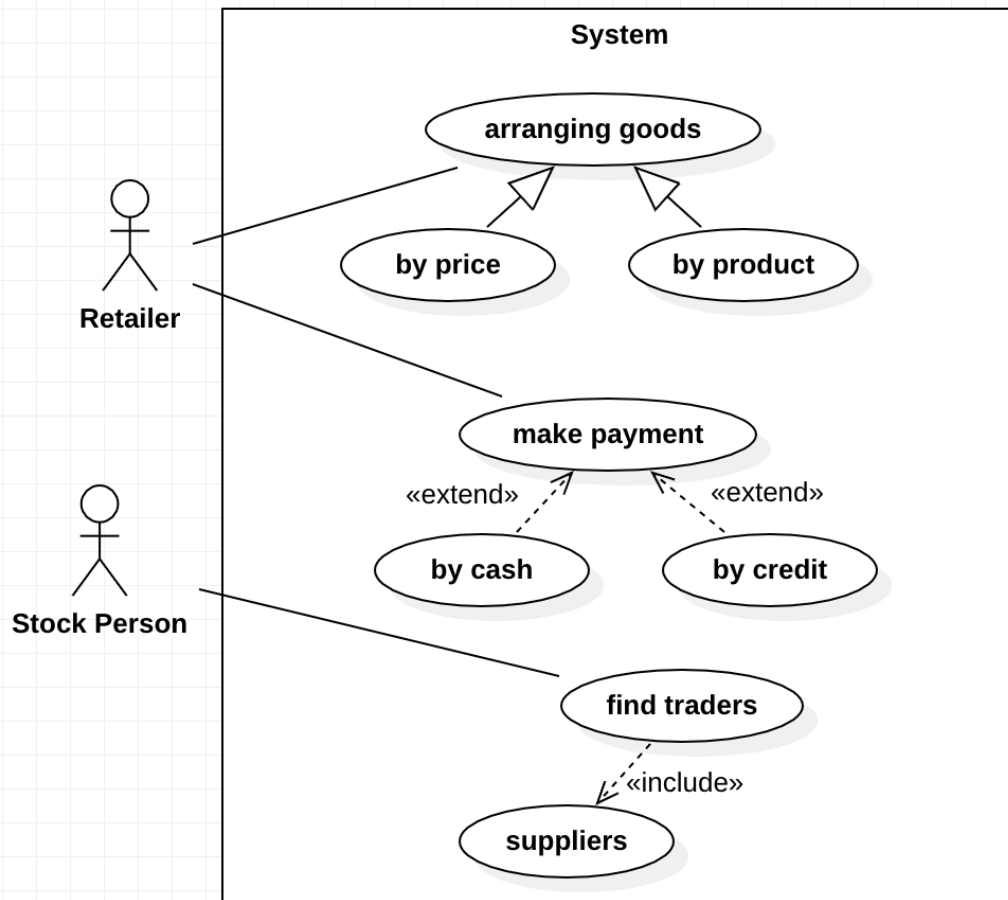


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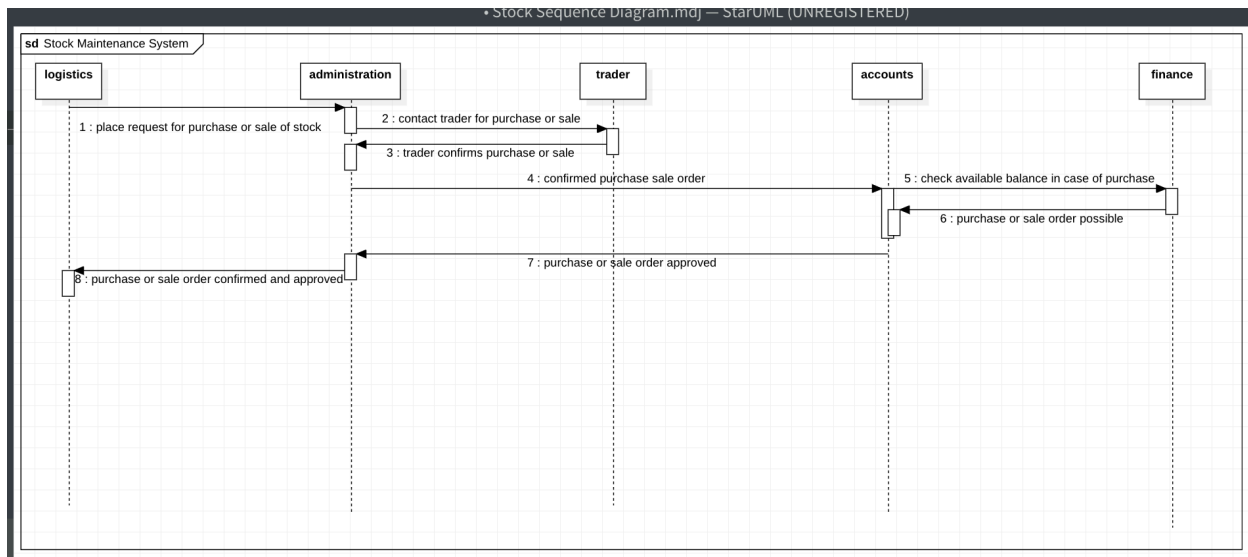


### 3. STOCK MANAGEMENT SYSTEM

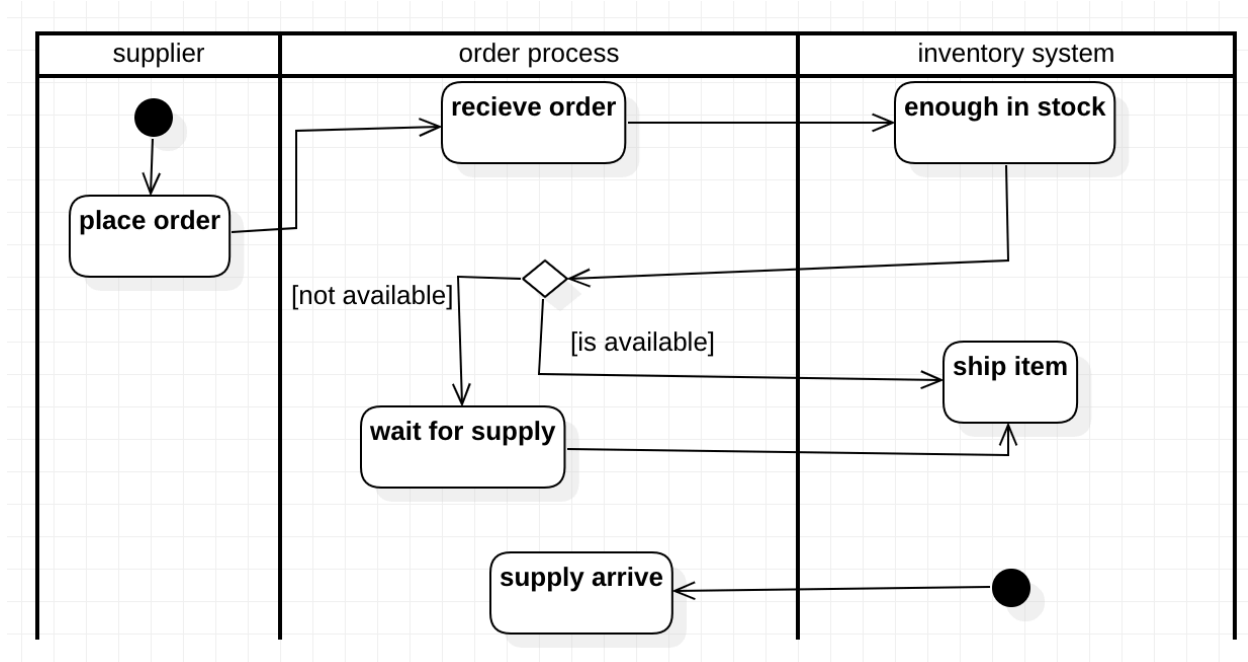
UseCase Diagram :



## Sequence Diagram :

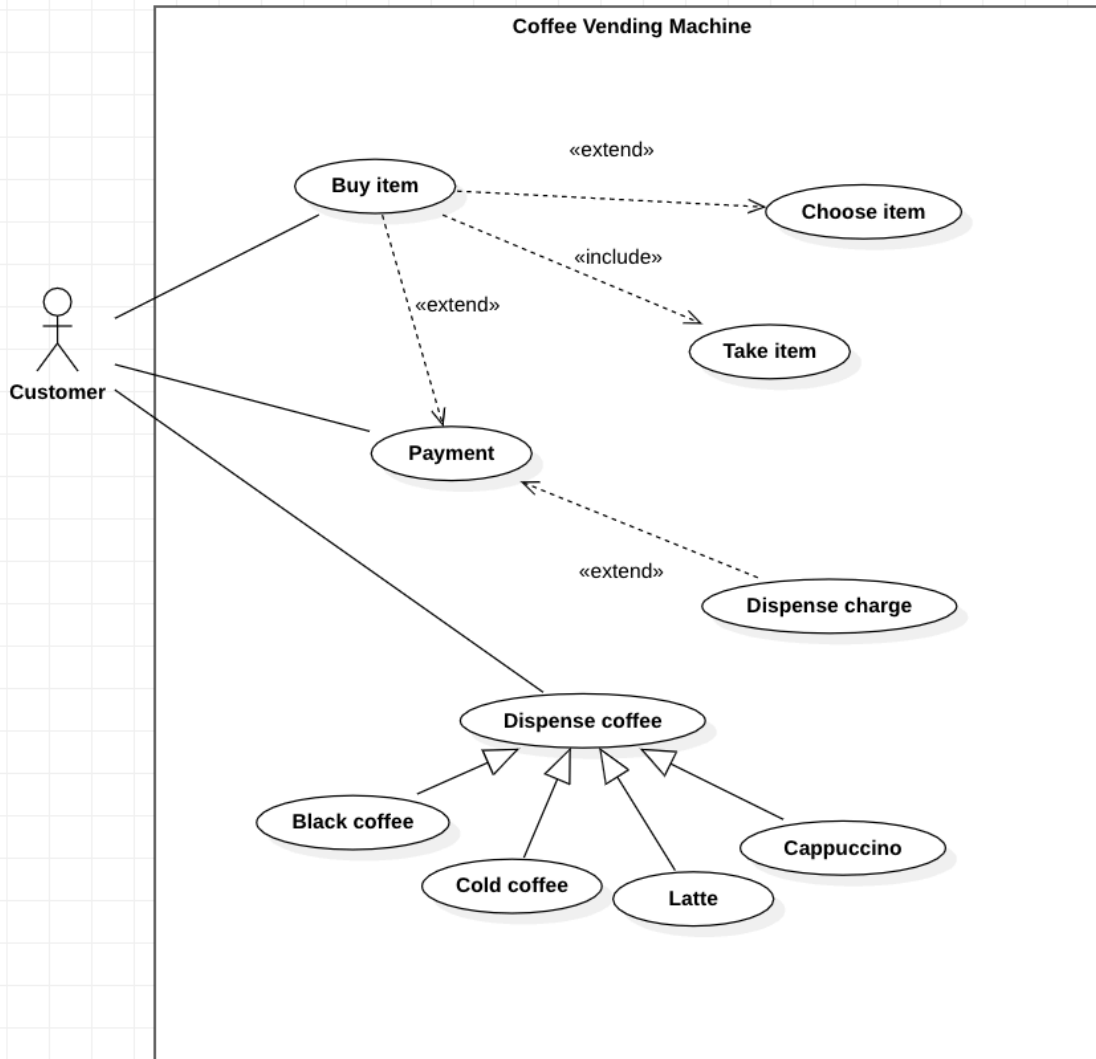


Activity Diagram :

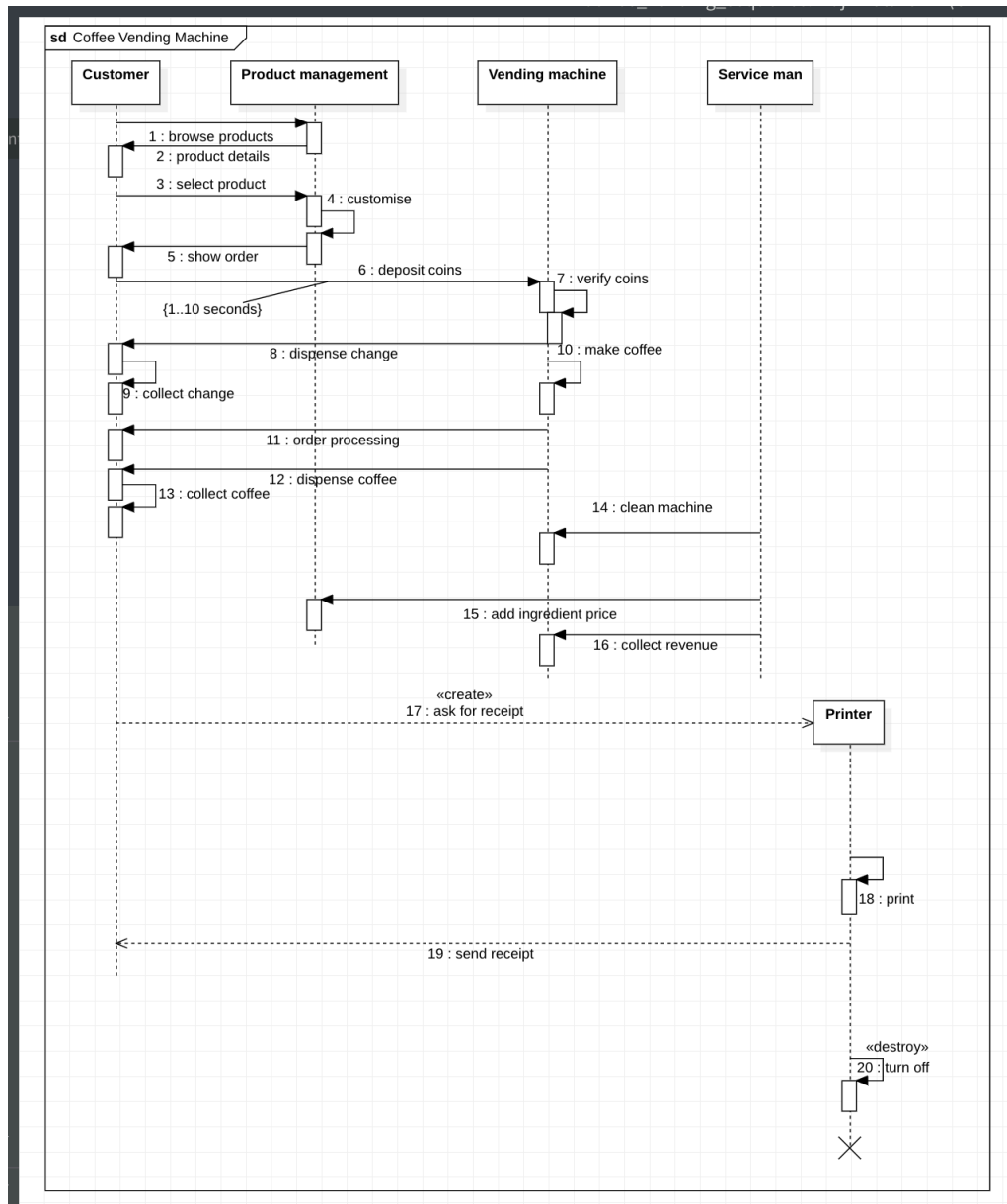


## 4. COFFEE VENDING MACHINE

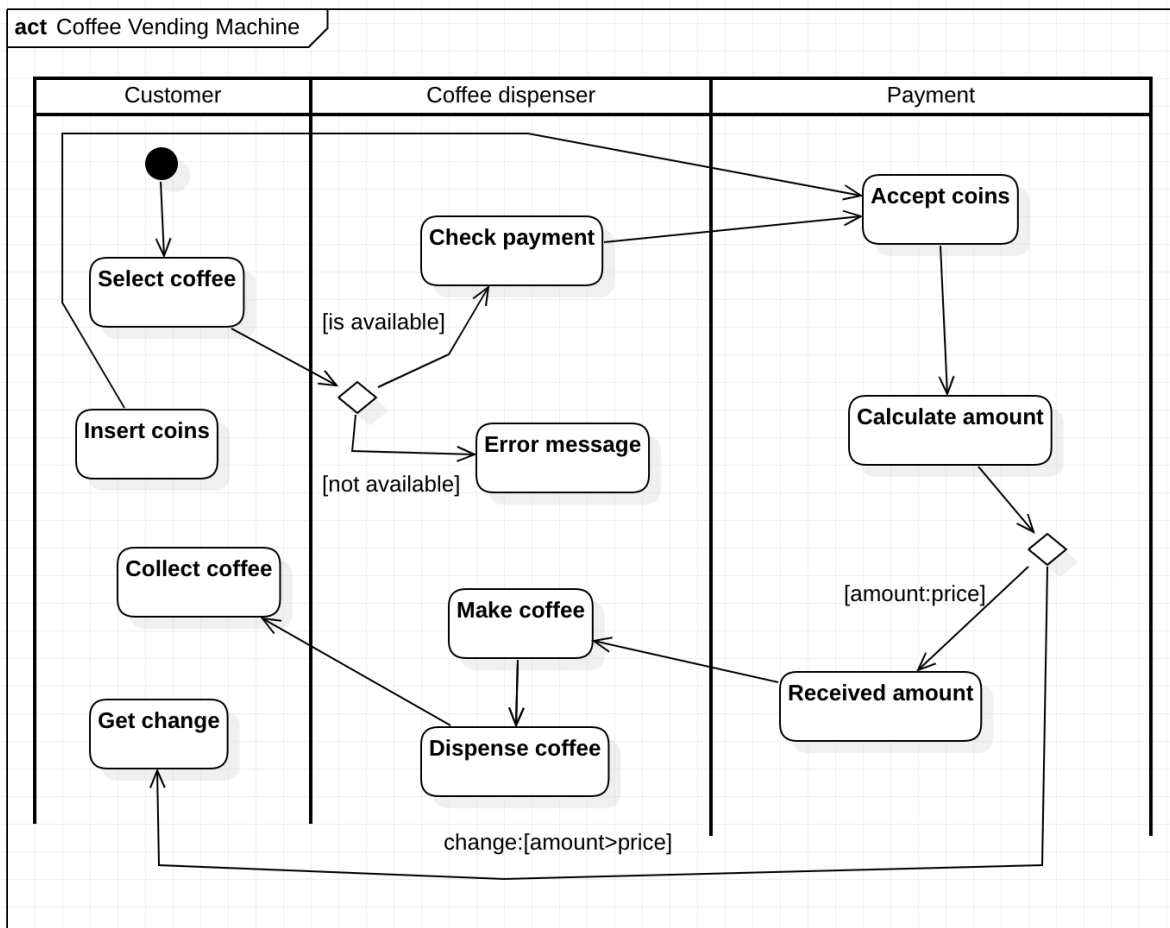
UseCase Diagram :



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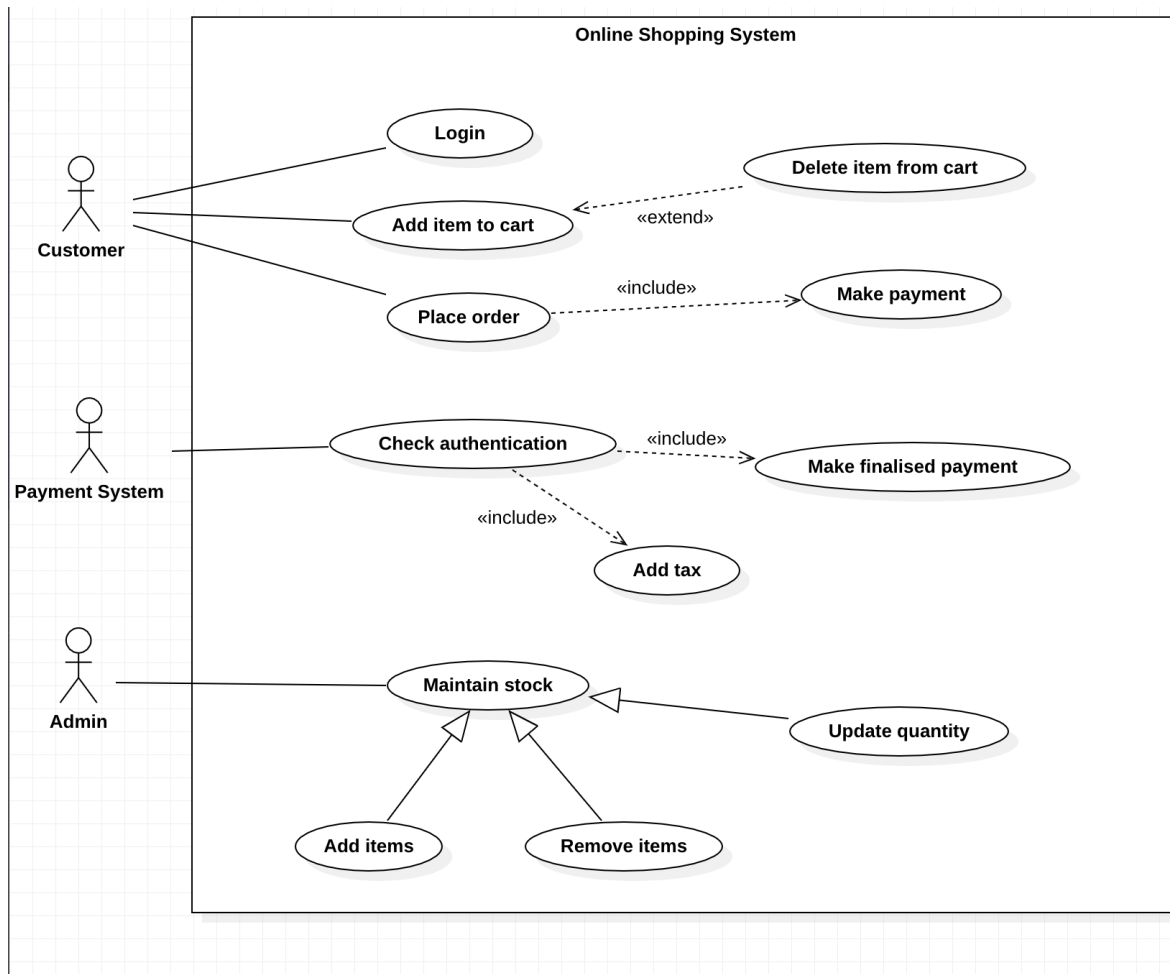


## Activity Diagram :



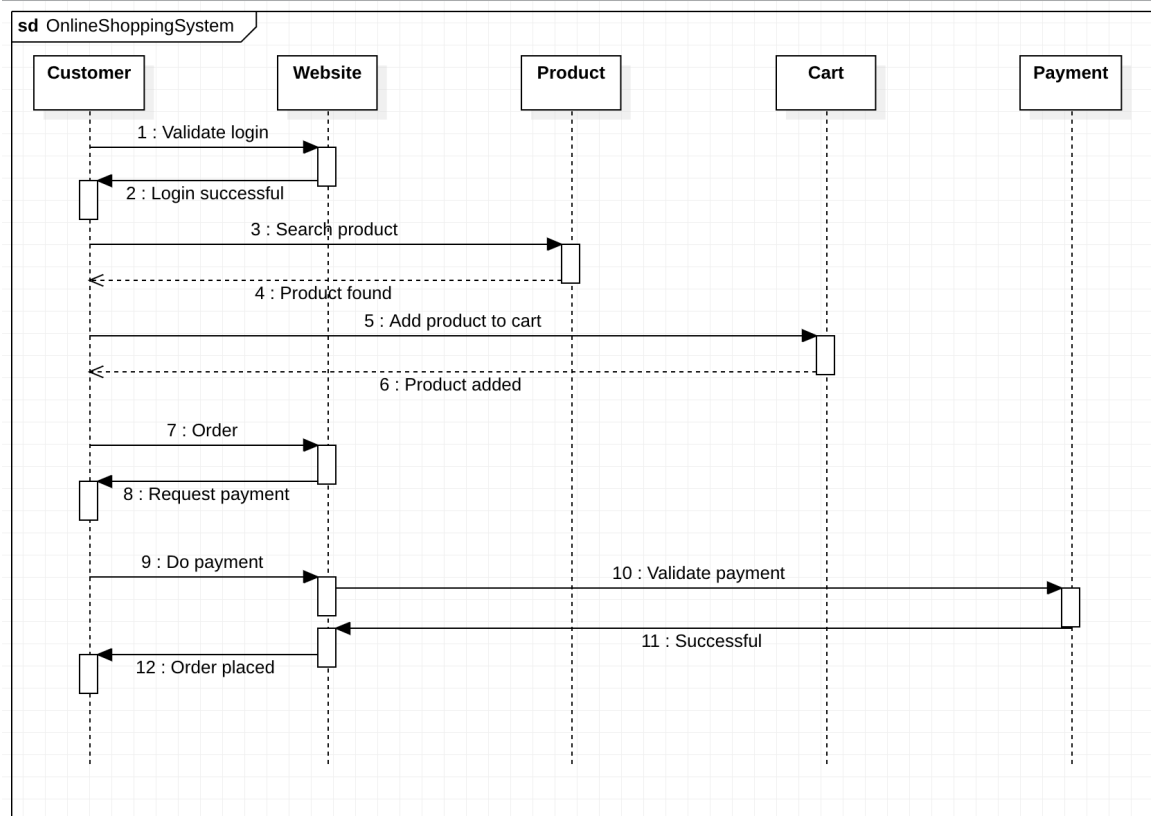
## 5. ONLINE SHOPPING SYSTEM

UseCase Diagram :

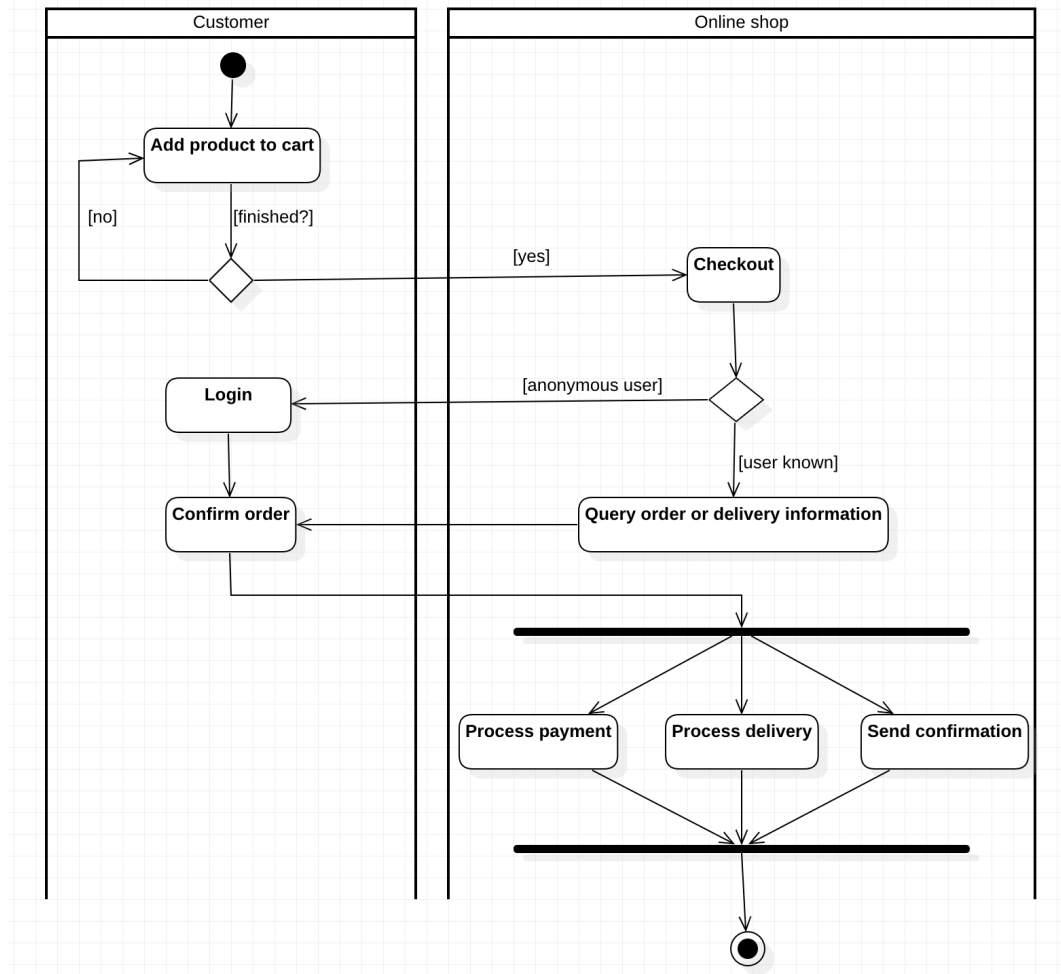




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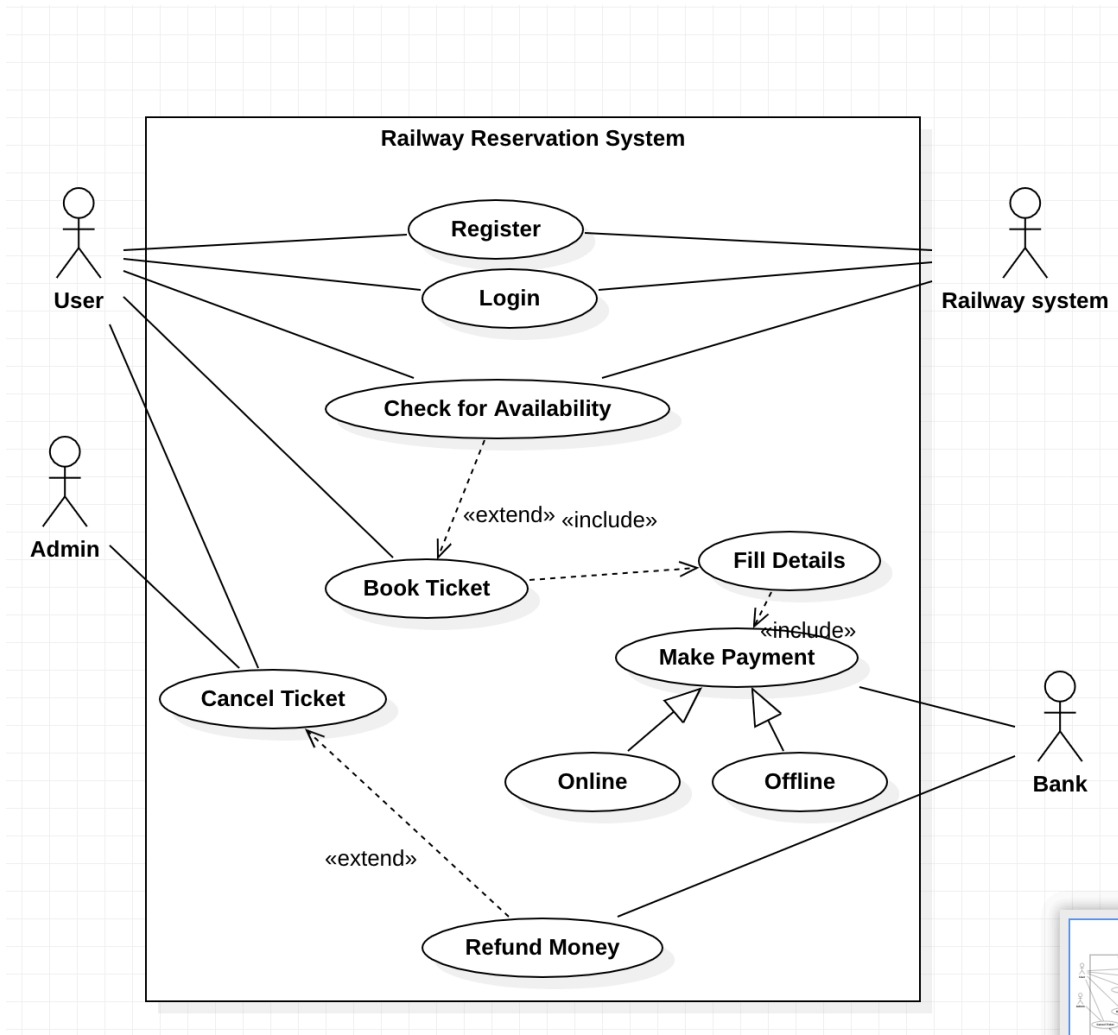


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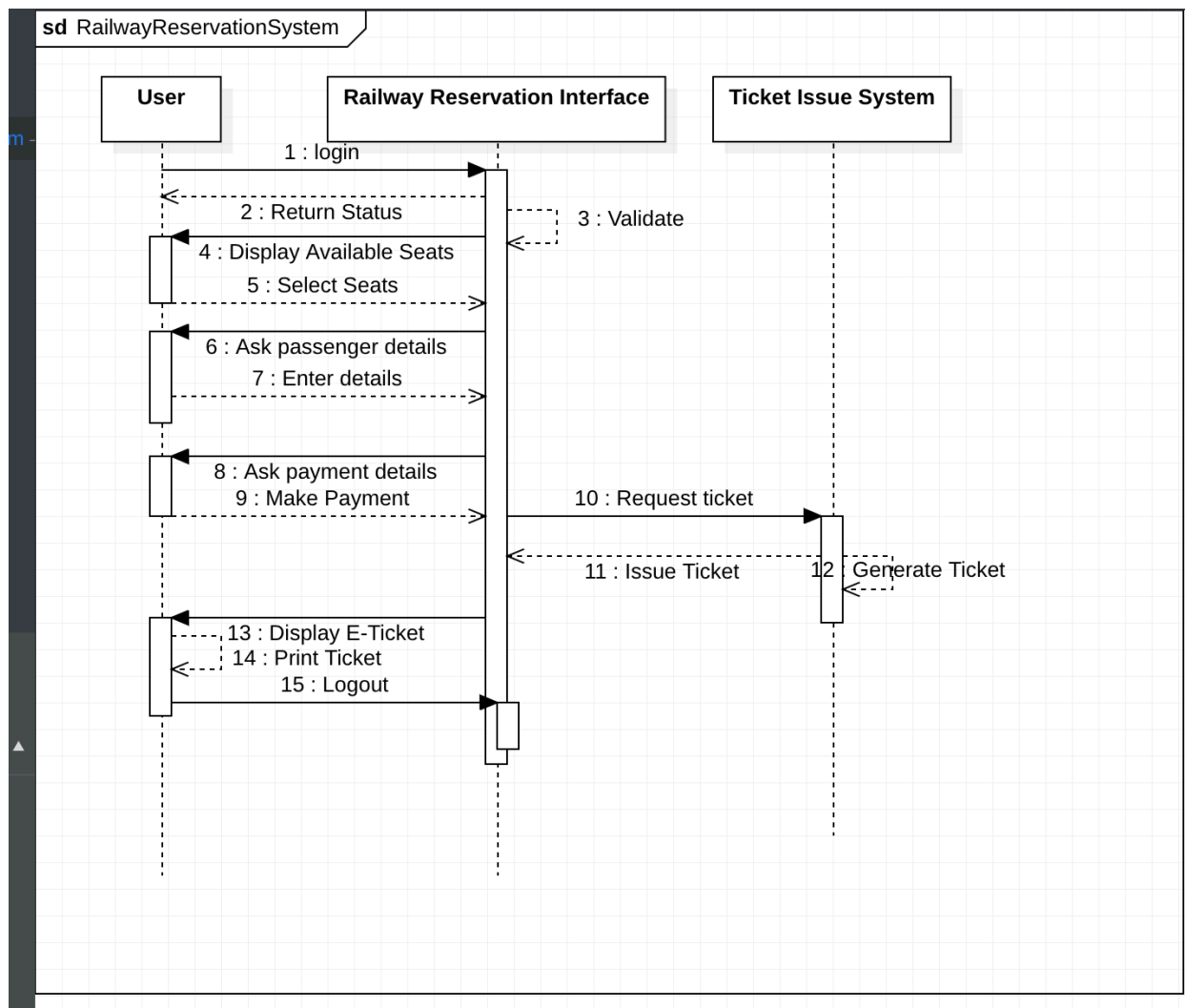


## 6. RAILWAY RESERVATION SYSTEM

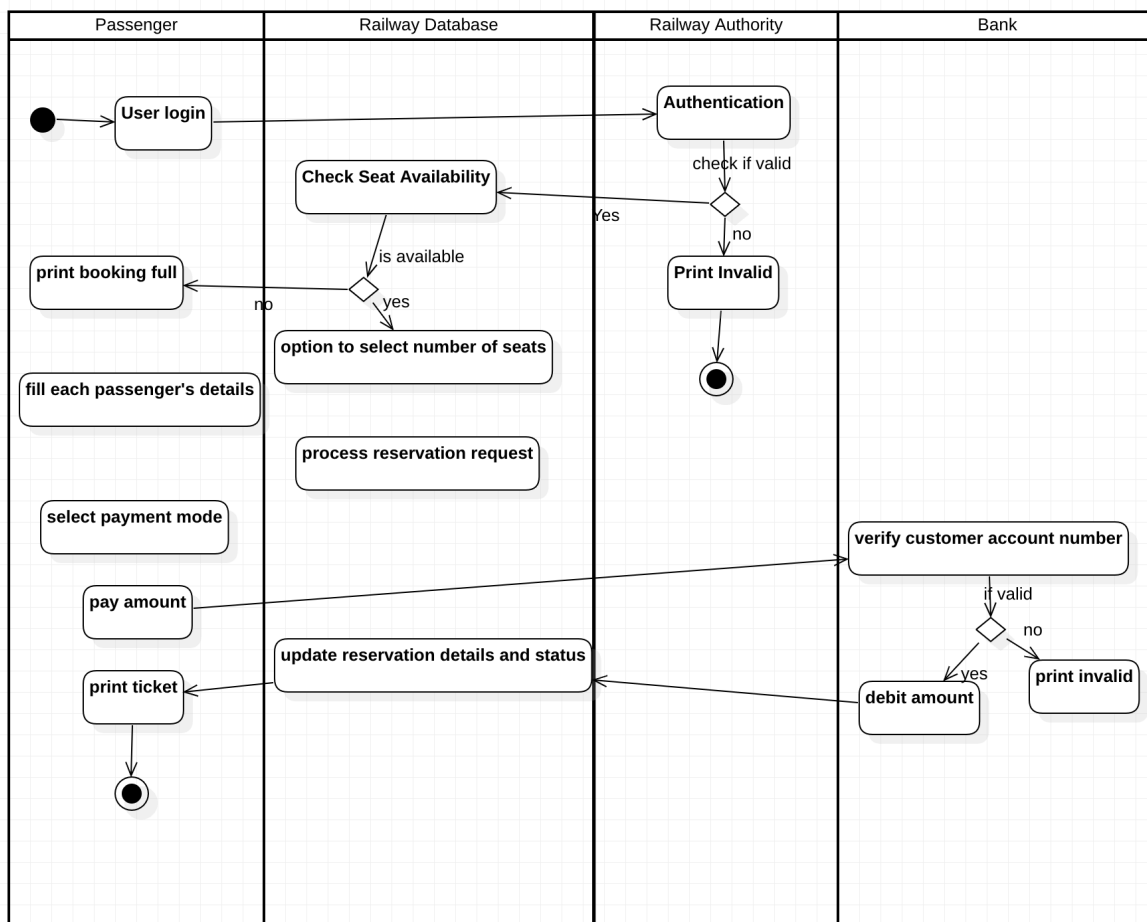
UseCase Diagram :



## Sequence Diagram :

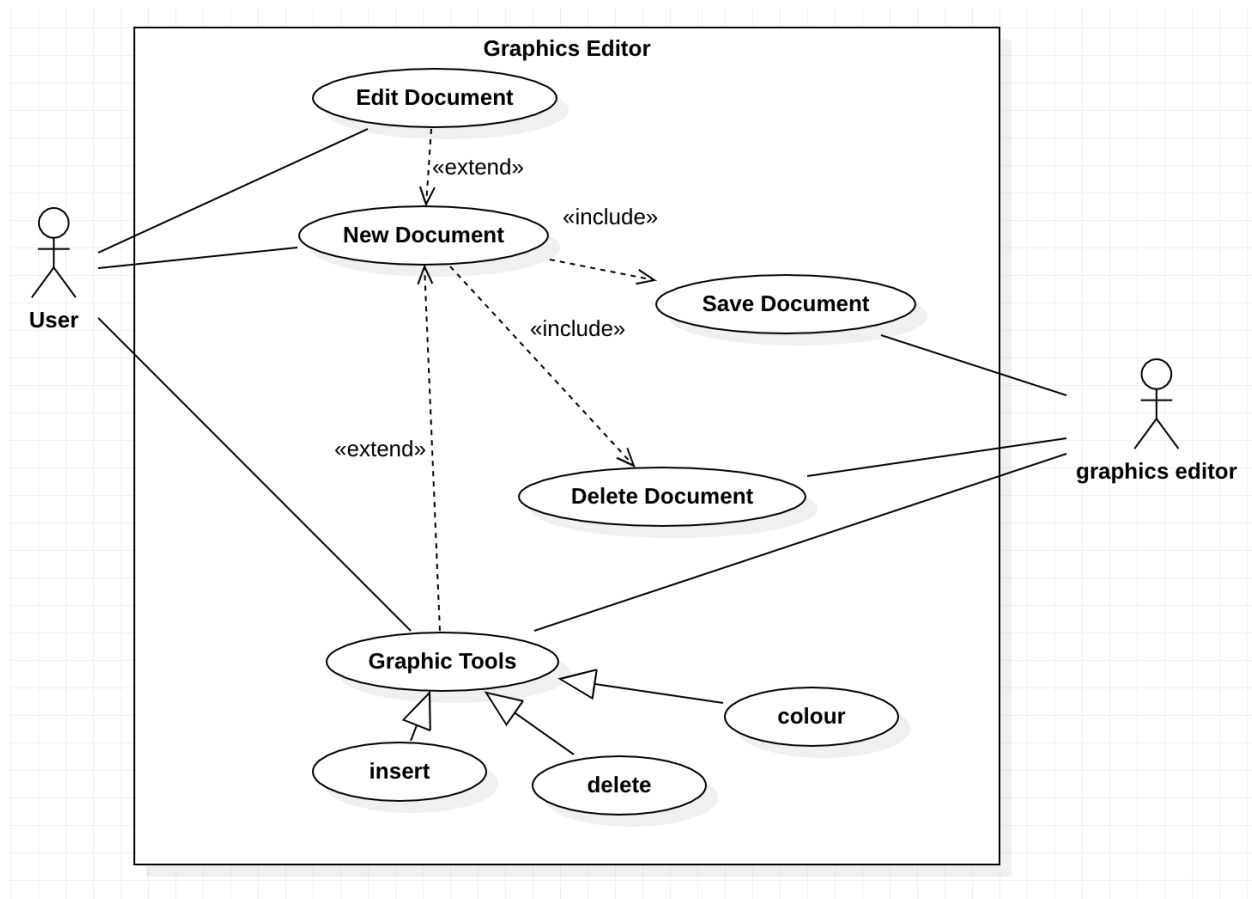


## Activity Diagram :

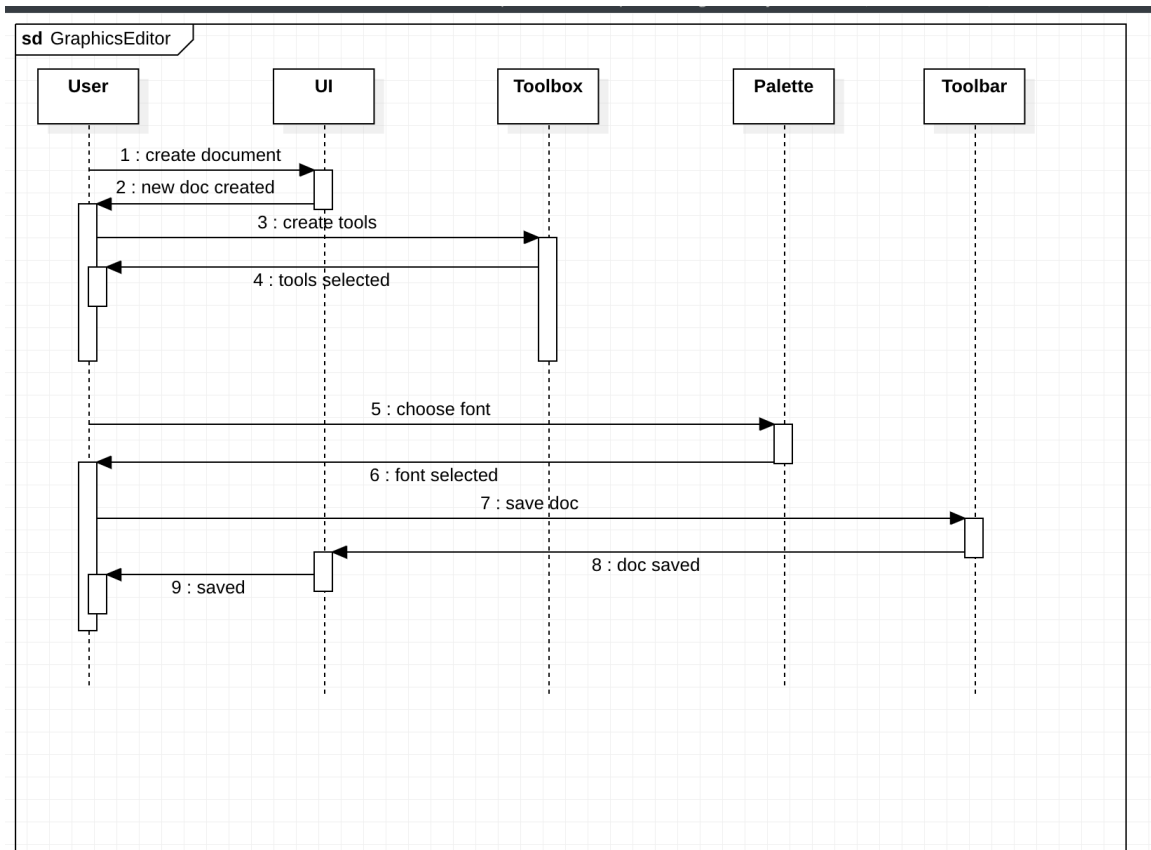


## 7. GRAPHICS EDITOR SYSTEM

UseCase Diagram :



## Sequence Diagram :



## Activity Diagram :

