

**VISVESVARAYA TECHNOLOGICAL  
UNIVERSITY** “JnanaSangama”, Belgaum -590014, Karnataka.



**LAB REPORT**  
**on**

**OBJECT ORIENTED MODELLING AND DESIGN**

*Submitted by*

**Shivani Gahlot (1BM19CS150)**

*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 **Shivani Gahlot (1BM19CS150)**, 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.

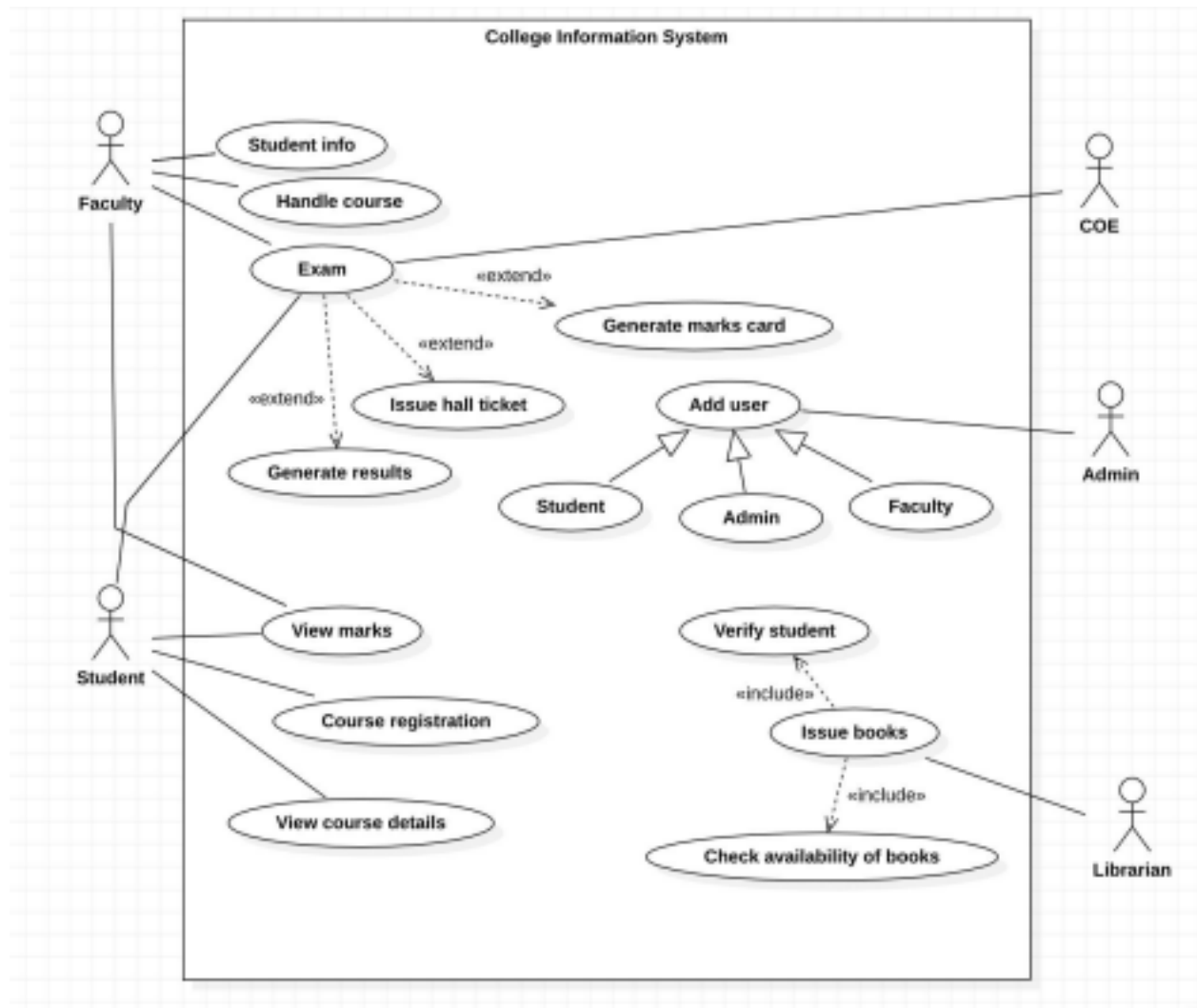
**Dr. Shyamala G Dr. Jyothi S Nayak** Assistant Professor Professor and Head  
Department of CSE Department of CSE BMSCE, Bengaluru BMSCE, Bengaluru

### **Index Sheet**

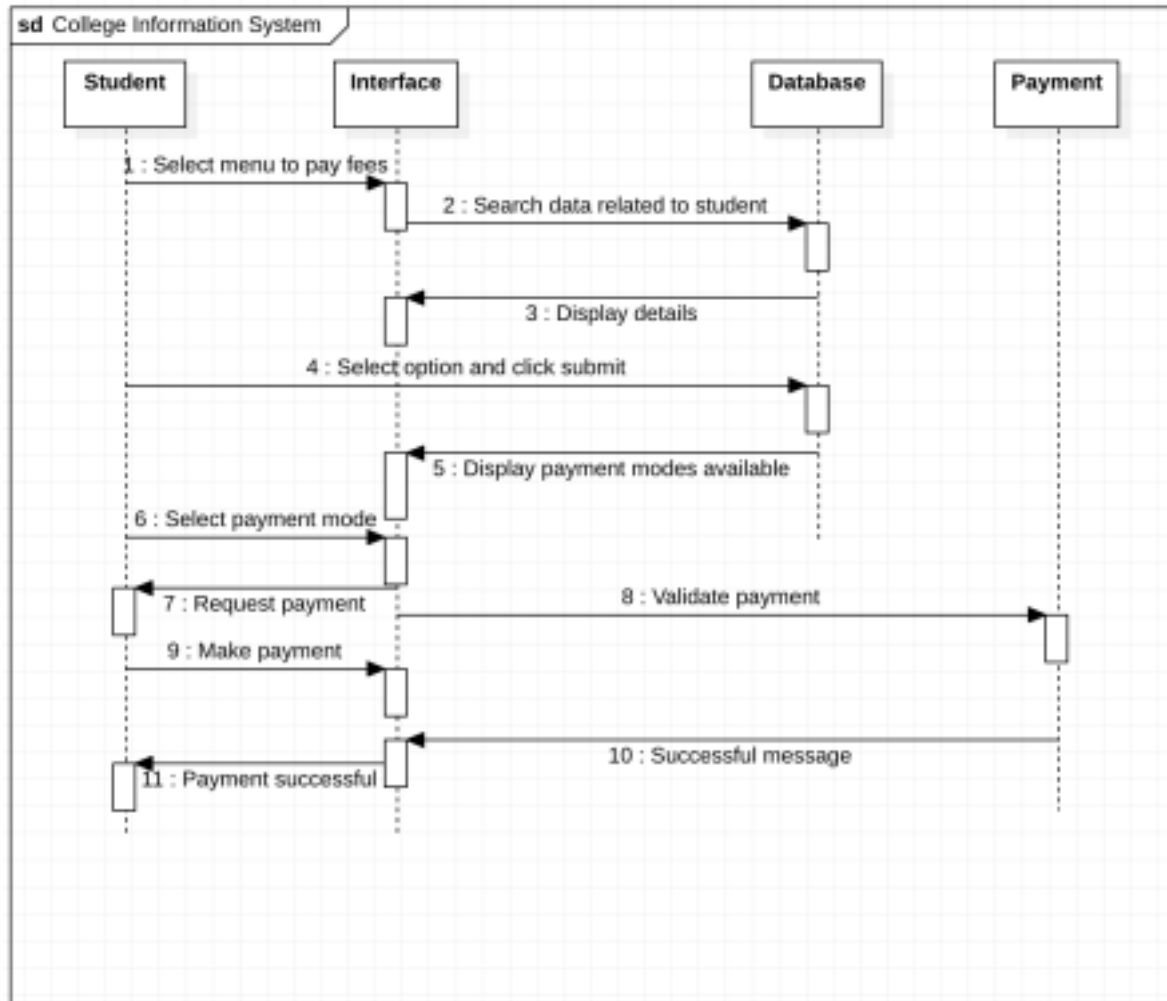
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# 1. COLLEGE INFORMATION SYSTEM

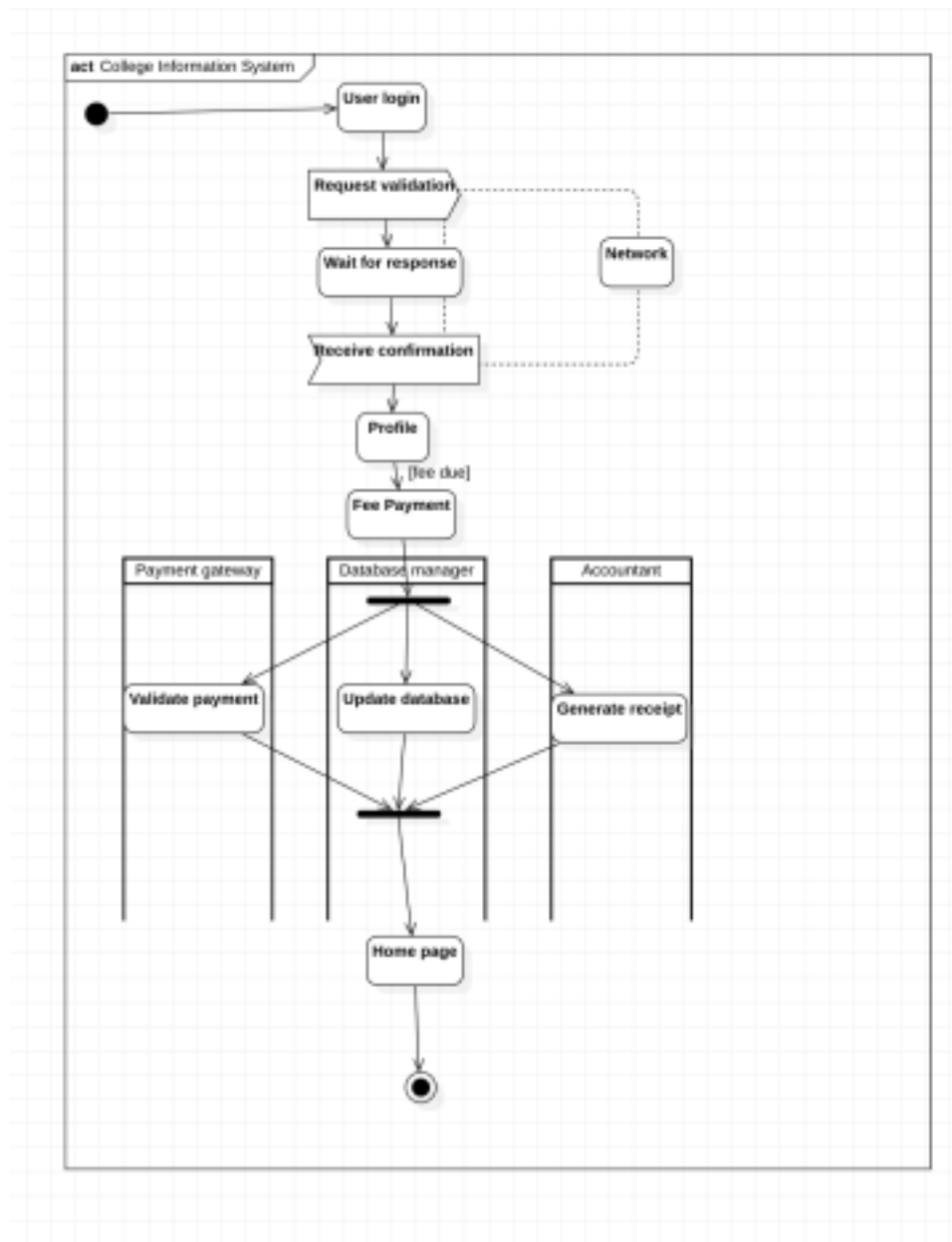
Use Case Diagram :



Sequence Diagram :

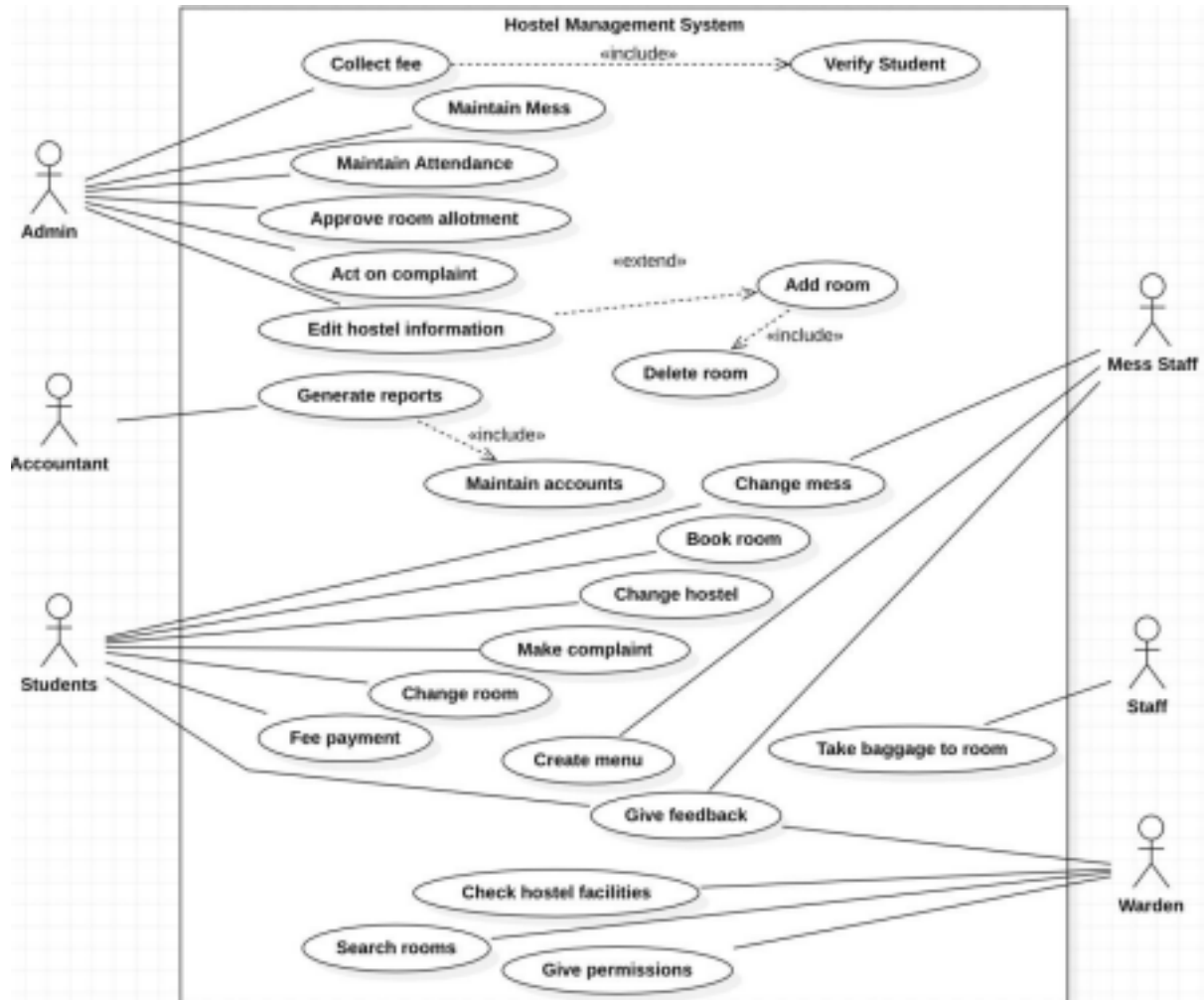


## Activity Diagram :

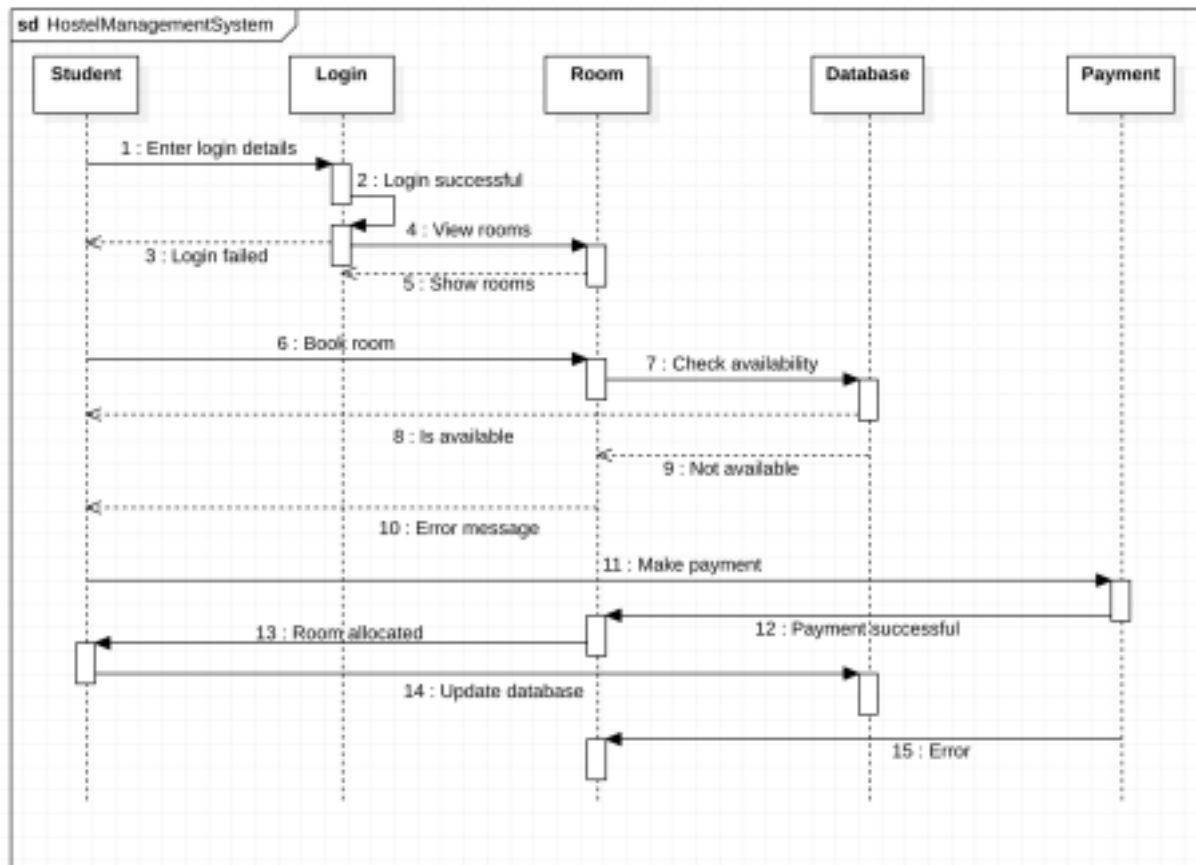


## 2. HOSTEL MANAGEMENT SYSTEM

UseCase Diagram :

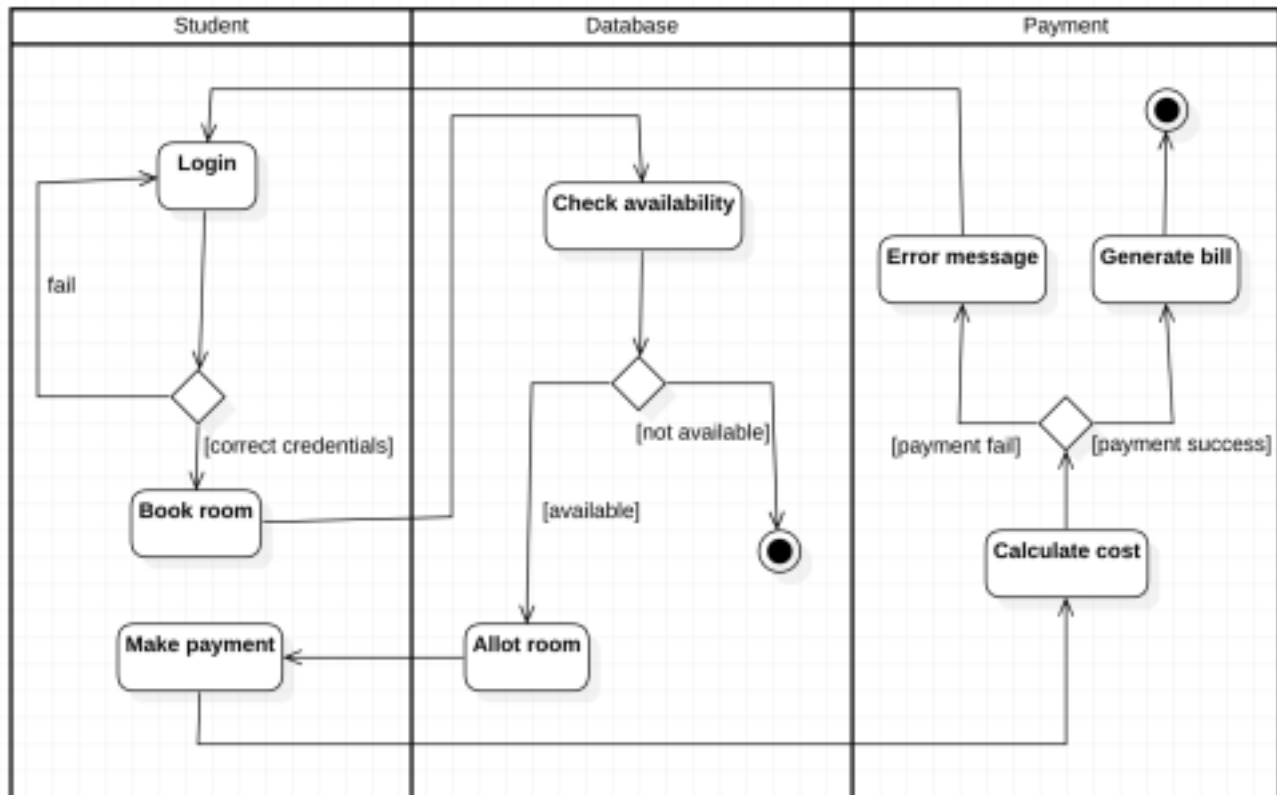


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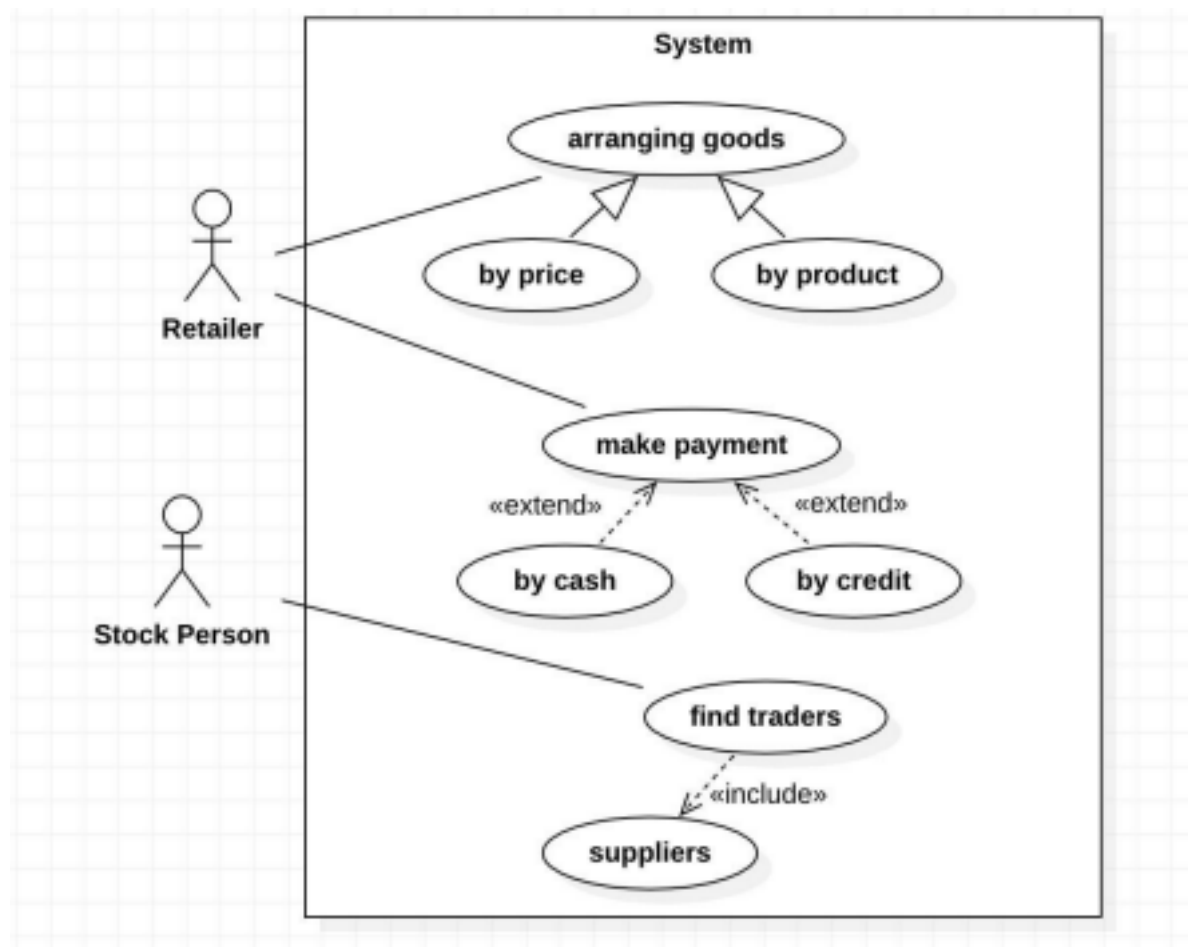


Activity Diagram :

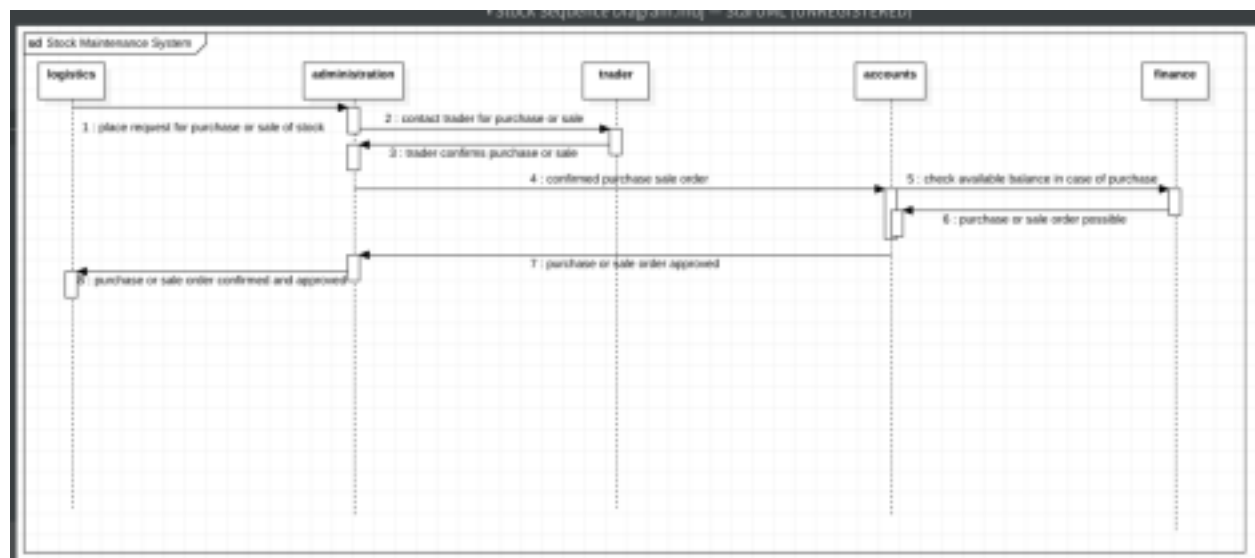


### 3. STOCK MANAGEMENT SYSTEM

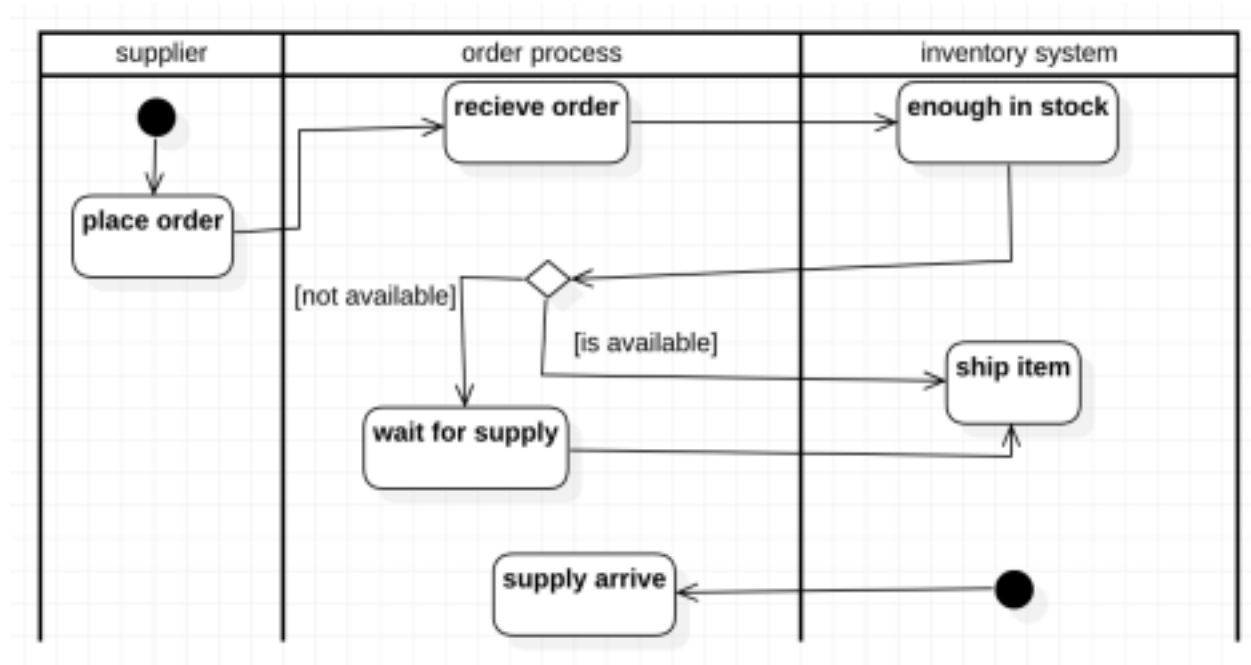
UseCase Diagram :



Sequence Diagram :

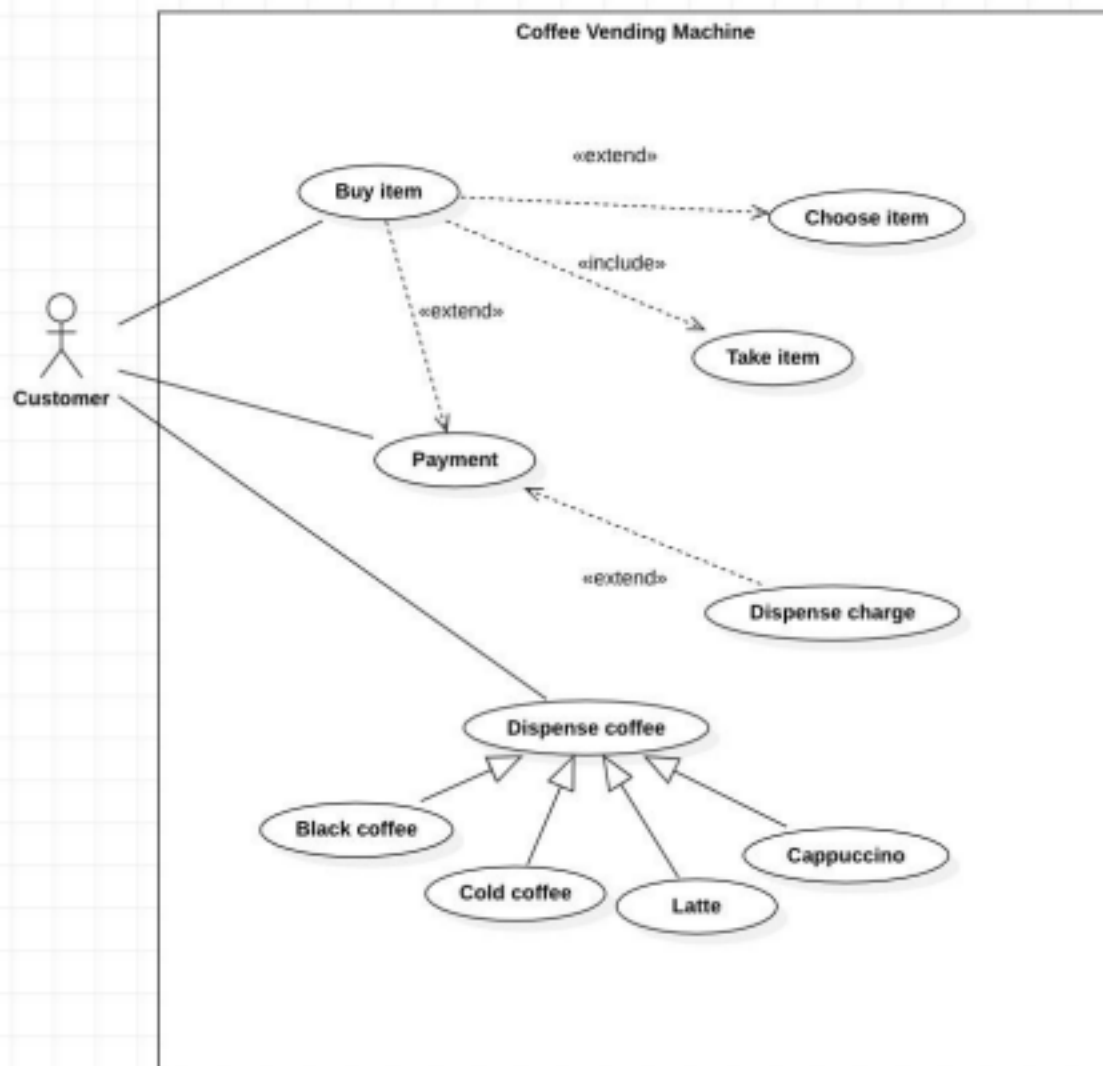


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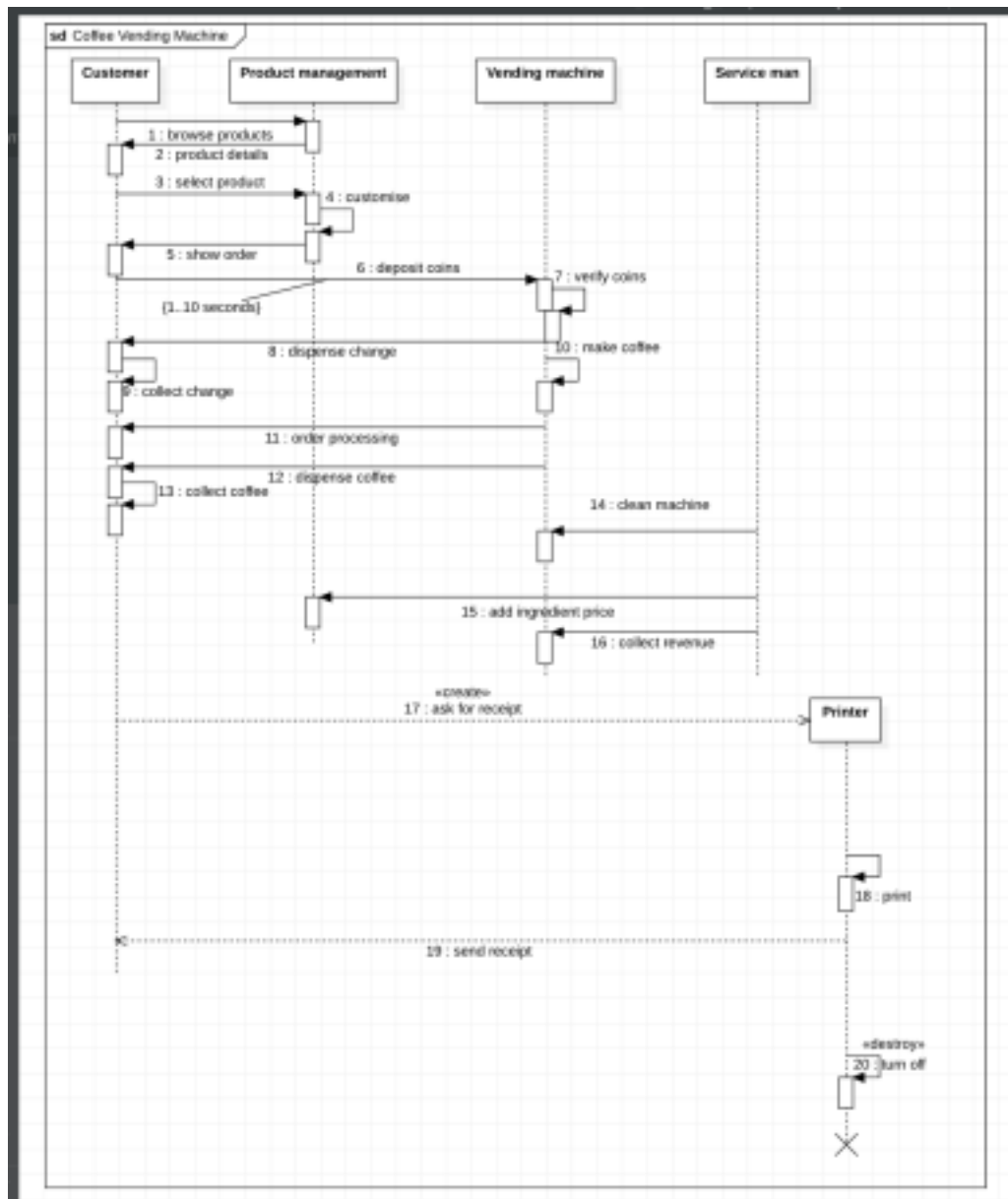


#### 4. COFFEE VENDING MACHINE

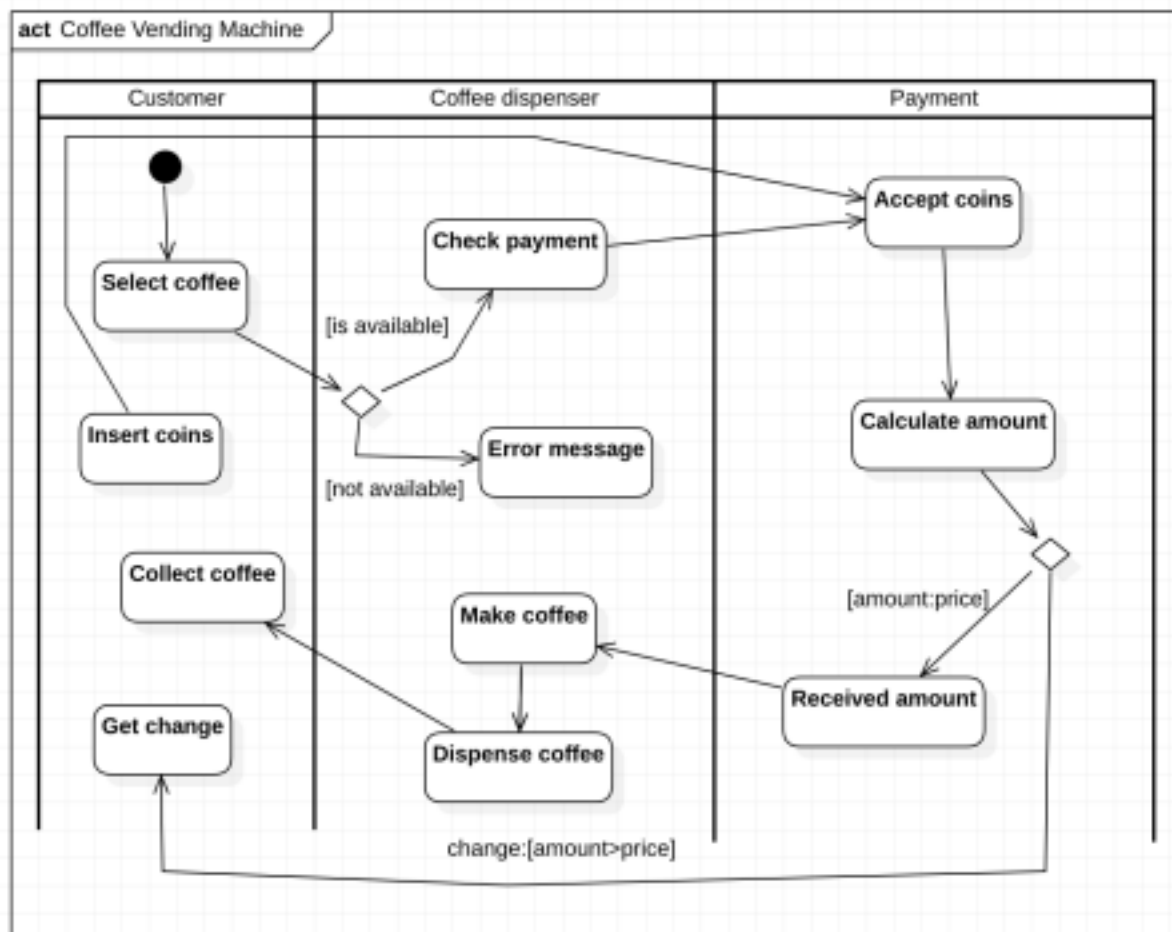
UseCase Diagram :



## Sequence Diagram :

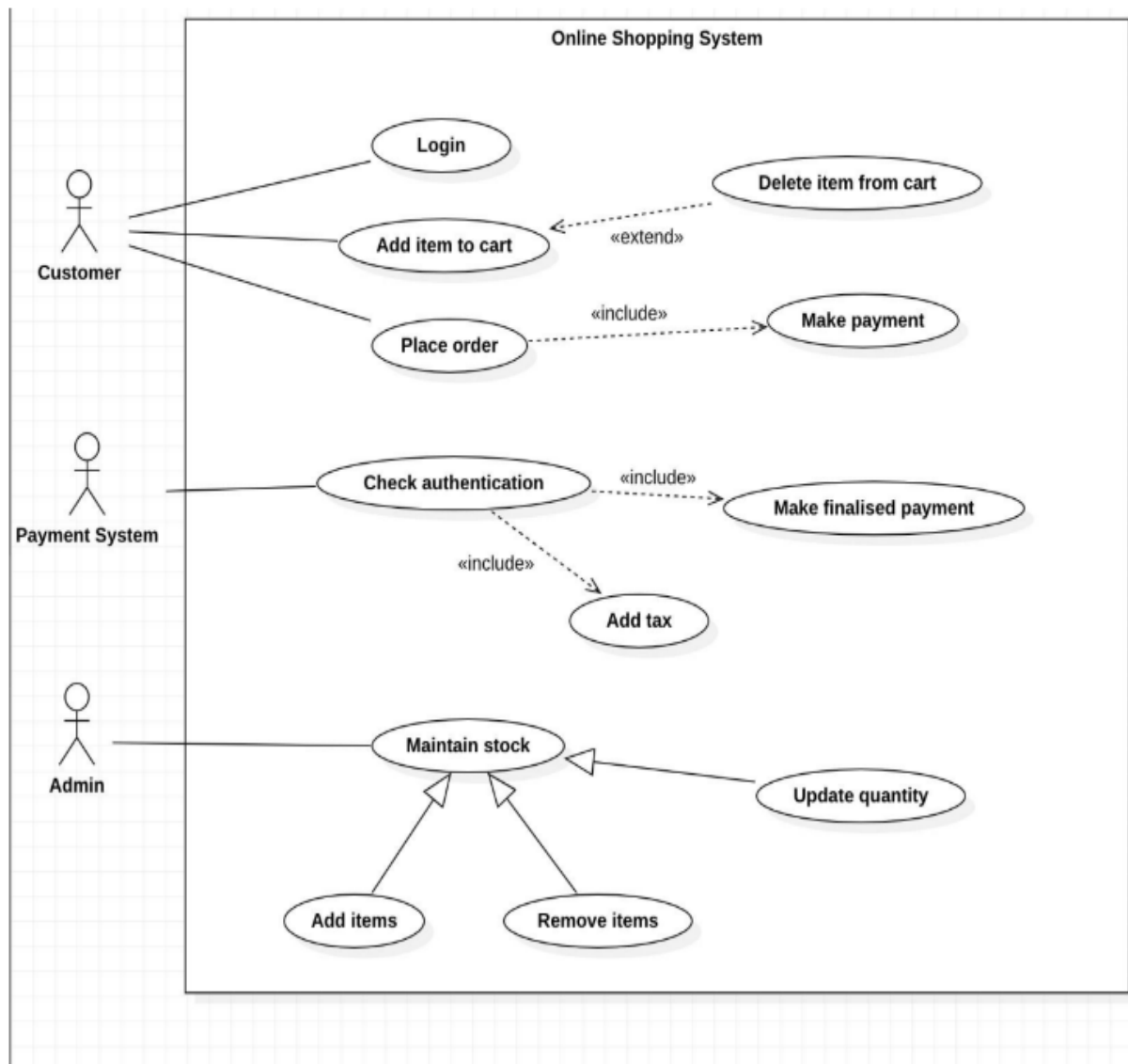


Activity Diagram :



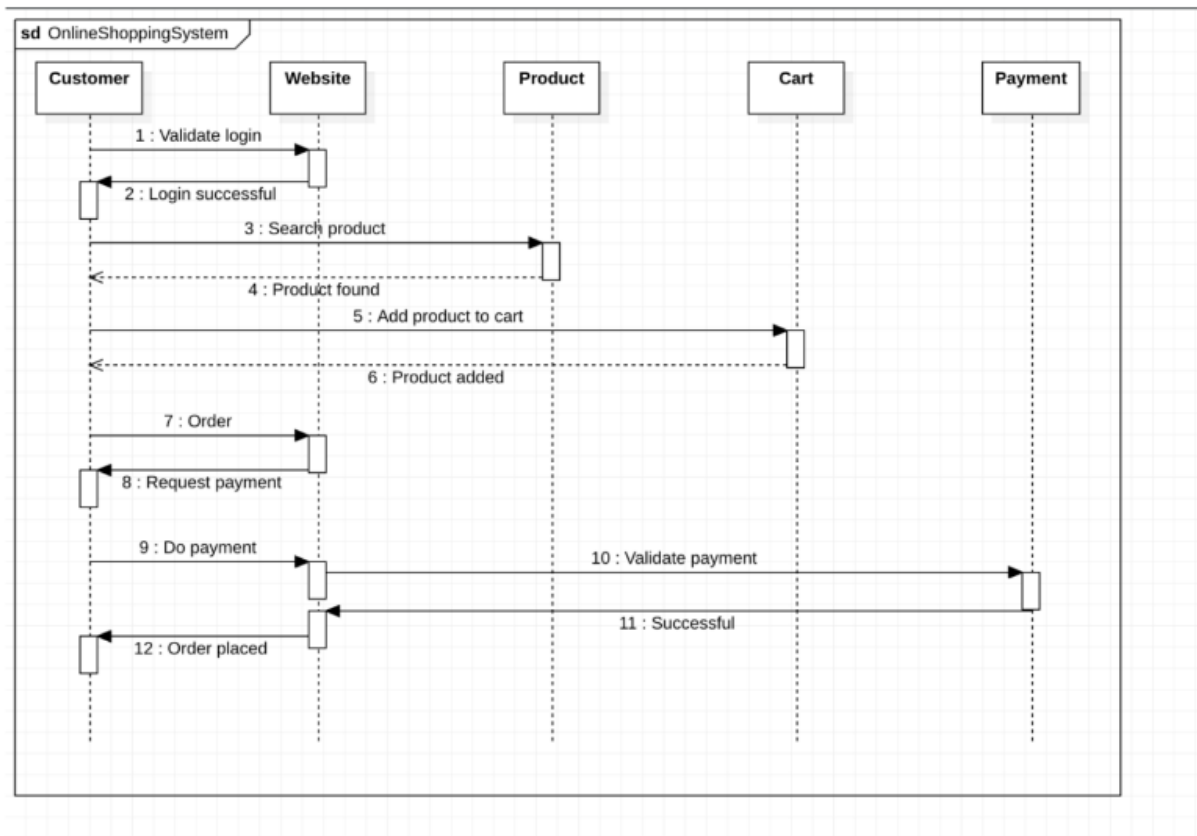
## 5. ONLINE SHOPPING SYSTEM

UseCase Diagram :

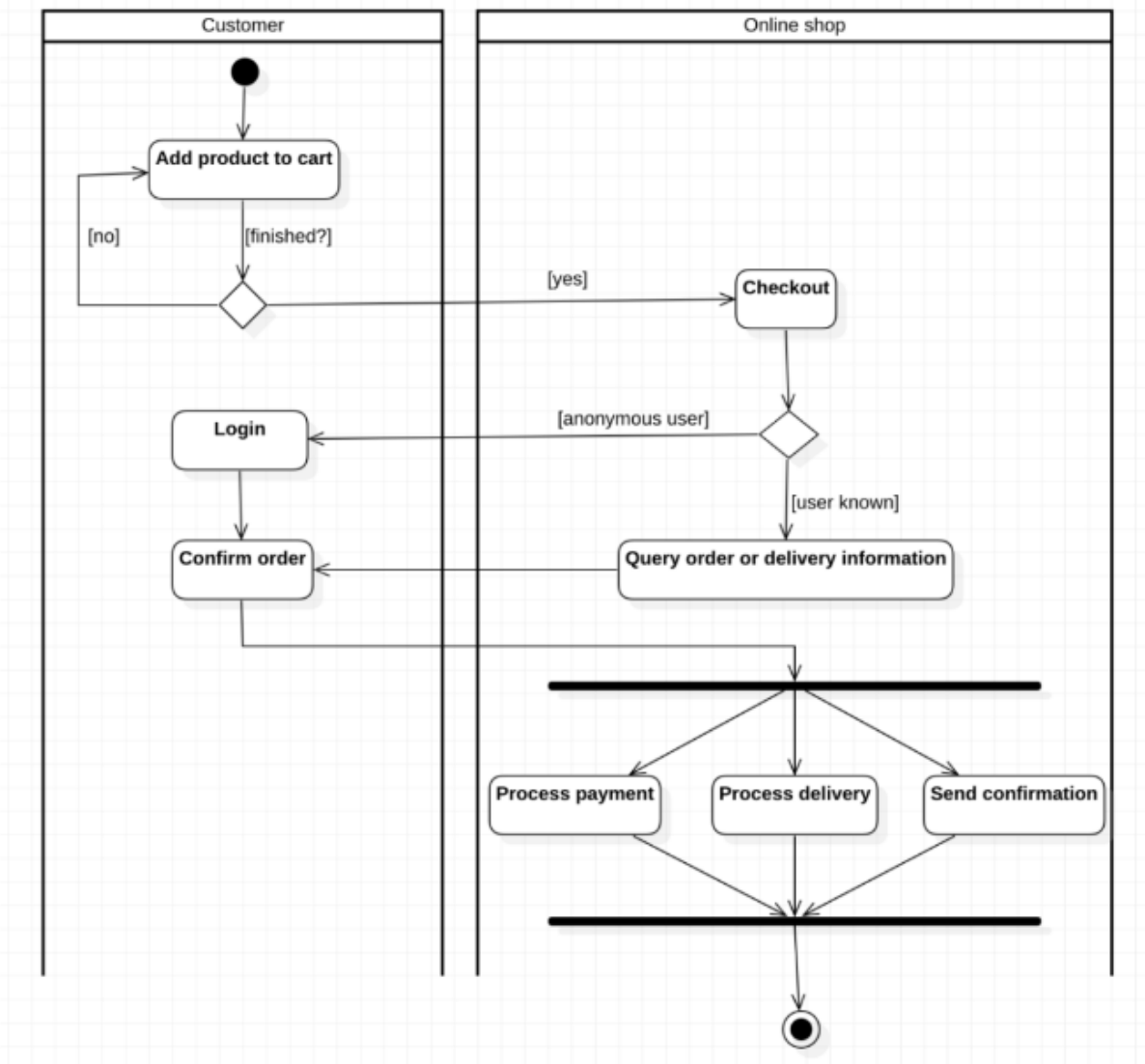




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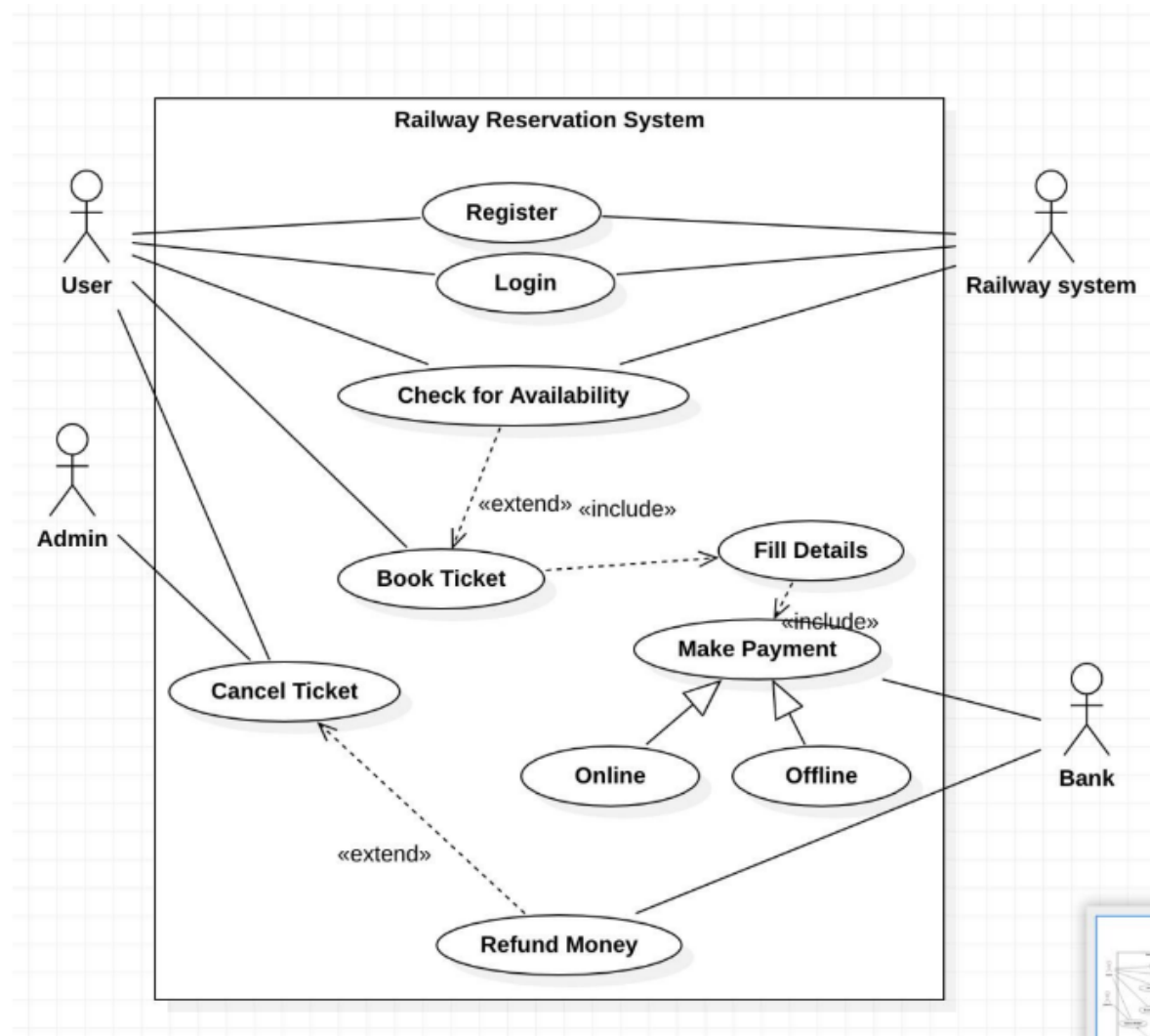


Activity Diagram :

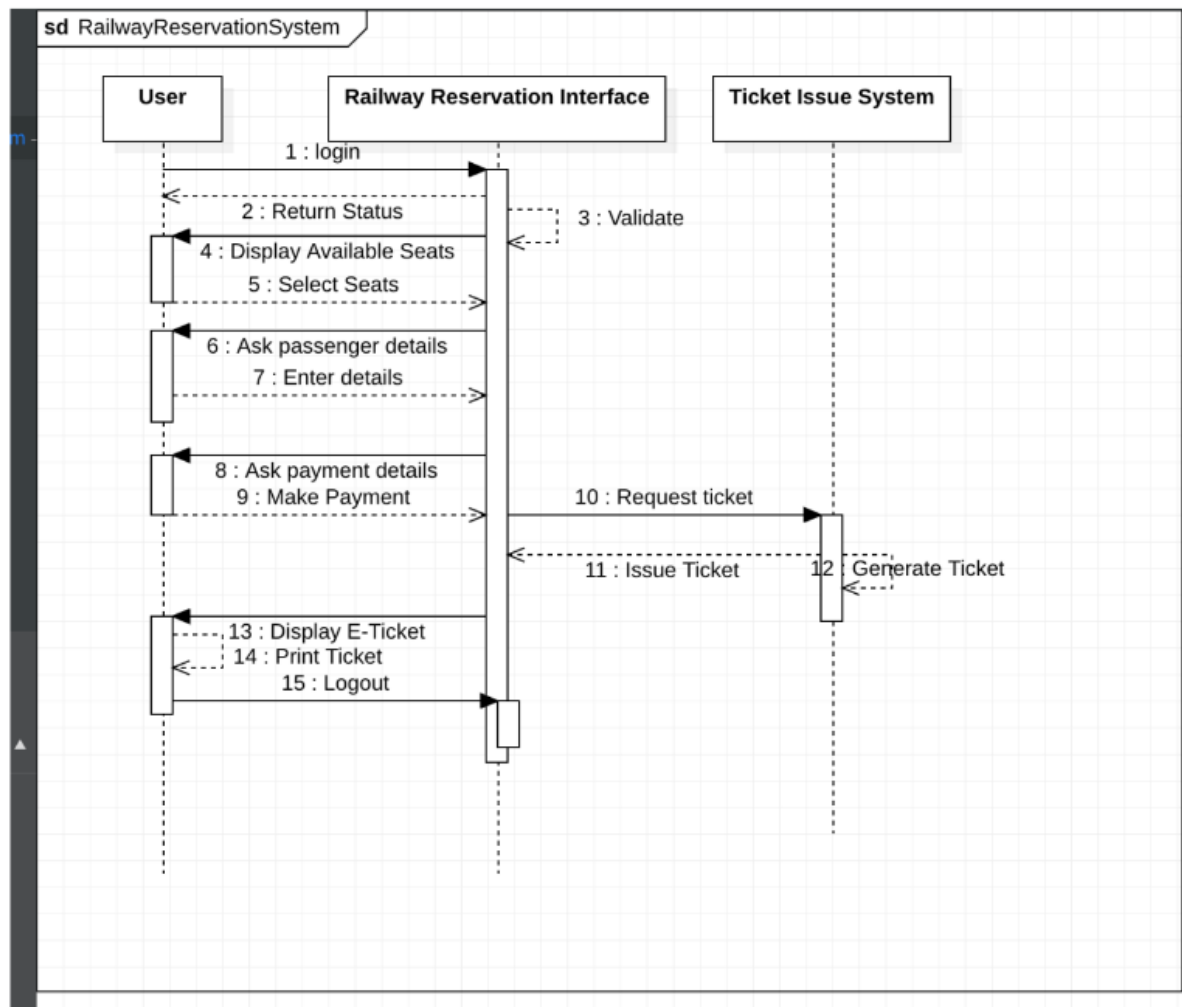


## 6. RAILWAY RESERVATION SYSTEM

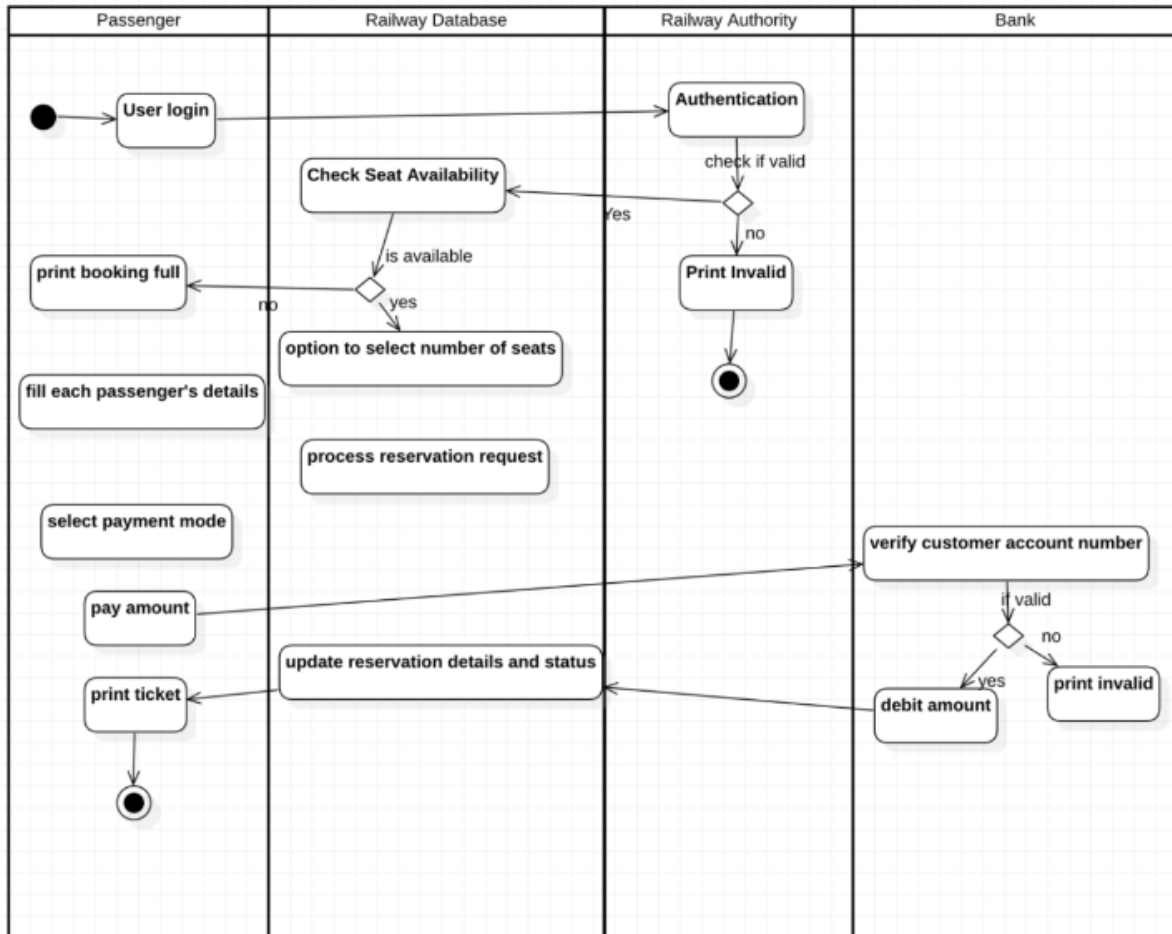
UseCase Diagram :



## Sequence Diagram :

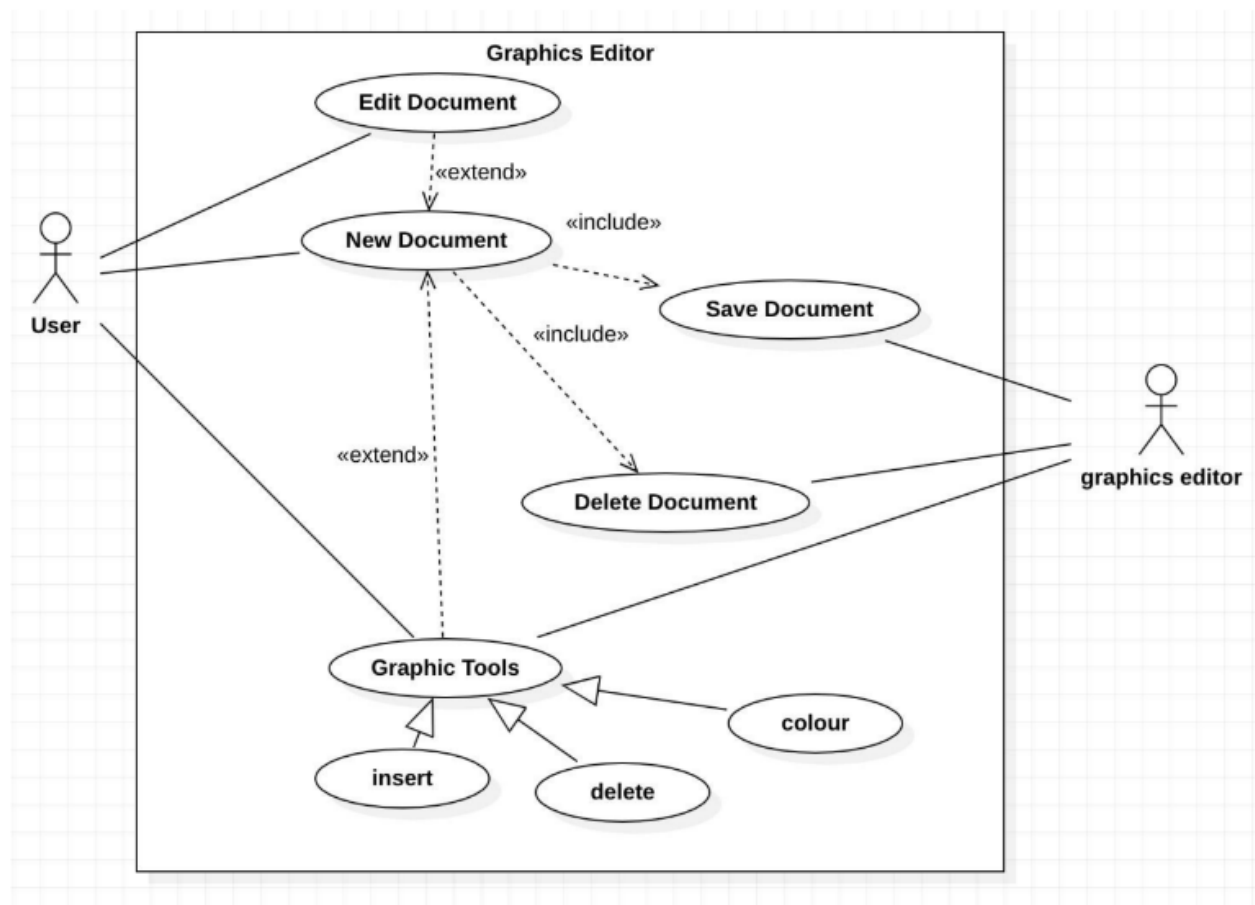


## Activity Diagram :

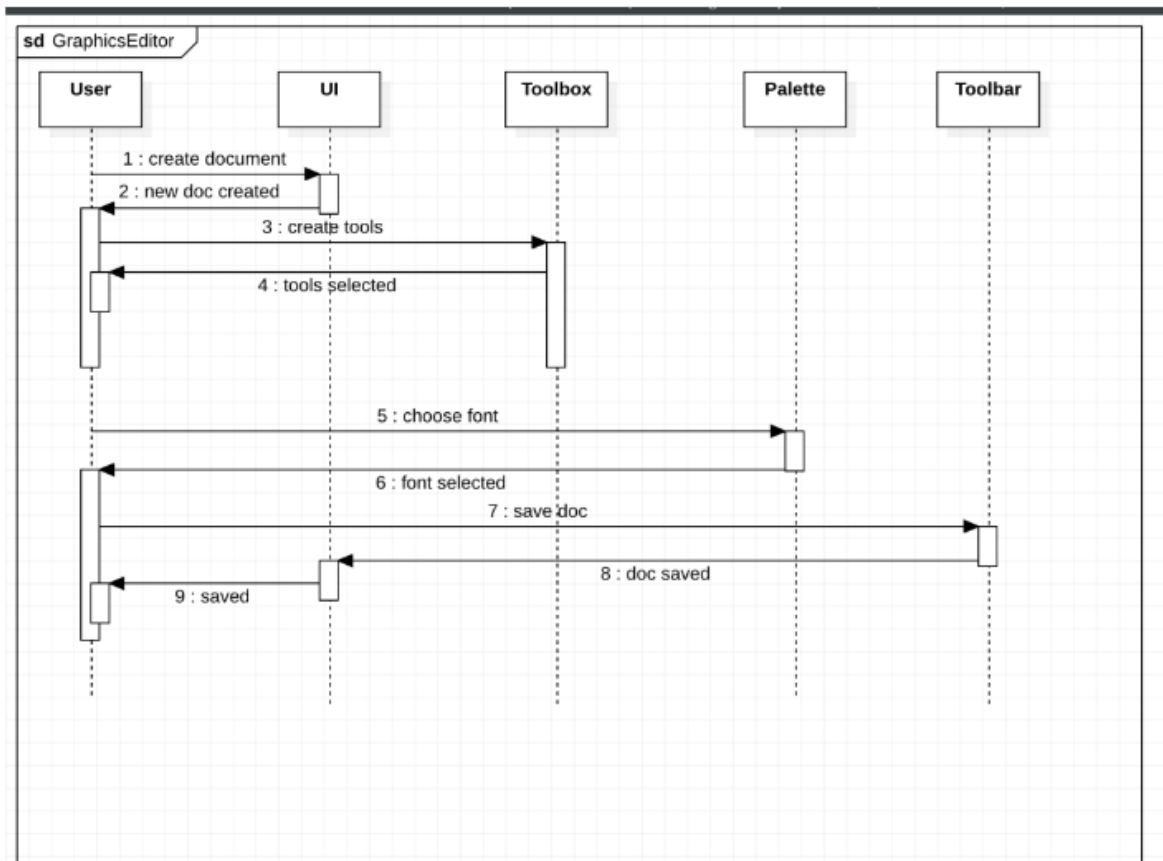


## 7. GRAPHICS EDITOR SYSTEM

UseCase Diagram :



Sequence Diagram :



Activity Diagram :

