

B.M.S. COLLEGE OF ENGINEERING BENGALURU

Autonomous Institute, Affiliated to VTU



Object Oriented Analysis and Design

OOMD LAB WORK(USE CASE DIAGRAMs)

Bachelor of Technology

in

Computer Science and Engineering

Submitted by:

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1BM17CS096

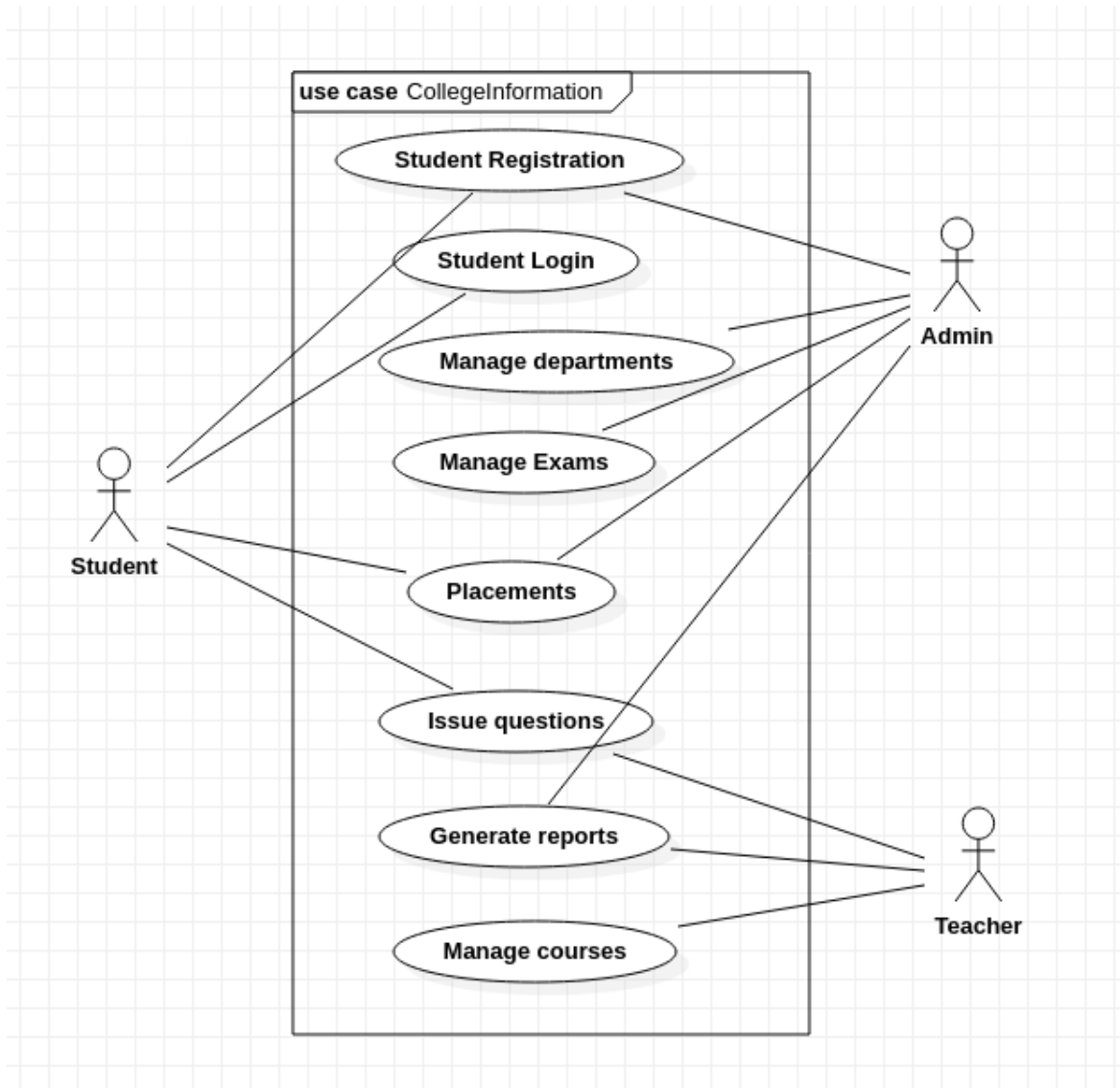
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1. COLLEGE INFORMATION SYSTEM

Simple Use Case Diagram

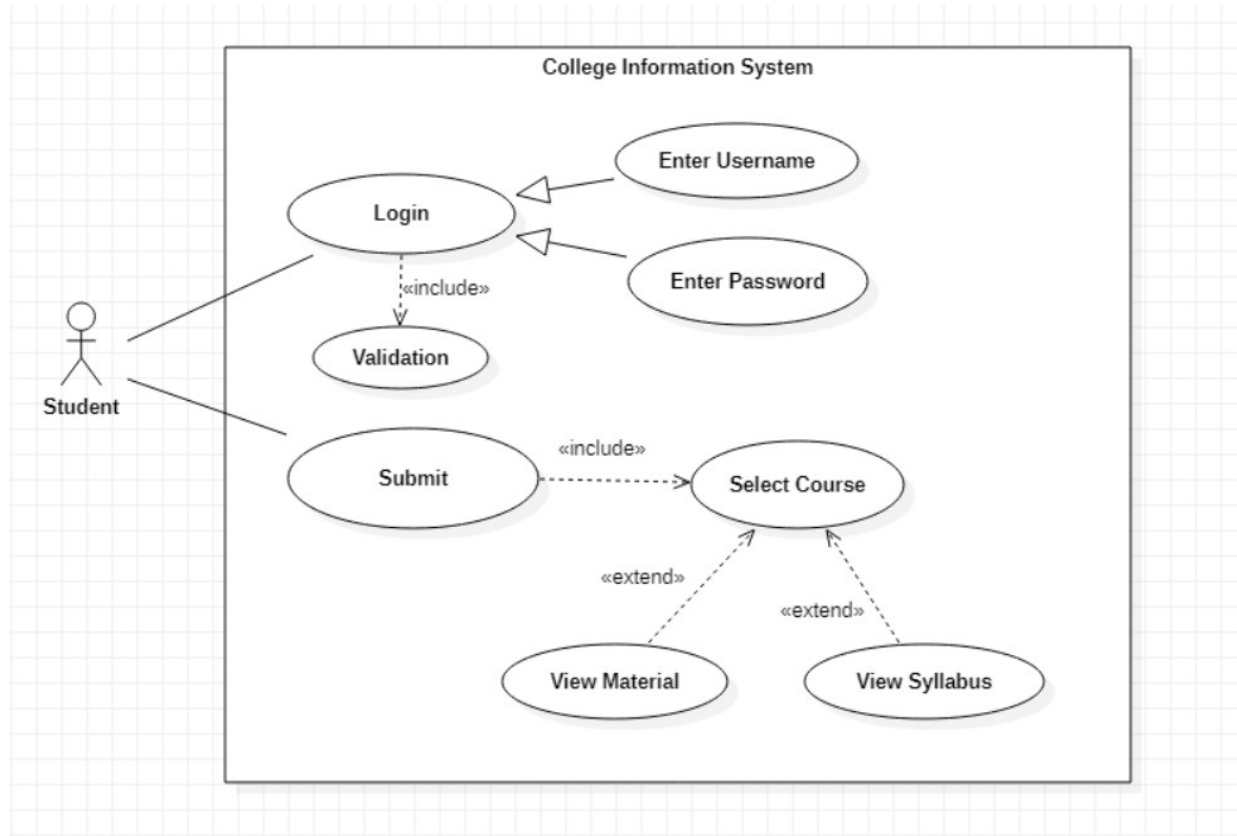


Student can register into the system and can login. Also, student can access placements and view question papers.

Admin manages the departments, handles placements and also student registration and generates exam results of students.

Teacher issues question papers and manages courses.

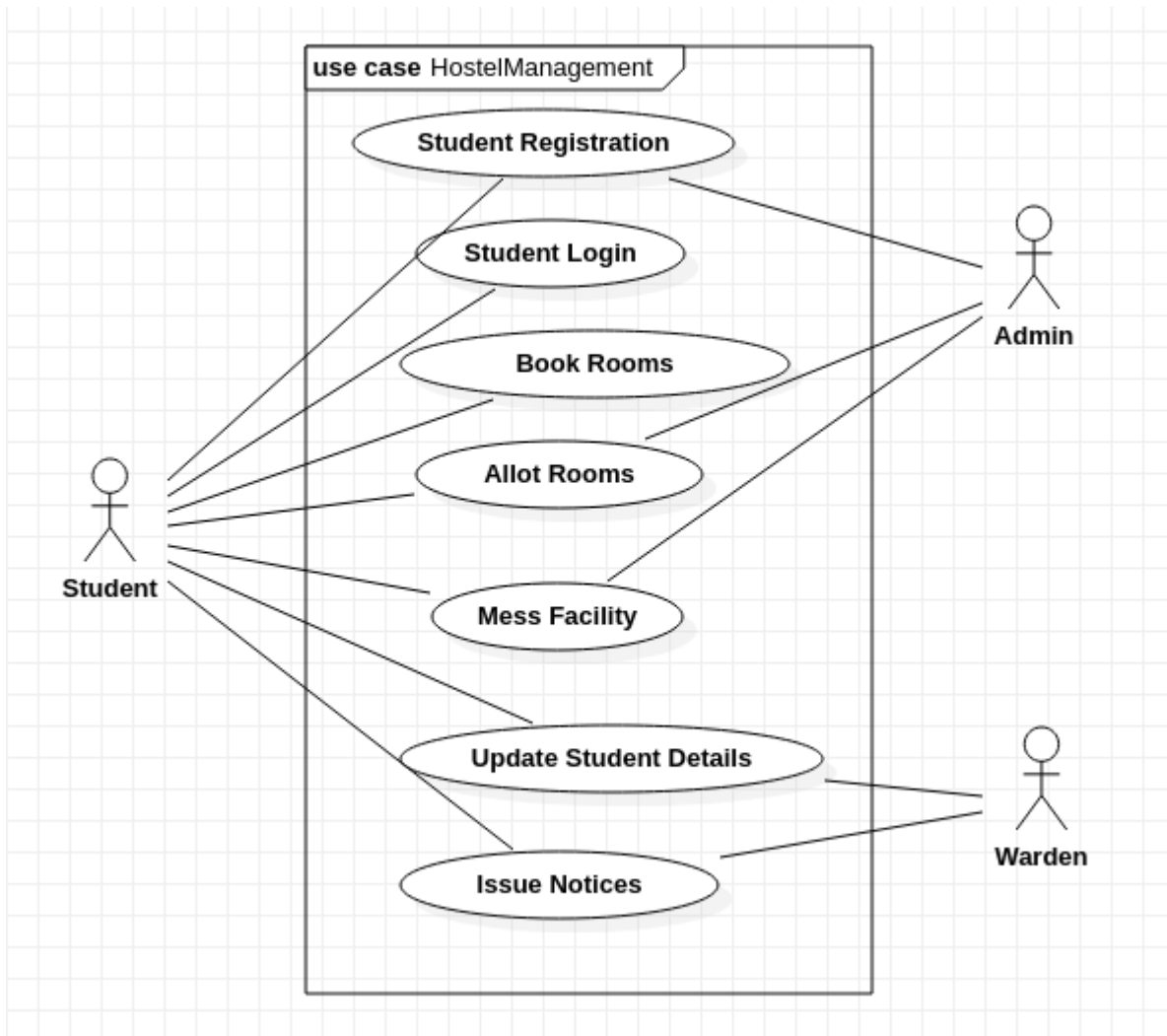
Advance Use Case Diagram



Student can login by entering password which will be validated .
And then can select a course ,view its material and view his/her syllabus

2. HOSTEL MANAGEMENT SYSTEM

Simple Use Case

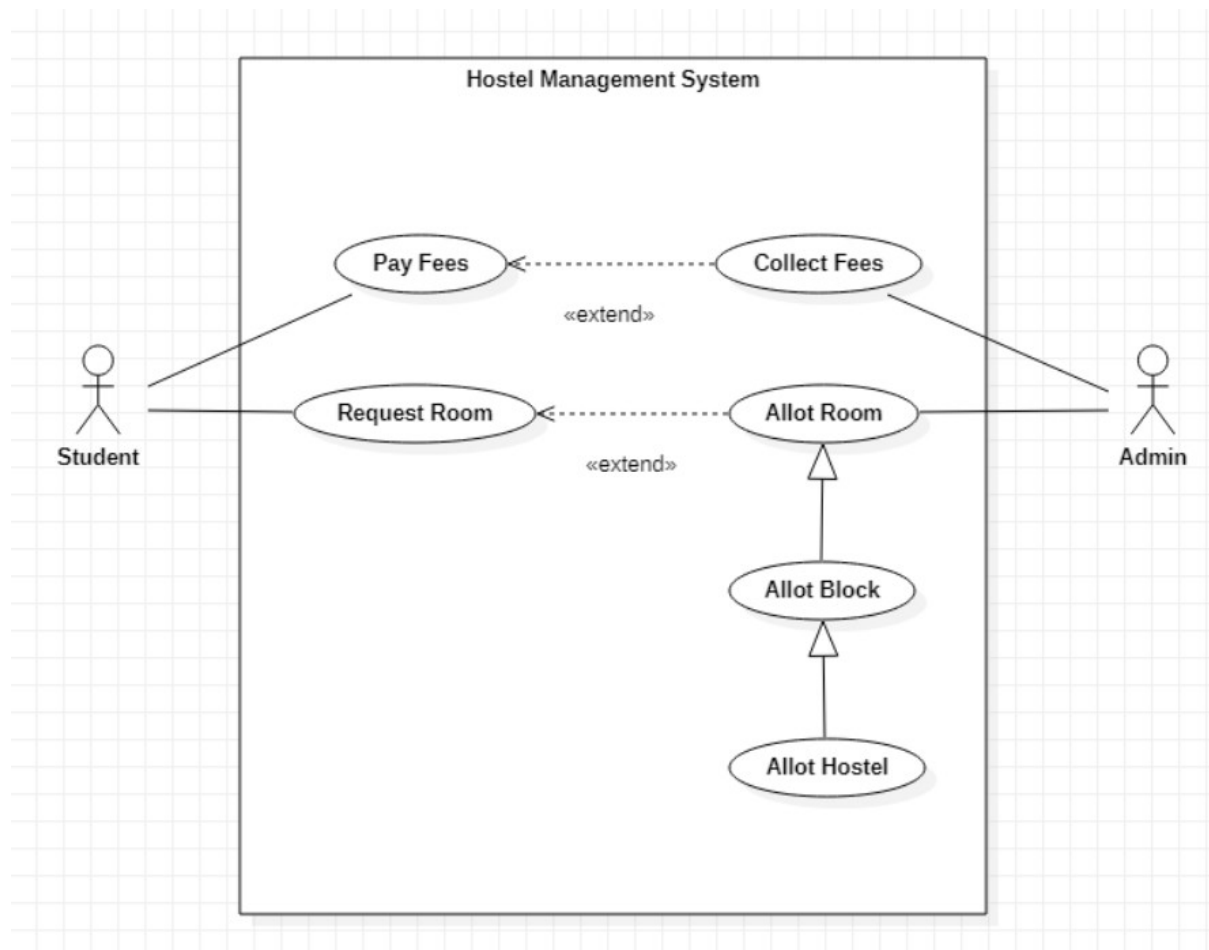


Student can register and login into the system. He can book rooms, get allotted , access mess facility, update its personal details and read notices.

Warden can update student details and issue notices.

Admin can manage student registration and handle mess functionalities and also allot rooms to the students.

Advance Use Case

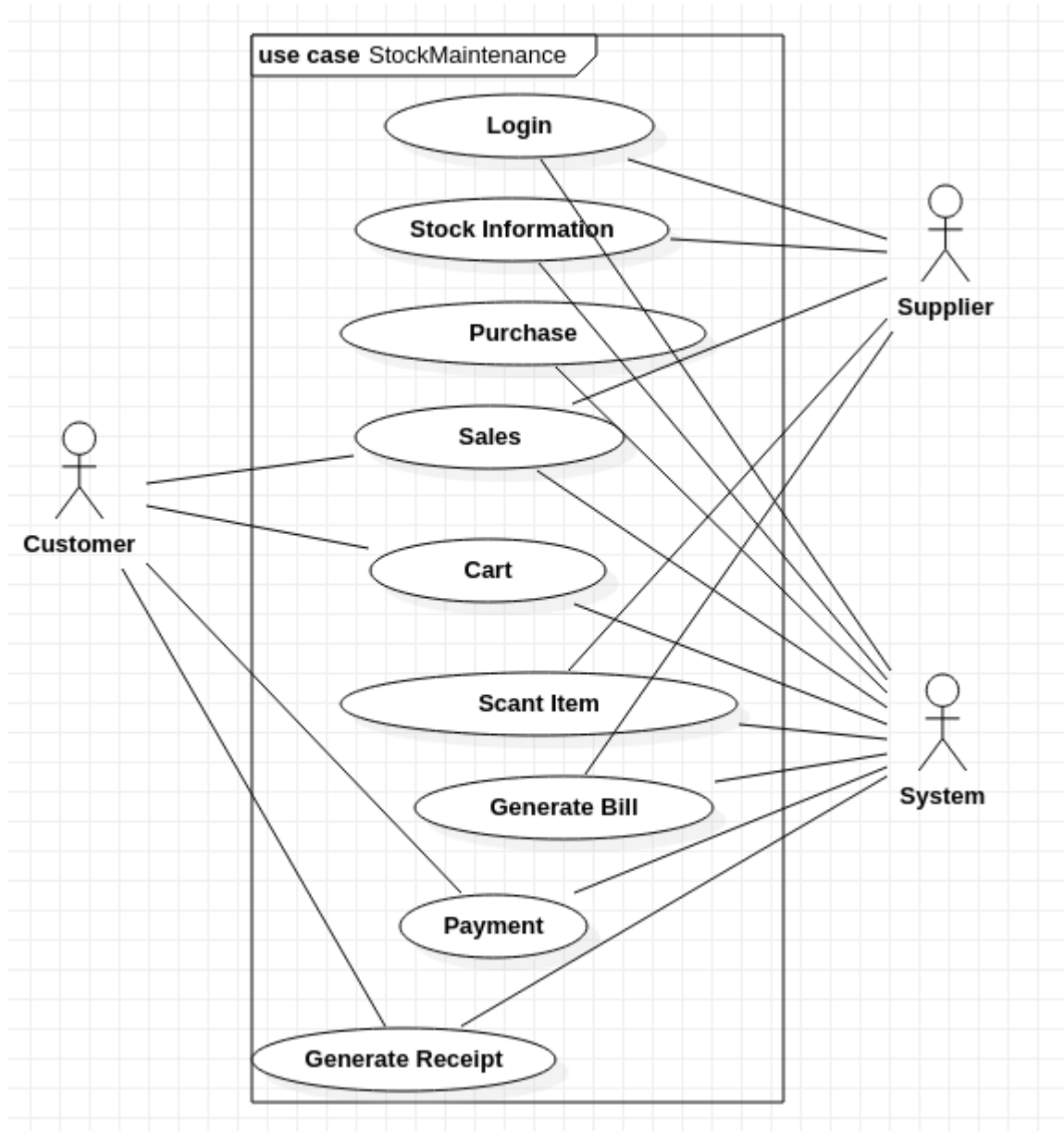


STUDENT : requests for the room and can pay the fees

ADMIN : allots the requested room for the student and collects the fees ,admin also can allot the block

3. STOCK MAINTENANCE SYSTEM

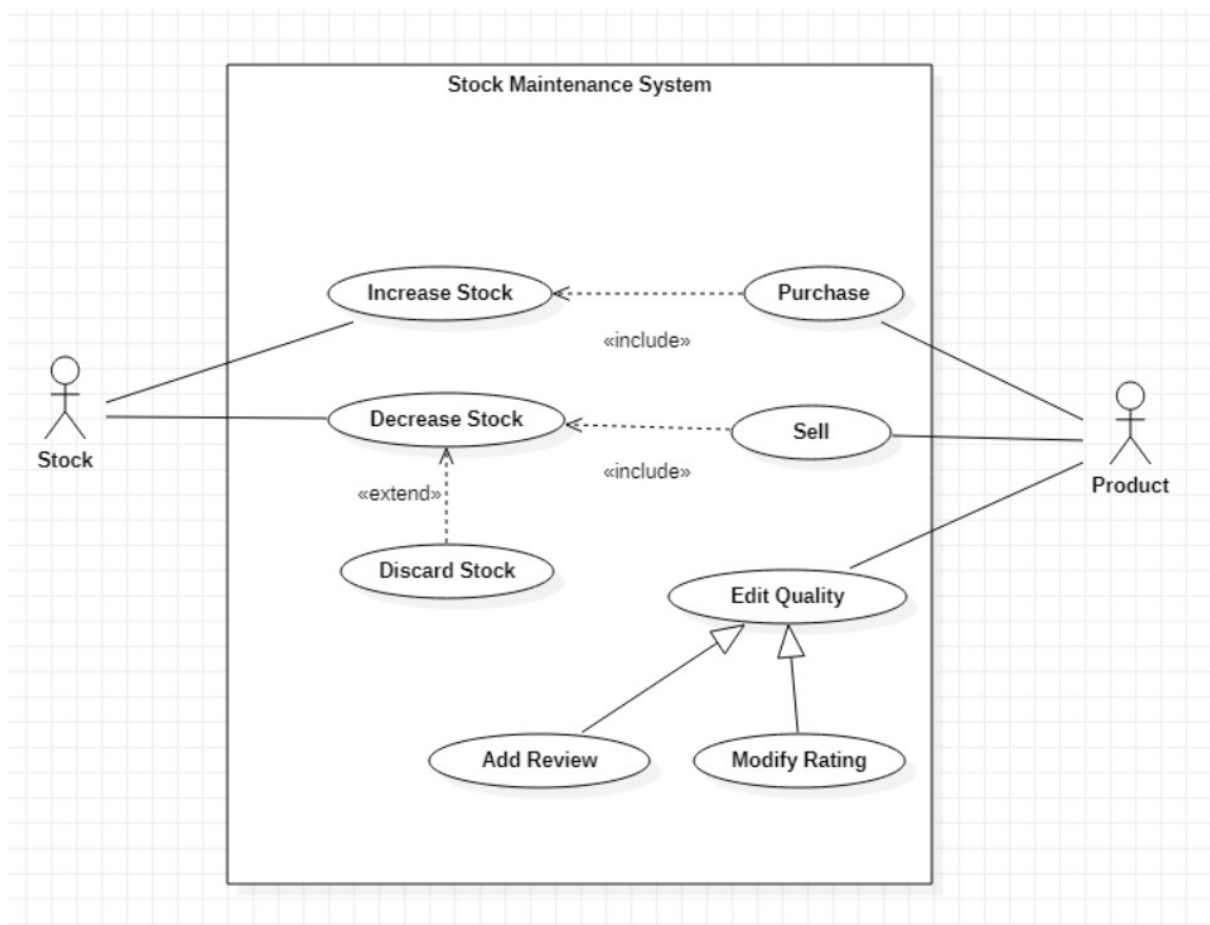
Simple Use Case



Customer can access cart and previous orders, purchase and get a receipt coordinating with supplier and system.

Supplier and System can access all information about sales and stocks of various items and help in the process of purchasing.

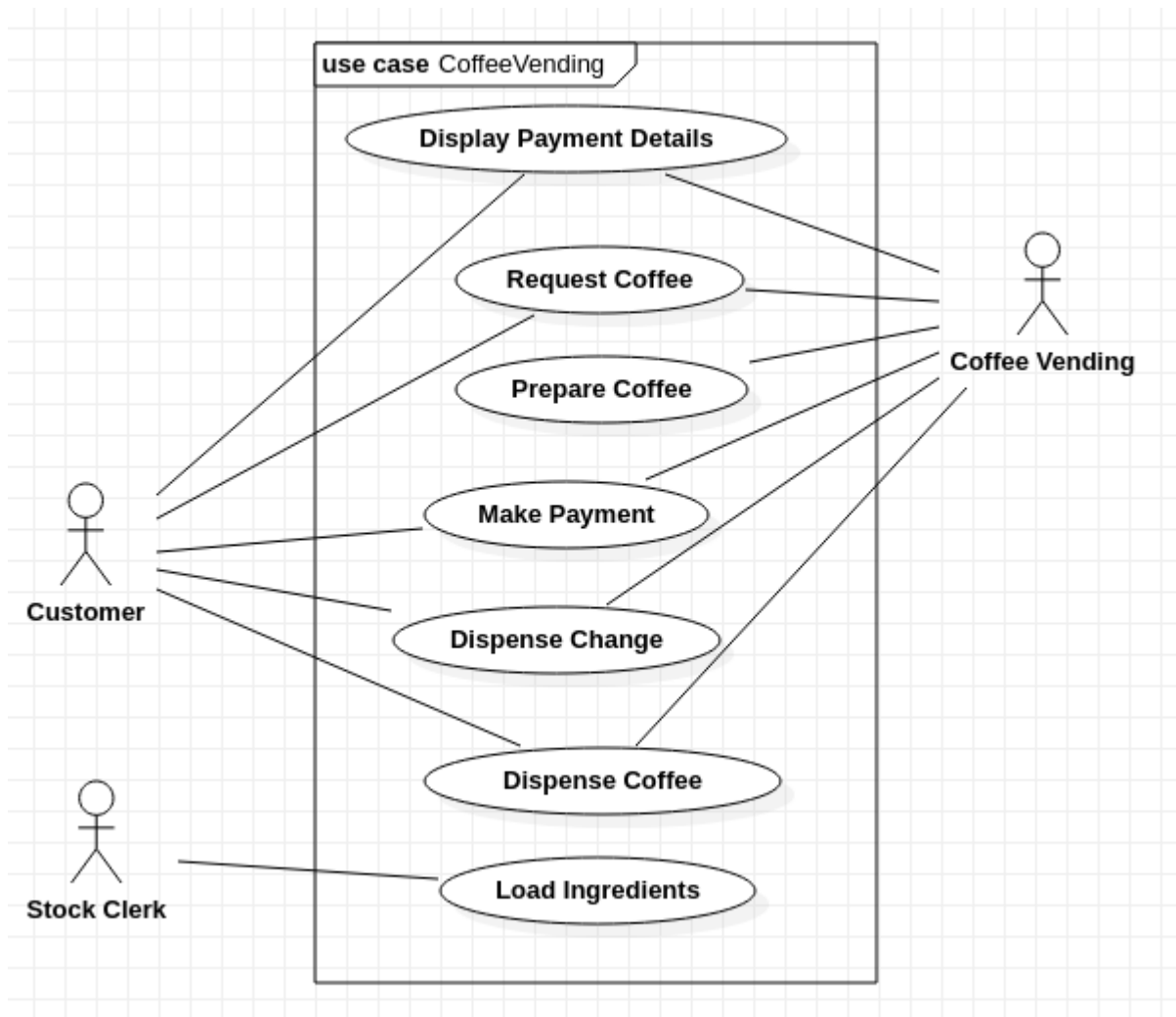
Advance Use Case



Product purchased by a customer increases the stock while selling decreases the stock to edit the quality of the product , add review and modify its rating .

4. COFFEE VENDING MACHINE

Simple Use Case

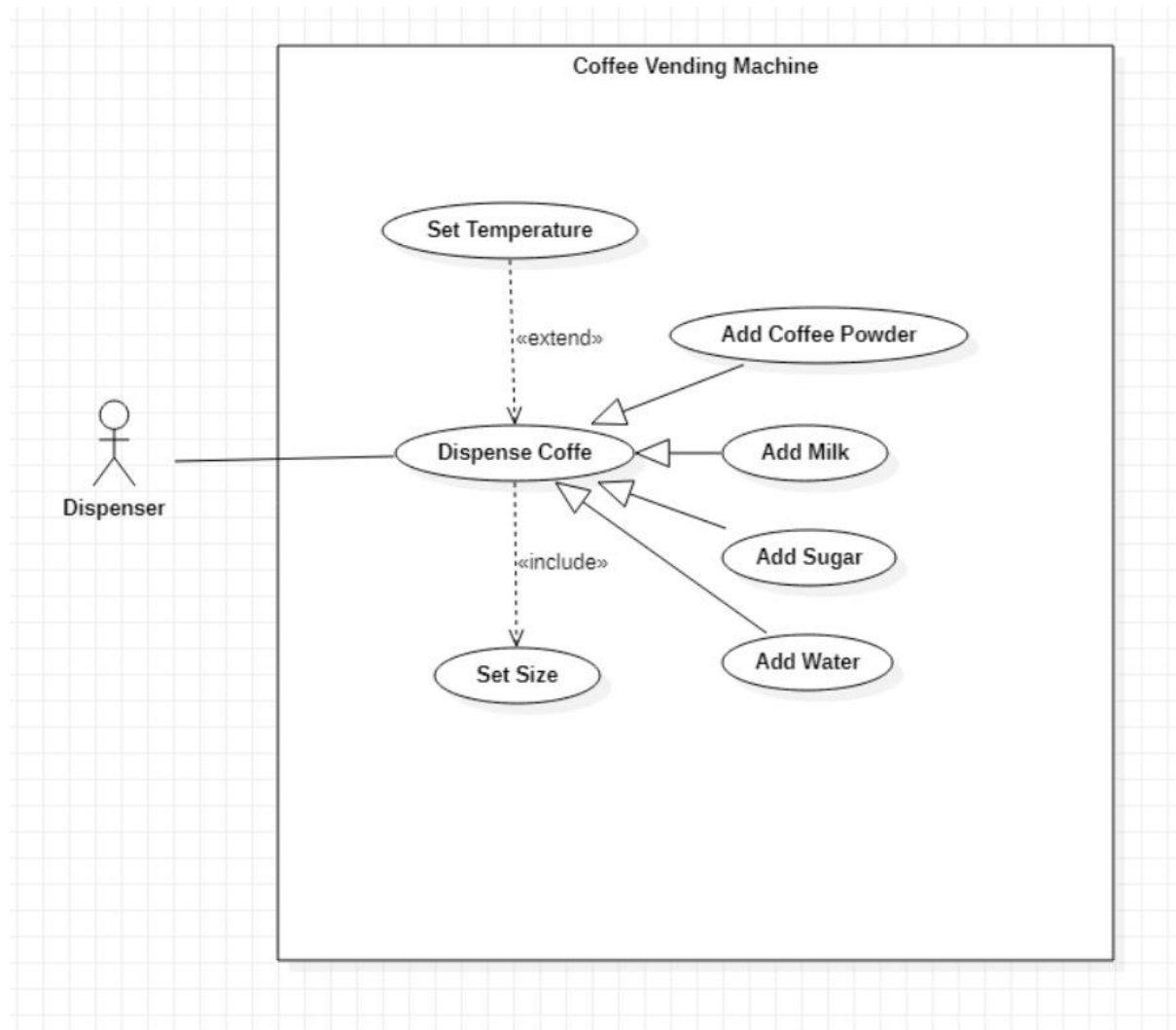


Customer can access the menu, request for a coffee and collect the coffee after it has been prepared.

Stock Clerk loads the ingredients required to prepare the coffee.

Coffee Vending Machine displays menu,request what coffee to be prepared, prepares the coffee and returns change and coffee.

Advance Use Case

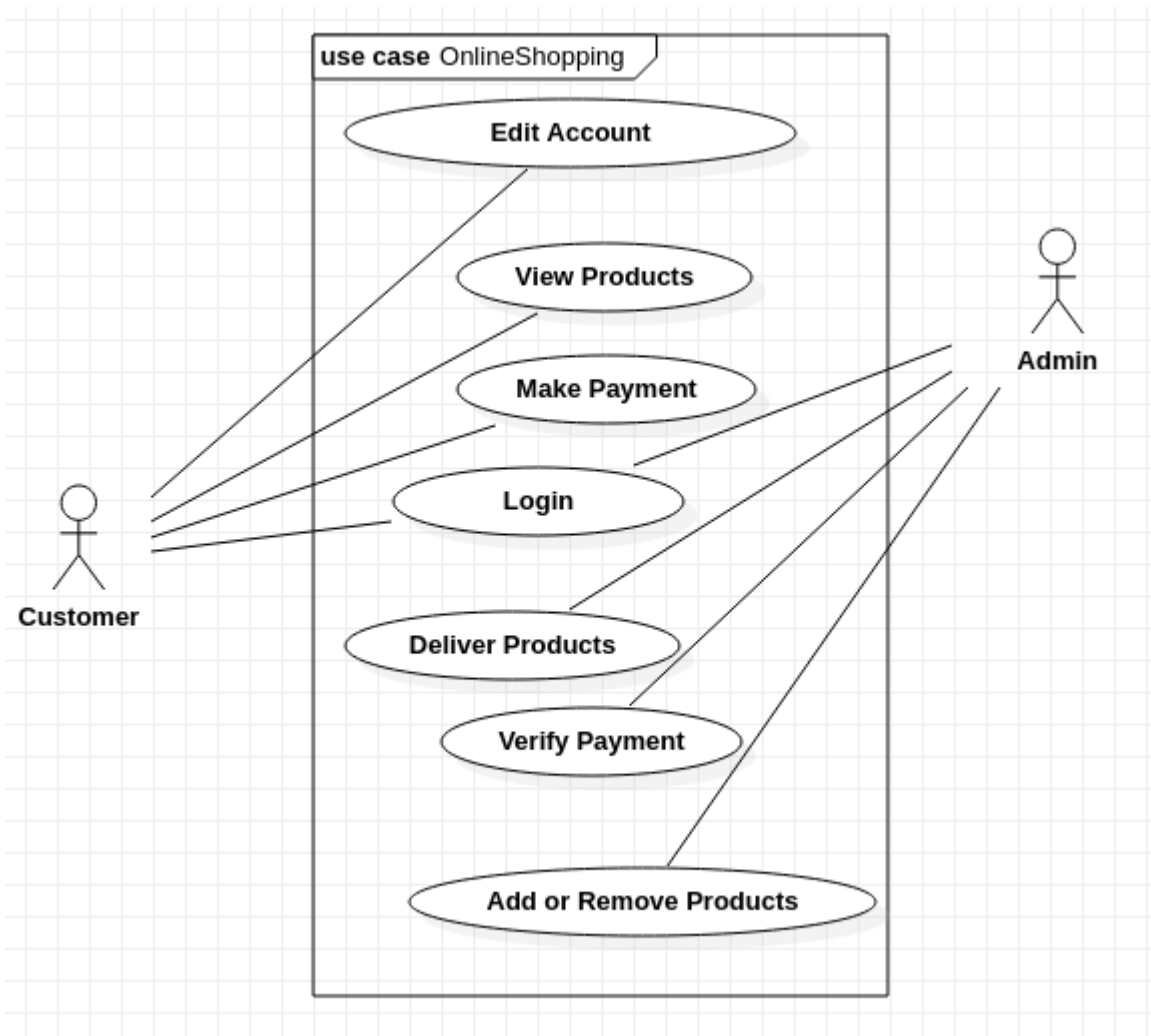


Dispenser: dispenses coffee by selecting the size and setting the required temperature.

It adds coffee powder, milk sugar and other necessary ingredients and dispenses the coffee.

5. ONLINE SHOPPING SYSTEM

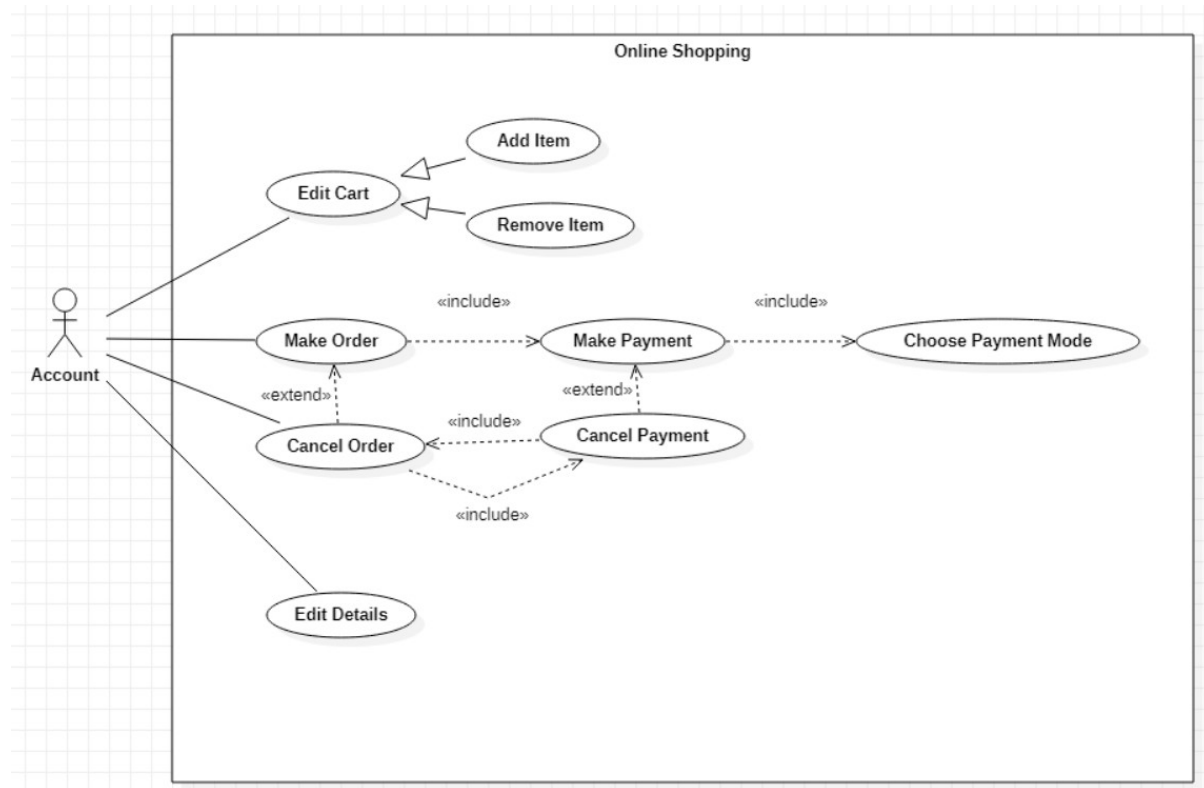
Simple Use Case



Customer can edit his account, view products, make payments and as well login to his account.

Admin has a login functionality, delivery product, can verify payment and he can remove or add product.

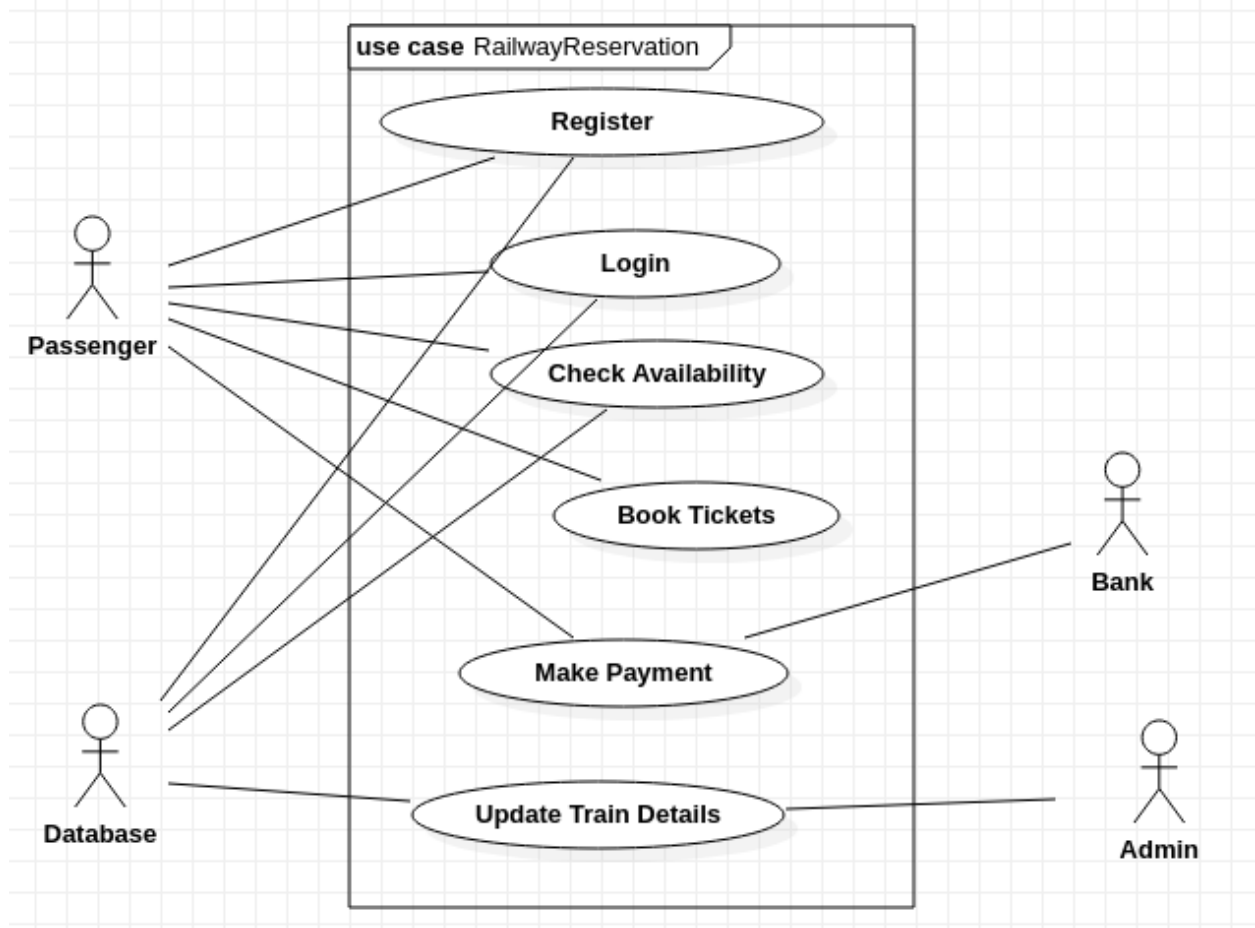
Advance Use Case



User can enter any online shopping websites through login or sign up, search items by filtering them, purchase products by adding them to cart and paying for them.

6. RAILWAY RESERVATION SYSTEM

Simple Use Case



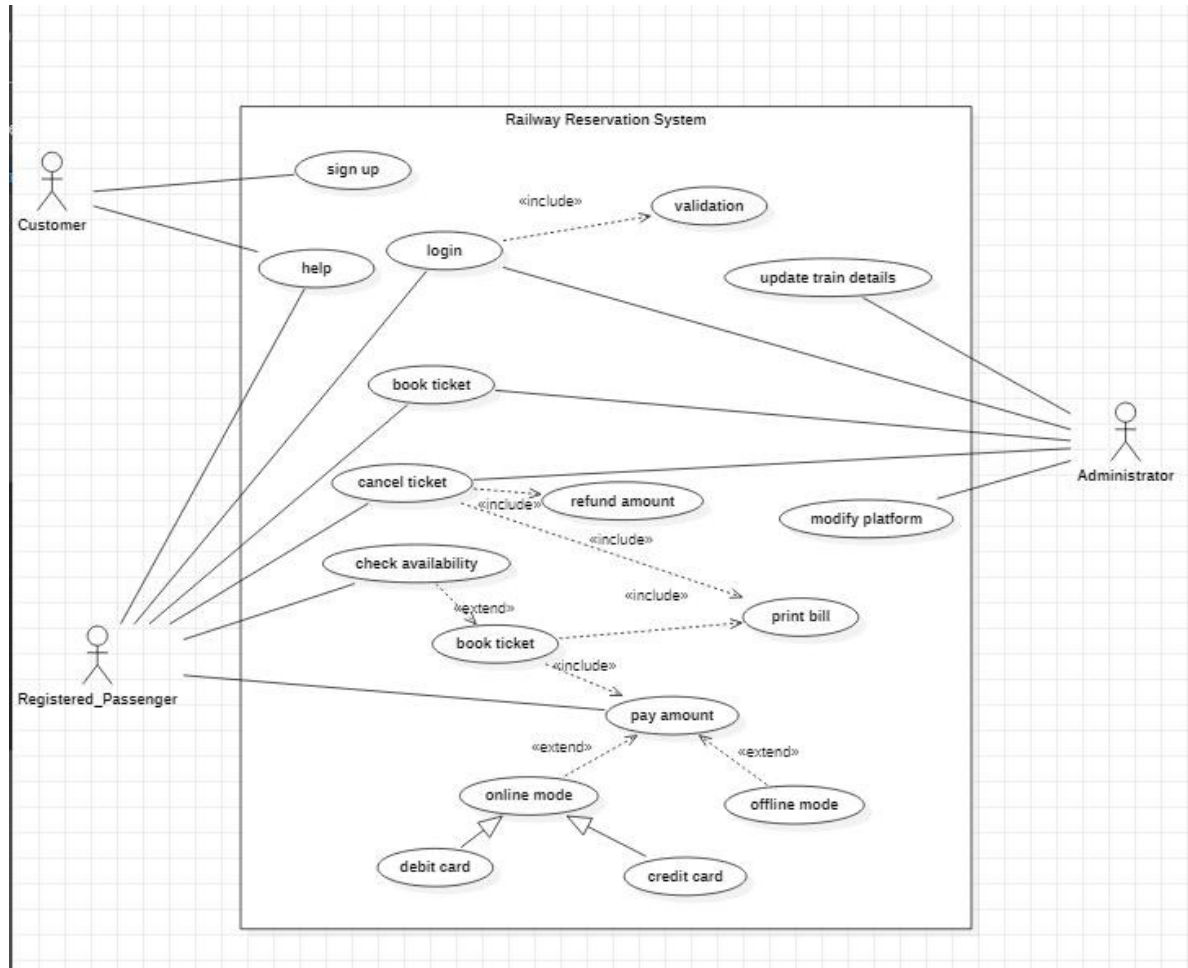
Passenger has functionalities to register, login, check availability, book tickets and to make payment.

Database stores the data of all functionalities of the reservation system.

Bank communicates with passenger to make his transaction of ticket possible.

Admin updates train details.

Advance Use Case

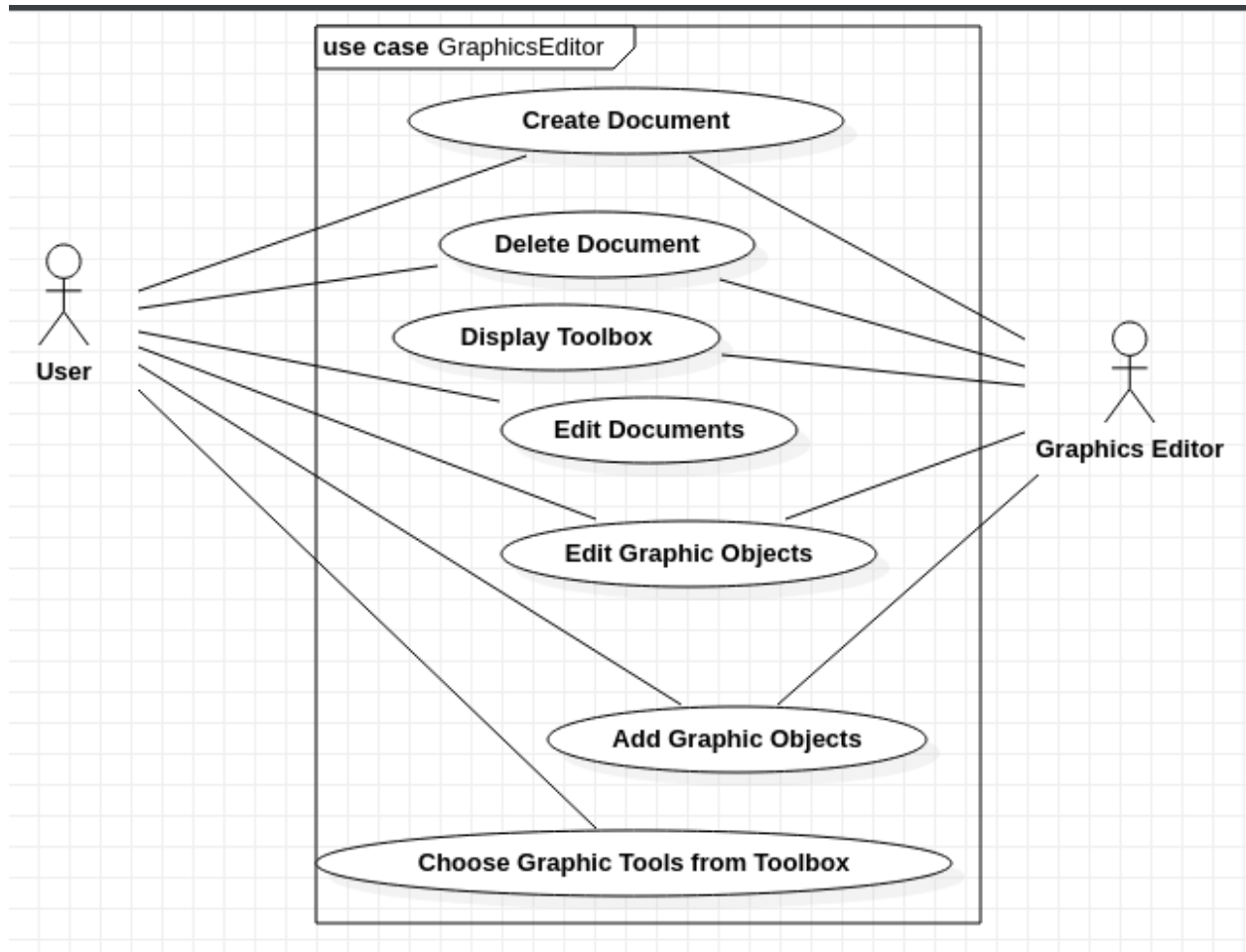


Passenger can login or sign up, can book a ticket after checking for the seat availability, can make payment using offline or online mode.

Admin updates the details which includes the timings of trains or whether a train is available or not, and on which platform train is going to arrive etc.

7. GRAPHICS EDITOR

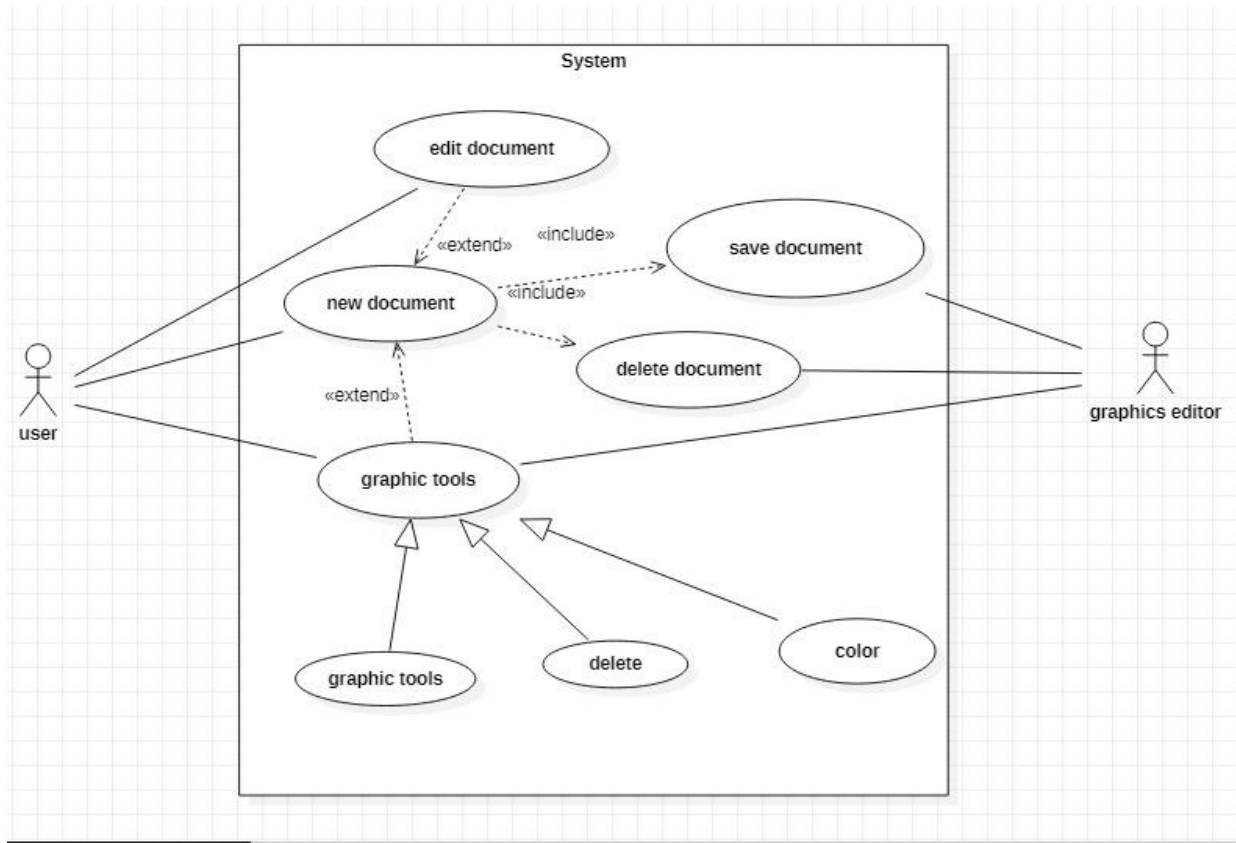
Simple Use Case



User has the features to create,edit,delete the document. User can draw objects and edit them if necessary, he has the ability to choose graphic tool from the tool box.

Graphic system provides functionalities to the user, It provides the ability to create delete edit the document. It provides display of tool box, allows user to edit graphic objects, add them.

Advance Use Case



User has the ability to create a new document or edit the existing document. User is provided with the graphic tool which allows user to insert, delete and colour the graphic objects. The user is provided with functionality to save his document and delete his existing document

The admin has a login functionality, delivery product which includes additional features which will provide the tracking Id and Delivery Logistics details ,can verify payment which includes additional feature where the message is sent after payment regarding the payment details and he can remove or add product.