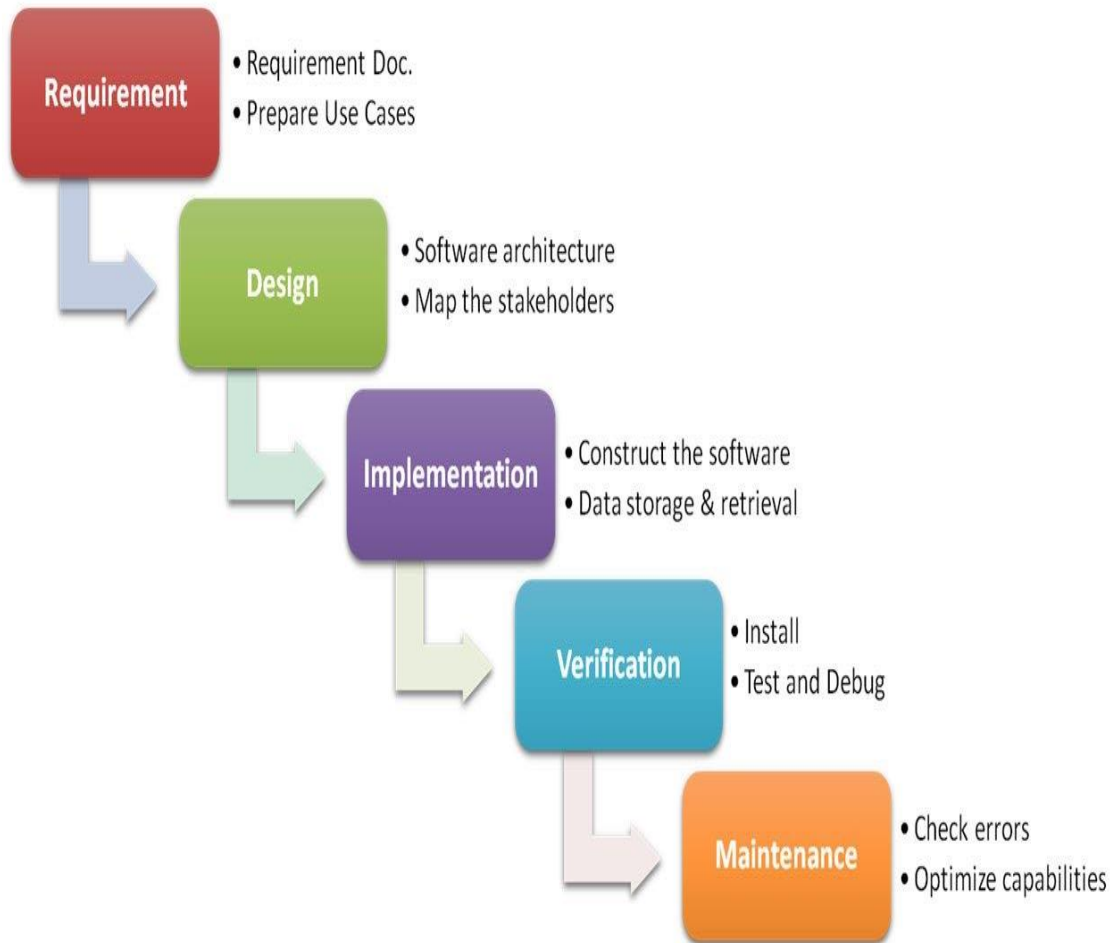




LIBRARY MANAGEMENT SYSTEM

- Welcome to the Library Management System, A library management system is a comprehensive software solution designed to facilitate and automate the management of library resources, including books, journals, multimedia, and other materials. Our system is designed to streamline library operations, providing a user-friendly interface for cataloging, borrowing, and managing resources. Let's embark on a journey of seamless library administration.



ThePhoto by PhotoAuthor is licensed under CCYYSA.

- **We use the waterfall model because:**
- **This model is used only when the requirements are very**
- **well known, clear and fixed.**
- **Product definition is stable.**
- **Technology is understood.**
- **There are no ambiguous requirements**
- **Ample resources with required expertise are available freely**
- **The project is short.**

Functional requirement:

1:A user should be able to check out a book and return it in due time

2:A user should be able to reserve a book for checkout.

3:The library staff should be able to add new books to the inventory.

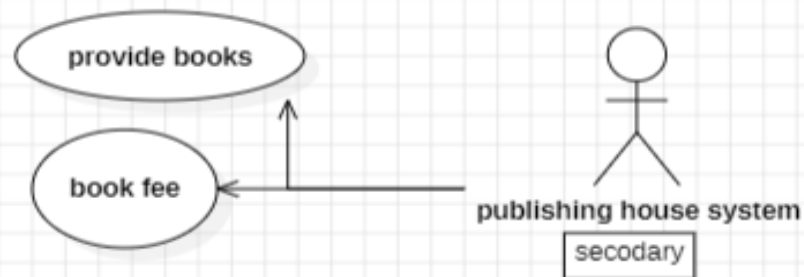
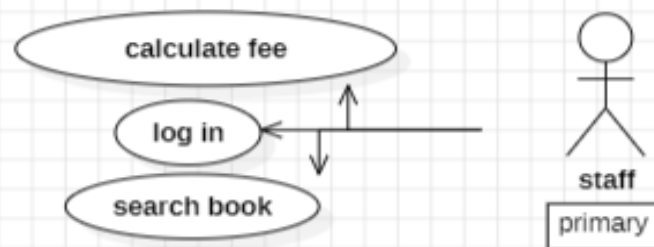
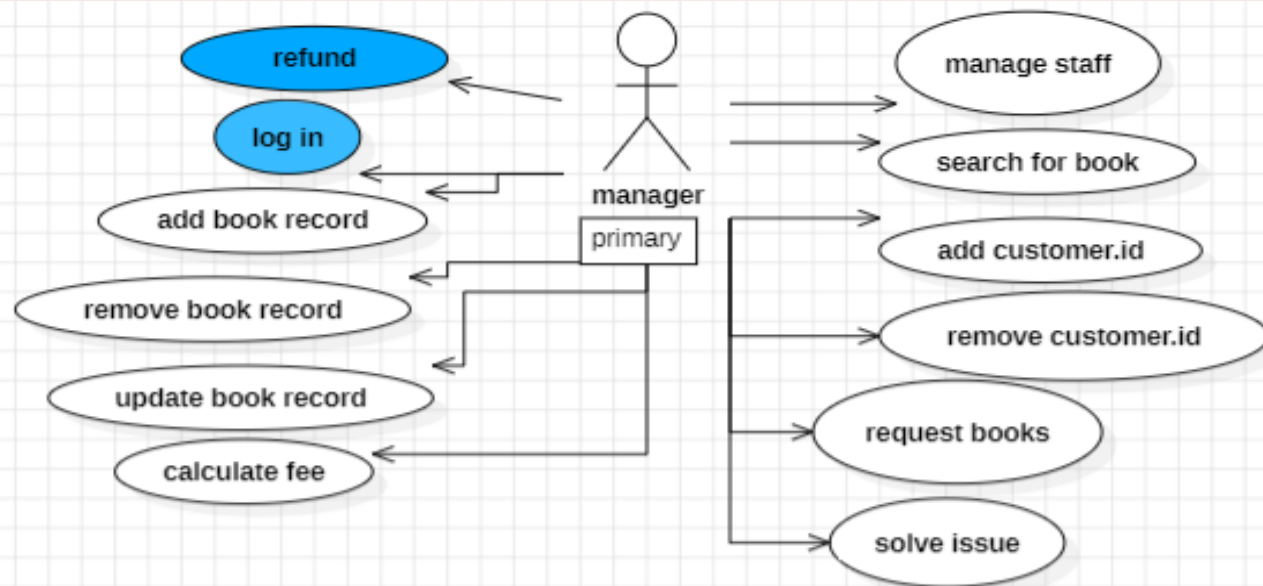
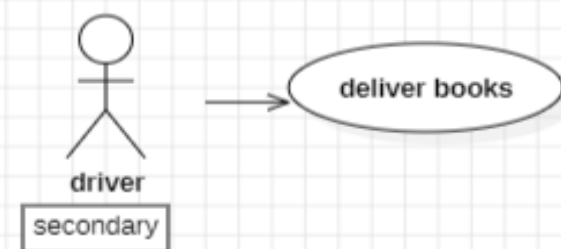
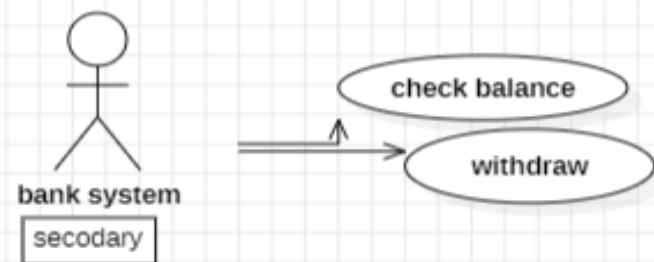
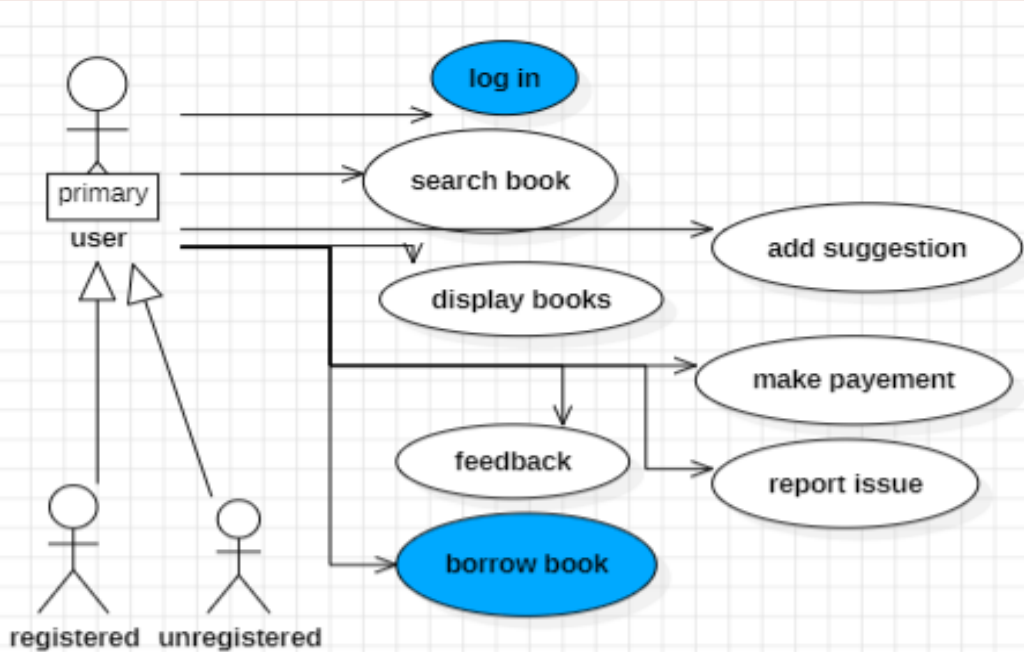
4:The library staff should be able to generate reports about the library inventory.

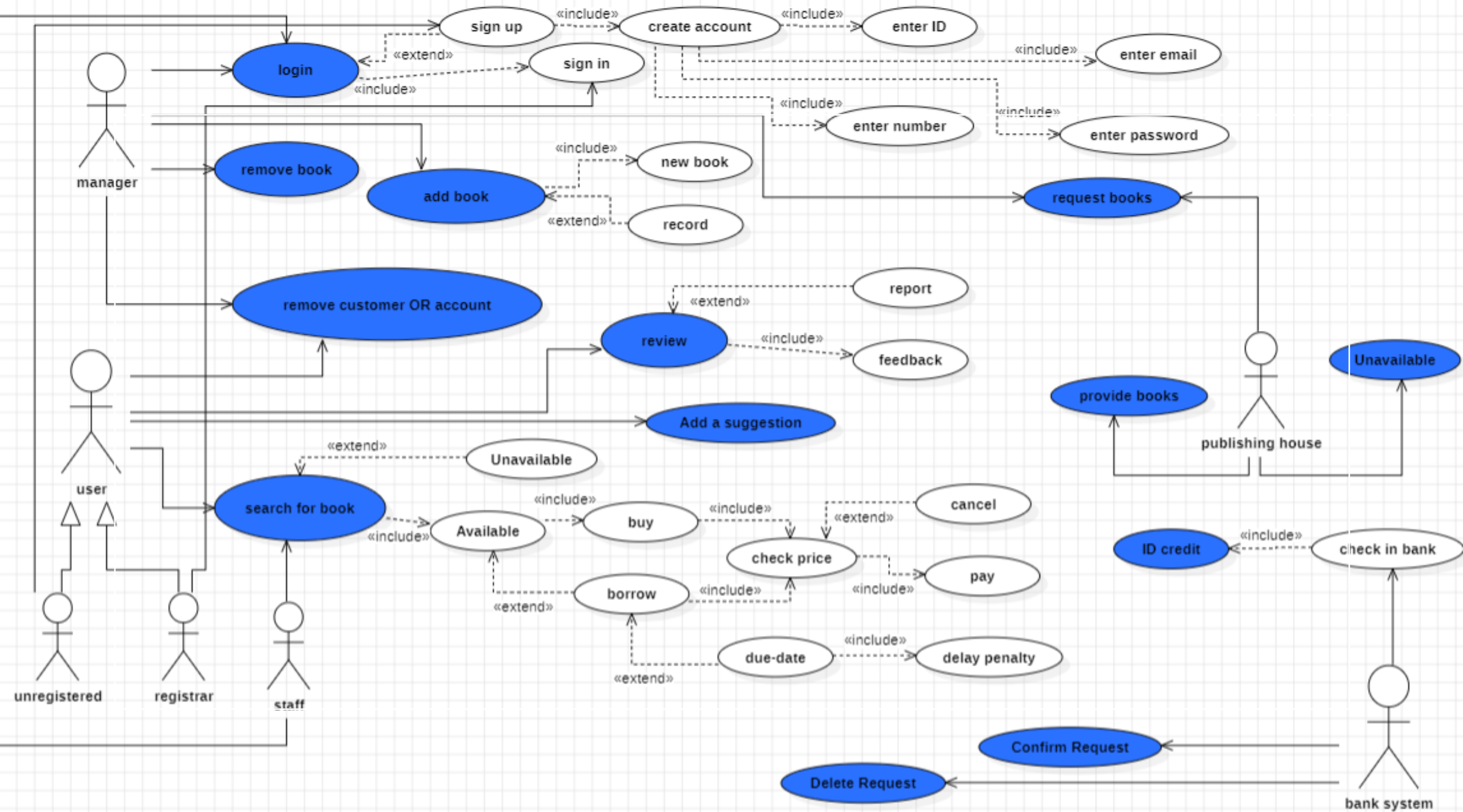
None functional requirement:

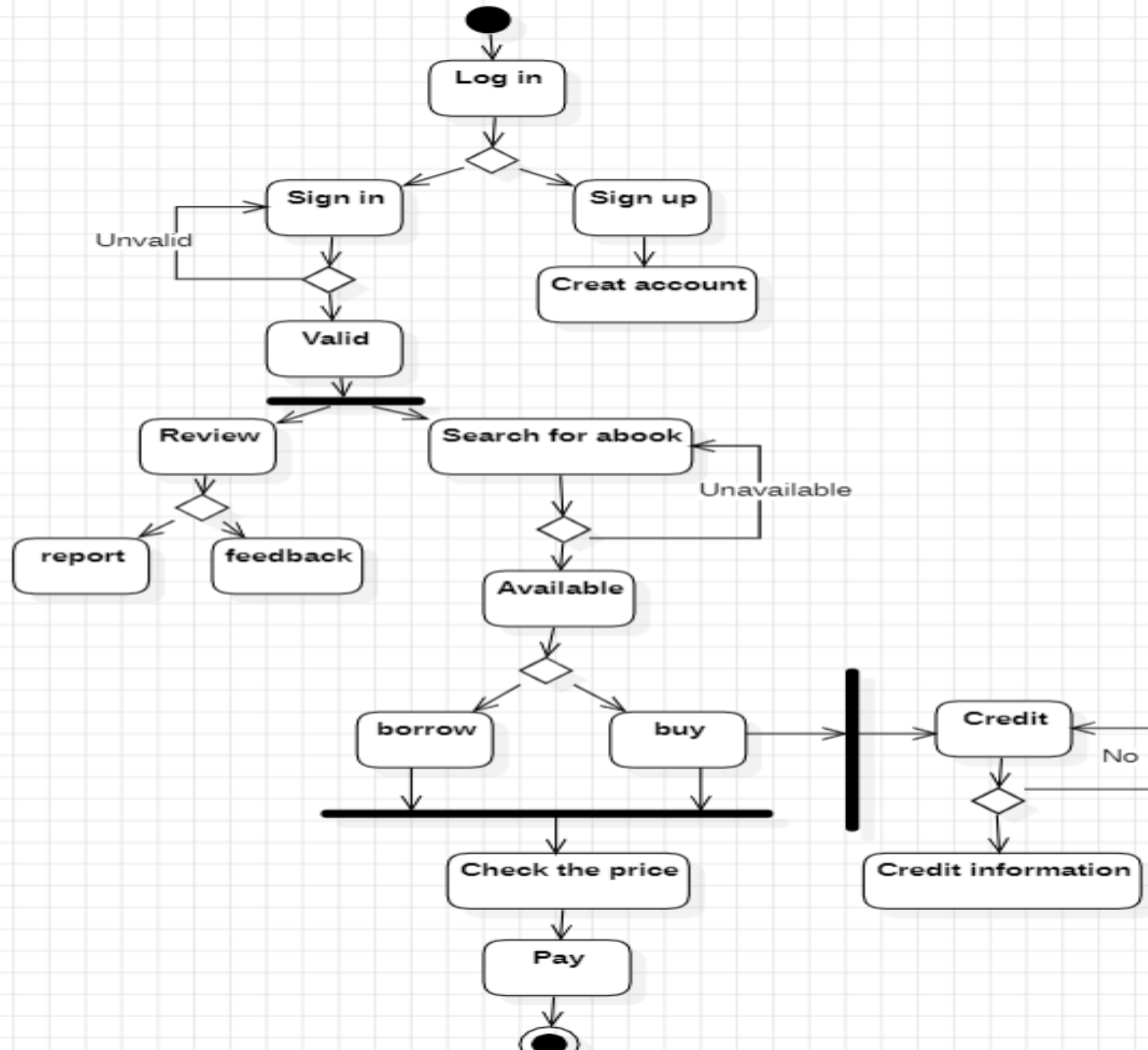
1: Appearance: simple look and good feel to use

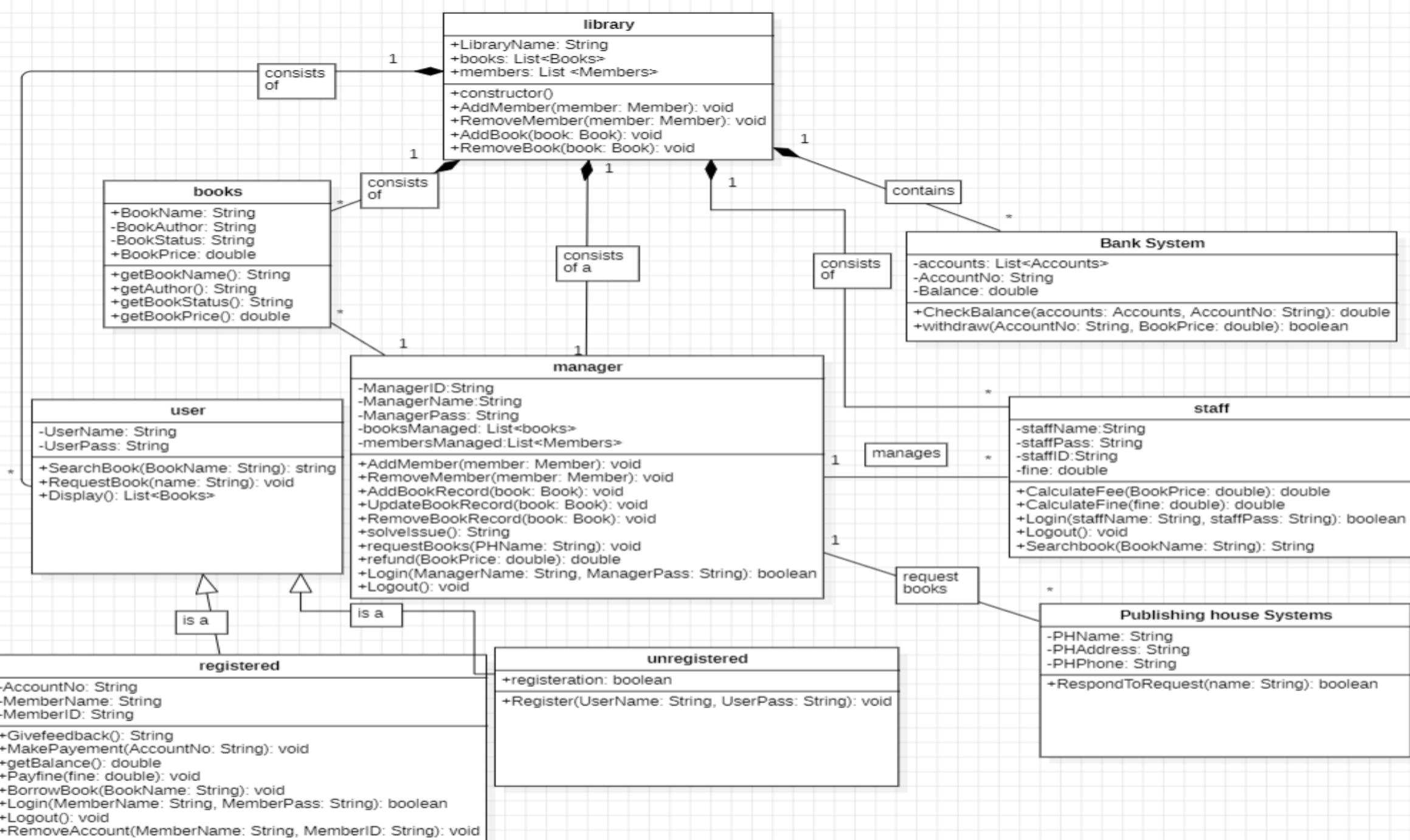
2:Availability:the system must be available 100% for the users

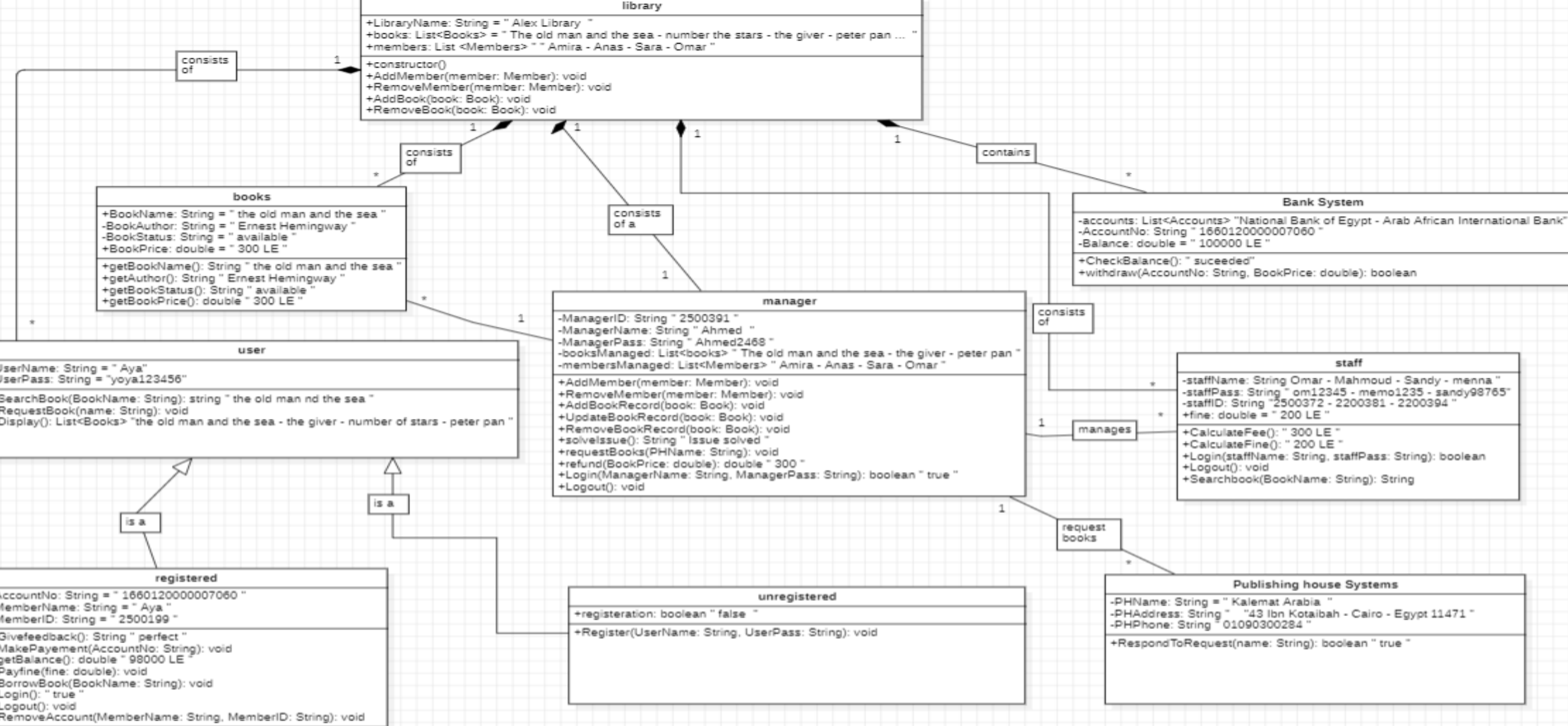
3: Reliability requirement: the system has to be 100% reliable due the important of data

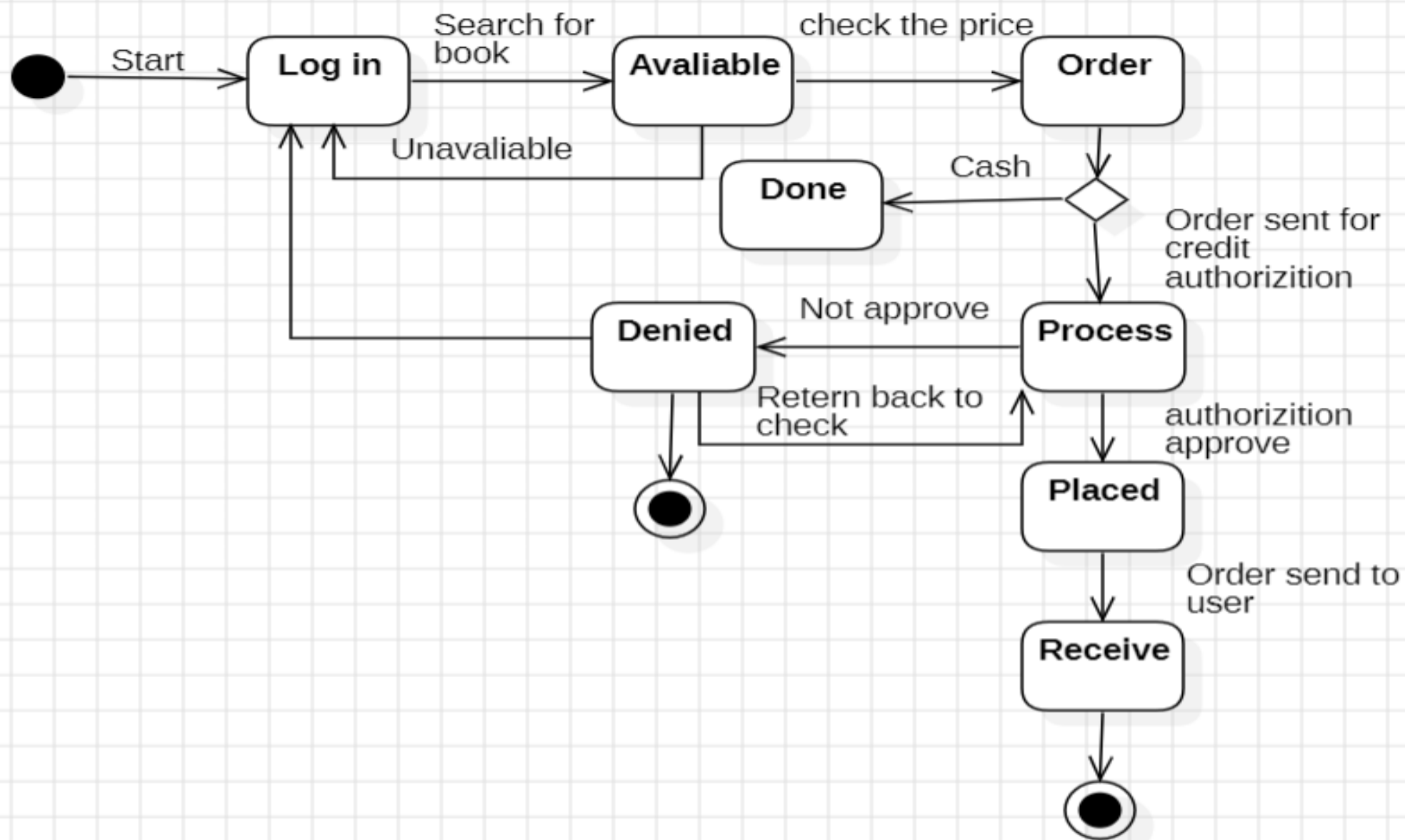












manager

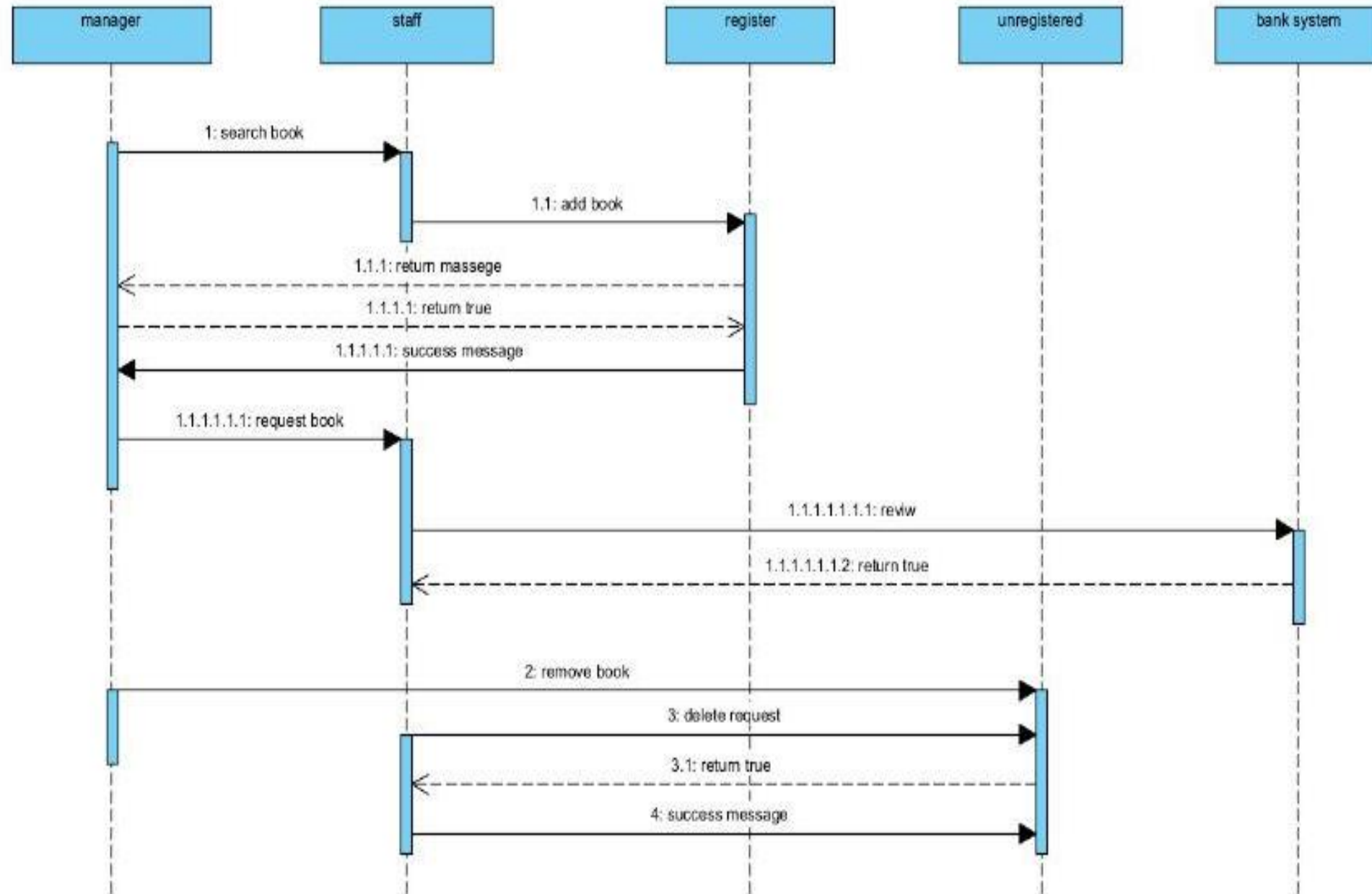
staff

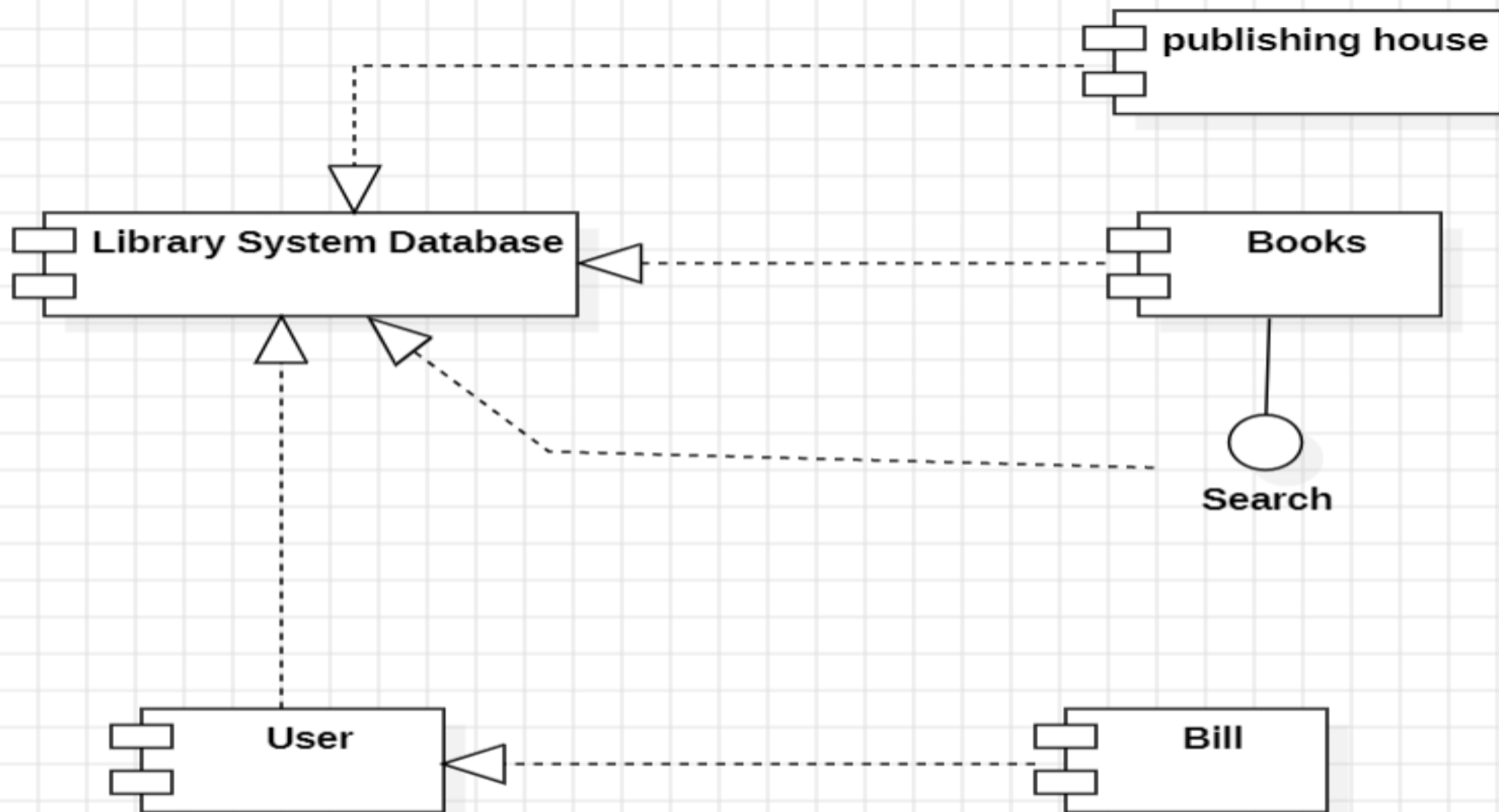
register

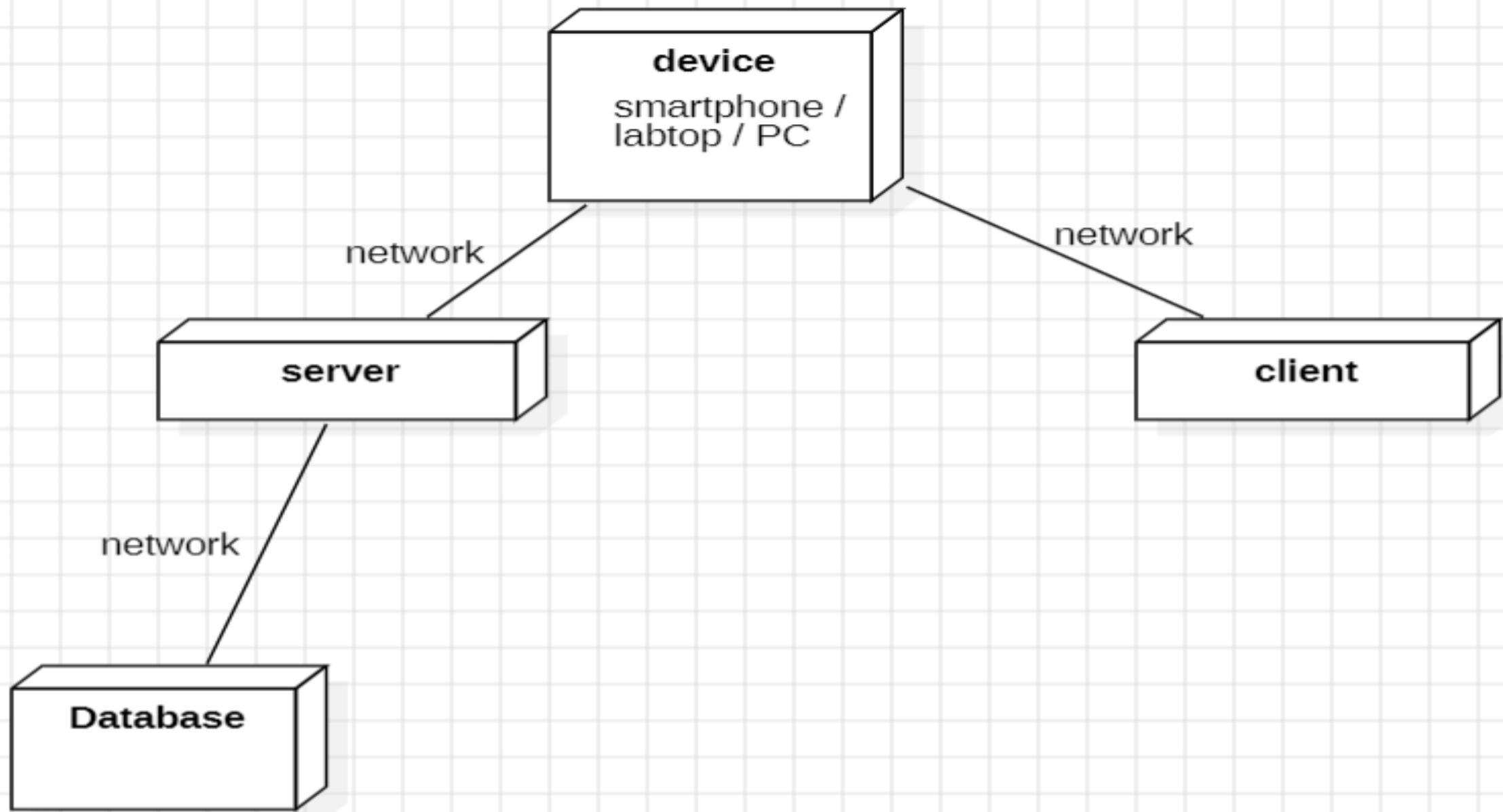
unregistered

bank system

sd [Sequence Diagram2]







MADE BY:

| | |
|-----------------------|---|
| Razan mohamed kamal | Activity, state chart diagram (2200367) |
| Yasmin Walid Gamal | Use case, component diagram (2200392) |
| Shahinaz Samy mohamed | Business use case , class diagram (2200369) |
| Hend mofreh Shafeek | Sequence diagram (2200030) |
| Aya Selim mohamed | Object, deployment diagram (2200382) |