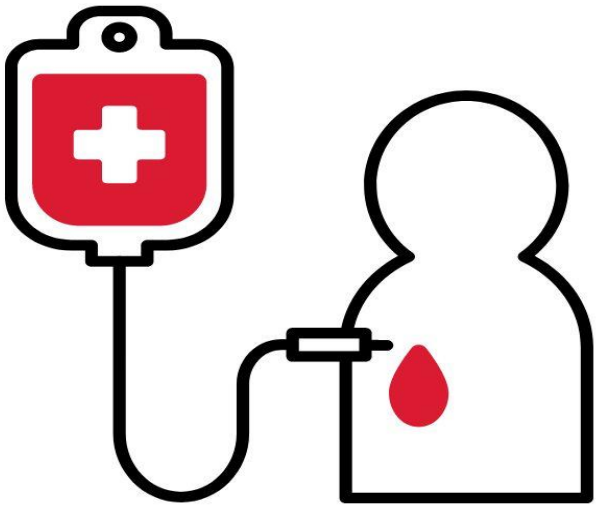
Blood bank management system



Name : Atika
Roll no: 2225165006
semester: 2
section :A
class : software Engineering

Blood bank management system

Model: Agile model

Reasons for using agile model.

- Agile model gives me freedom to make changes.
- New changes can be implemented at little cost.
- To implement a new feature the developer need to lose only the work of a few days, or only hours, to roll back and implement it.

Introduction:

- This system is developed to handle the daily transaction of the blood bank and we can see detail when required.
- It also register the detail of donors, blood collection as well as blood disused reports.

Requirement gathering

User requirements:

When a donors log in, the system will provide another interface with commands.

- Change login password.
- Change contact details.
- It can donate or get blood
- Withdraw name from the system.

System requirements:

- Hardware requirements:
  1) High processor or 1GHz 2) 521 MB RAM 3) Hard disk of 500MB
- Software requirements:
  Dept of CEA, GLAU, Mathura

Functional requirements:

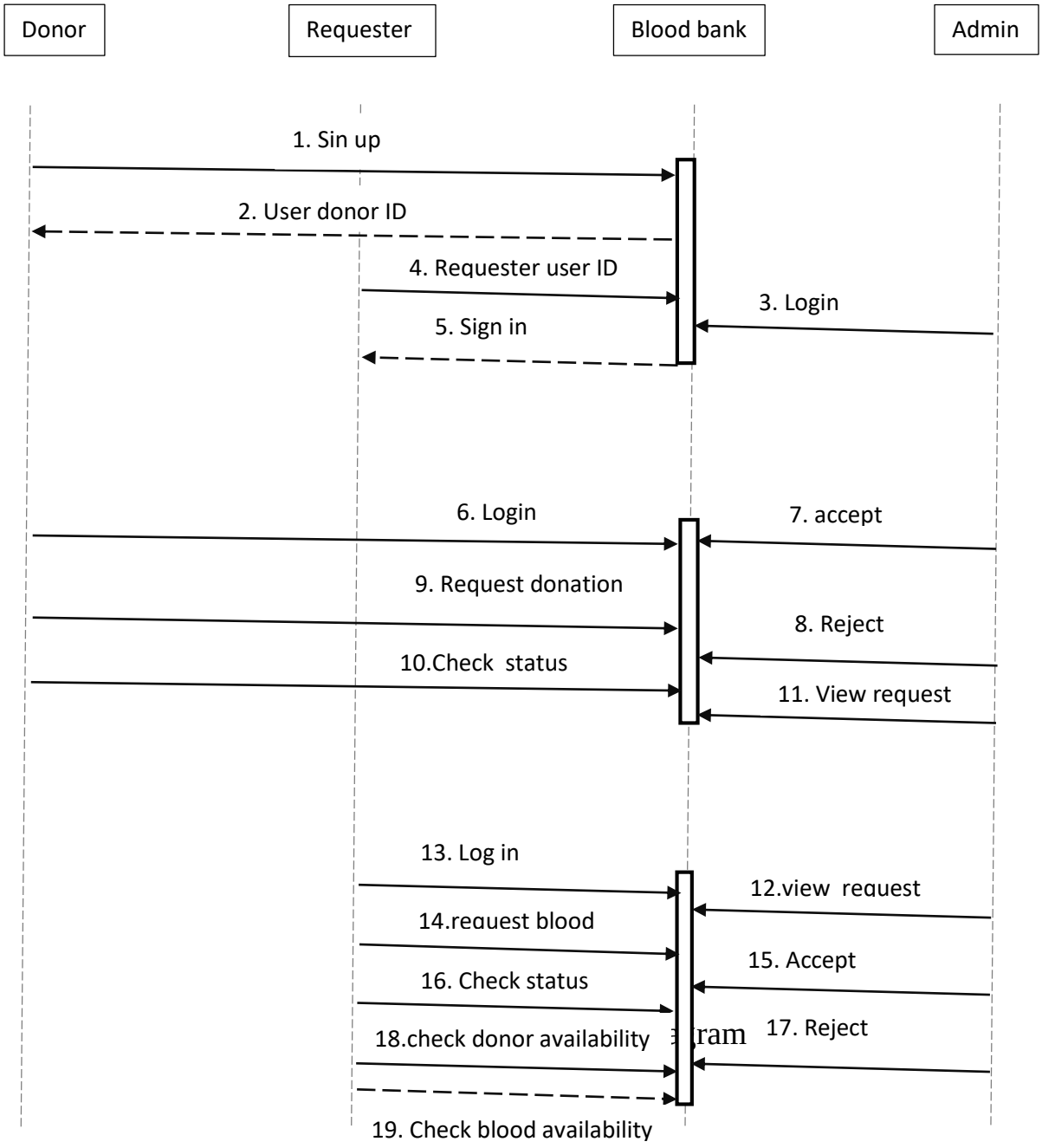
- Admin login
- Blood Donor
- Admen can change login password.
- Register donor by himself.
- Register donor by system admin.
- Donor login.
- Change login pass of donor.
- Change the personal, contact detail by donor or admin.
- Withdraw system by donor or admin.
- Admin logout.
- Send blood donation detail to the donor.
- Save all the details.

Non Functional requirements.

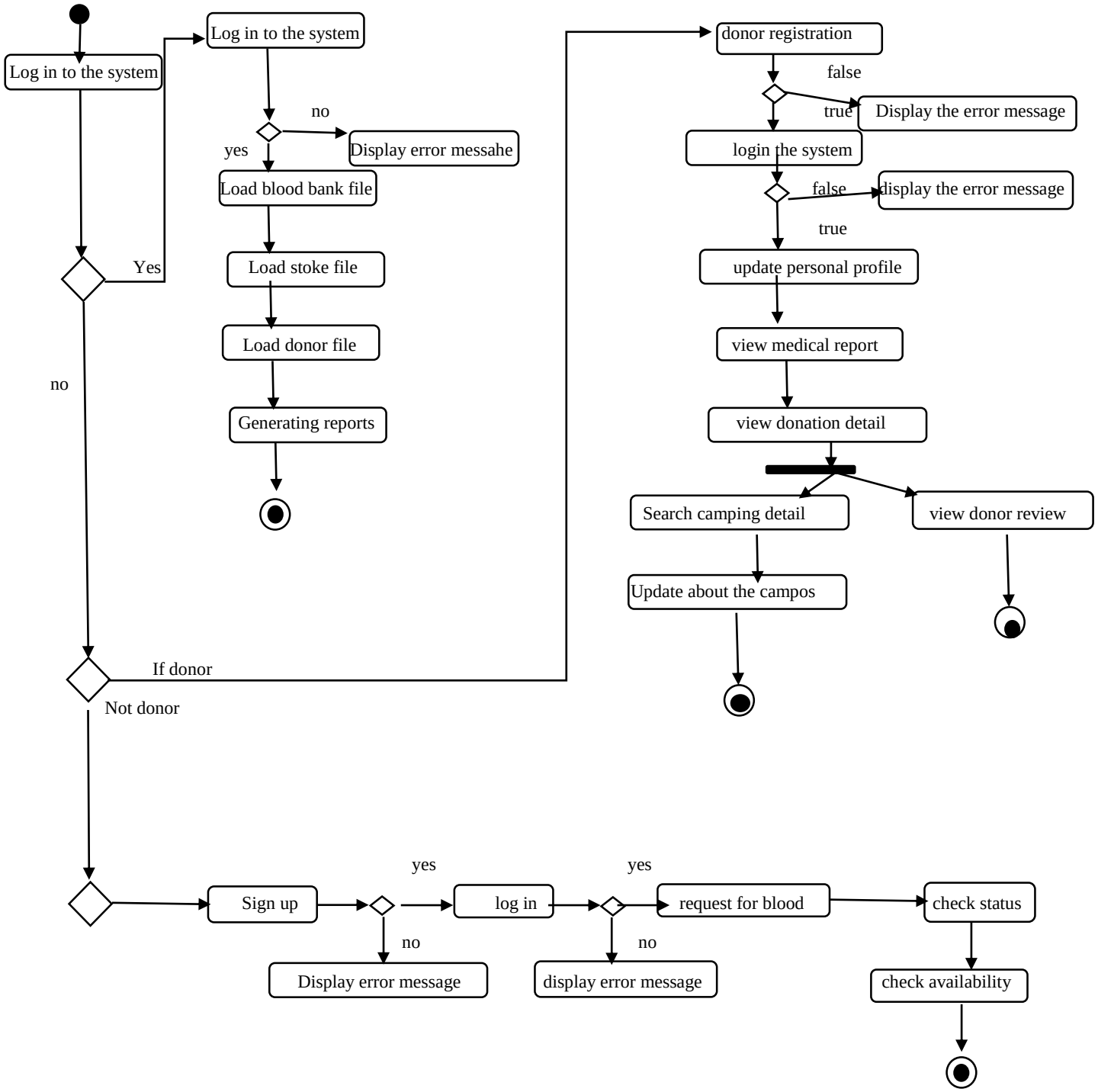
- Safety requirement.
  - Stored blood report must maintain on daily bases.
  - Date also maintain of when the blood is store.

- Security Requirements:
  - System use SSL in all transaction that include customers interface.
  - System automatically log out all customers after a period of inactivity.

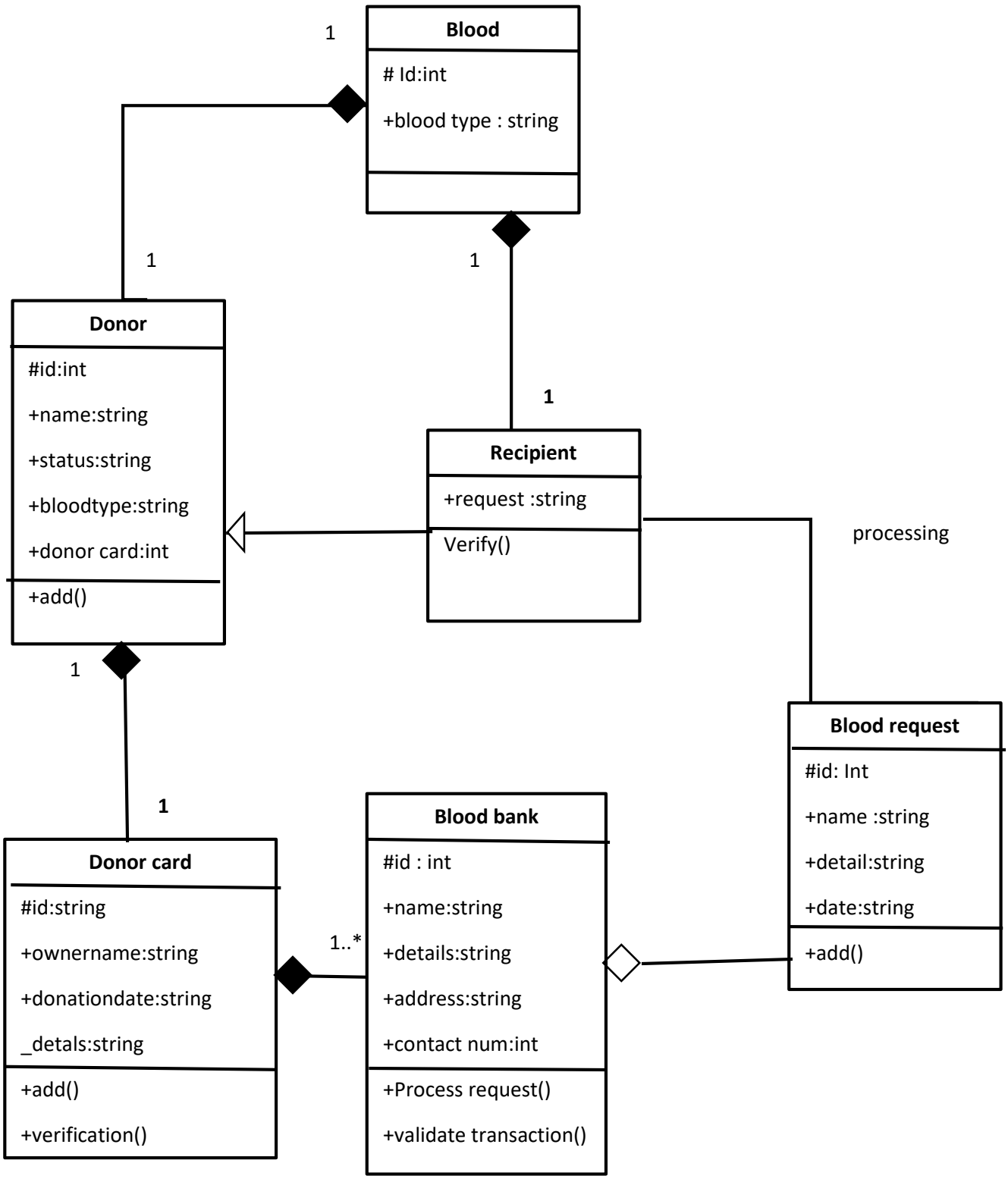
Sequence diagram of blood bank management system



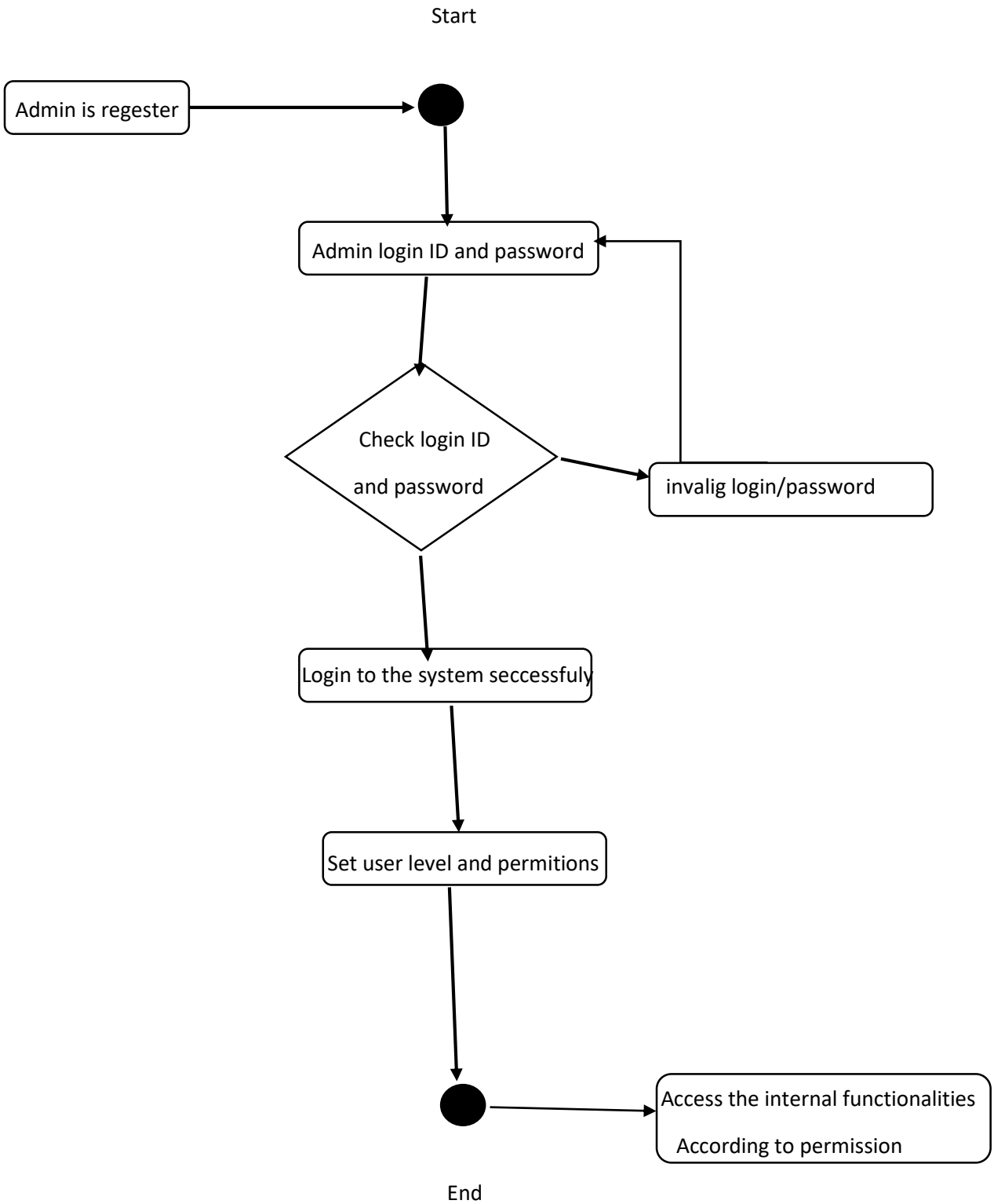
Activity diagram



Class diagram



State diagram



Swim lane diagram