Blood Bank Management System

Table of Contents

1. Use Case Diagram

2. Use Case Description

Introduction: This use case diagram must be followed in order to design Blood Bank Management System
Actors: Admin, Camp Organizer, Donor
Precondition: All Stakeholders must be logged onto the system before the use case beings.
Precondition: If the use case is successfully, login into system and database is update, else the system state remains unchanged.

Event Flow:
Basic Flow
    1. The system displays information of camps that are going to organized.
    2. System will notify donors about camp.
    3. The information of camps is stored into the database.

Special requirement: None
Associated use case: Login

Table 1 Use case description of blood bank management system

| **Introduction:** This use case diagram must be followed in order to design Blood Bank Management System |
| --- |
| **Actors:** Blood Bank, Hospital, Camp Organizer |
| **Precondition:** All Stakeholders must be logged onto the system before the use case beings. |
| **Precondition:** If the use case is successfully, login into system and database is update, else the system state remains unchanged. |
| **Event Flow:**
Basic Flow

    1. The blood request of recipient sends into hospitals and blood banks.
    2. If blood is available at any of the place, then they accept the blood request.
    3. Not accepted blood requests can be viewed by donors. |
| **Special requirement:**
None |
| **Associated use case:**
Login |

Table 2 Use case description of blood bank management system

| **Introduction:** This use case diagram must be followed in order to design Blood Bank Management System |
| --- |
| **Actors:** Blood Bank, Hospital, Camp Organizer |
| **Precondition:** All Stakeholders must be logged onto the system before the use case beings. |
| **Precondition:** If the use case is successfully, login into system and database is update, else the system state remains unchanged. |
| **Event Flow:**
Basic Flow

    1. Blood bank, Hospital and Camp organizer upload the file of donor's collected blood details.
    2. Then system will verify the data and if the data are valid then it allows to update database. |
| **Special requirement:**
None |
| **Associated use case:**
Login |

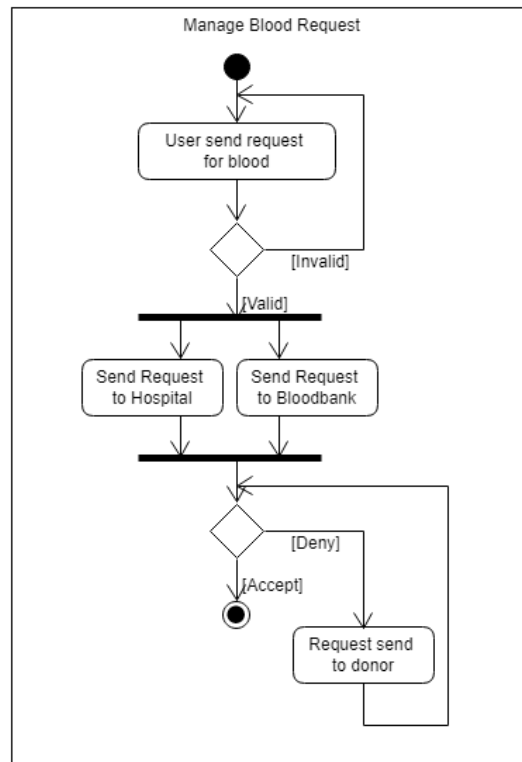*Table 3 Use case description of blood bank management system*
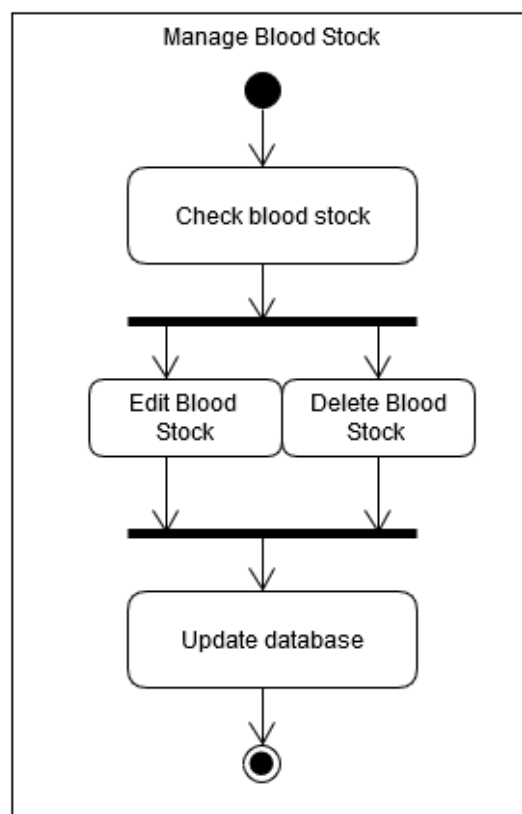
3. Activity Diagram

3.1. Login
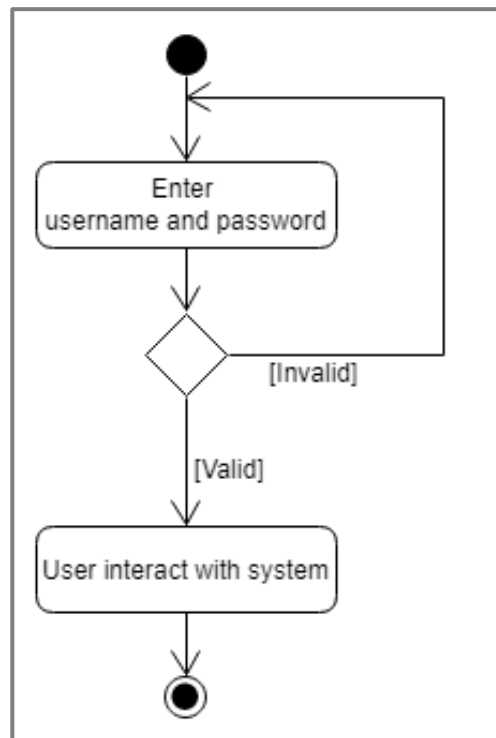
3.2. Registration
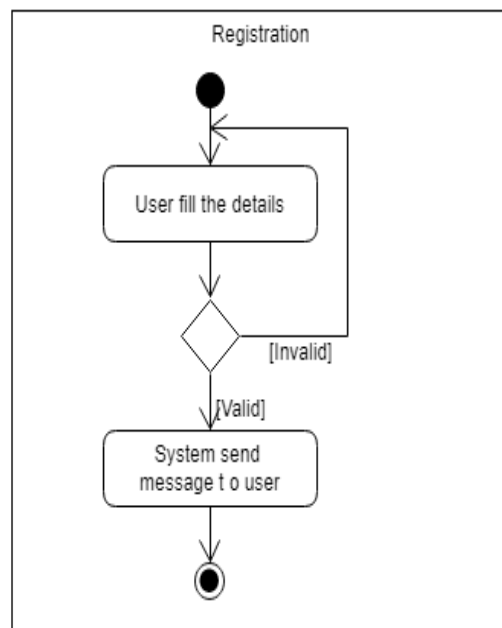
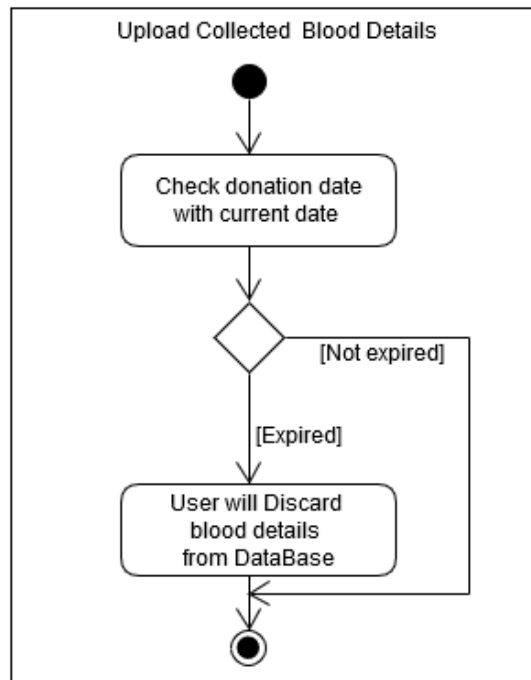## 3.3. Manage Blood-Request

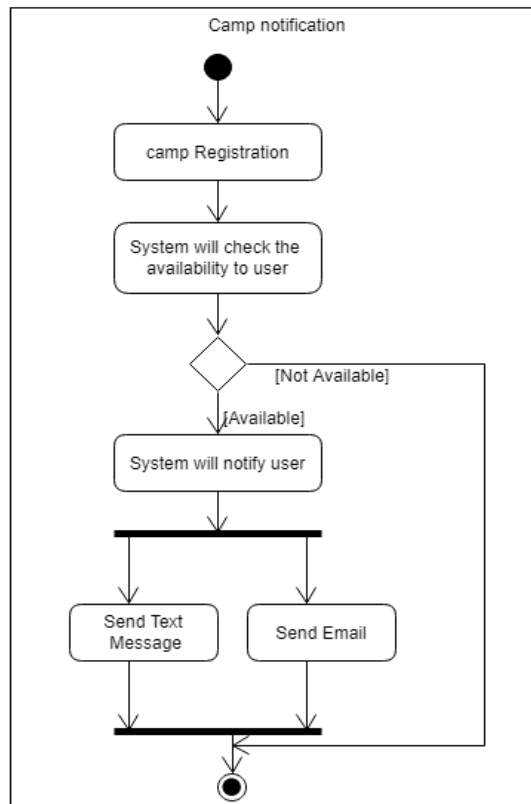

3.4. Manage Blood Stock
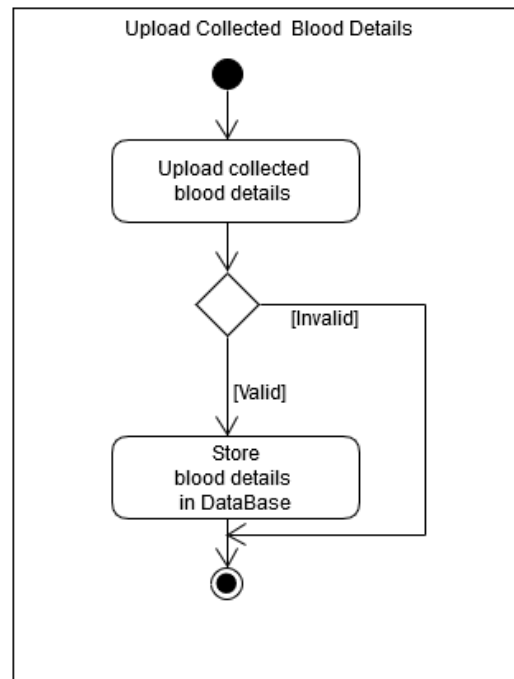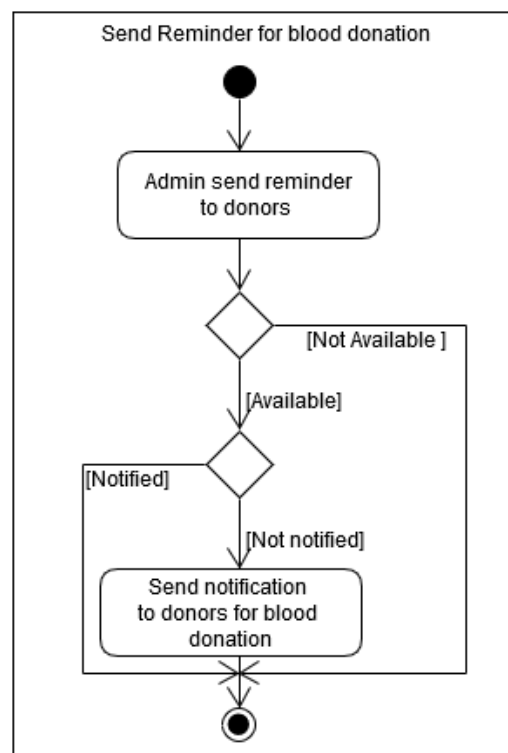
3.5.   Discard expired blood

3.6.   Camp Notification

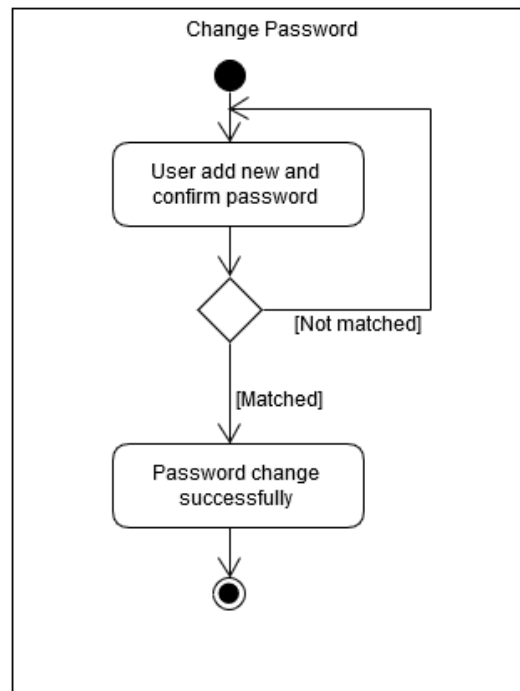## 3.7.   Upload Collated Blood Details
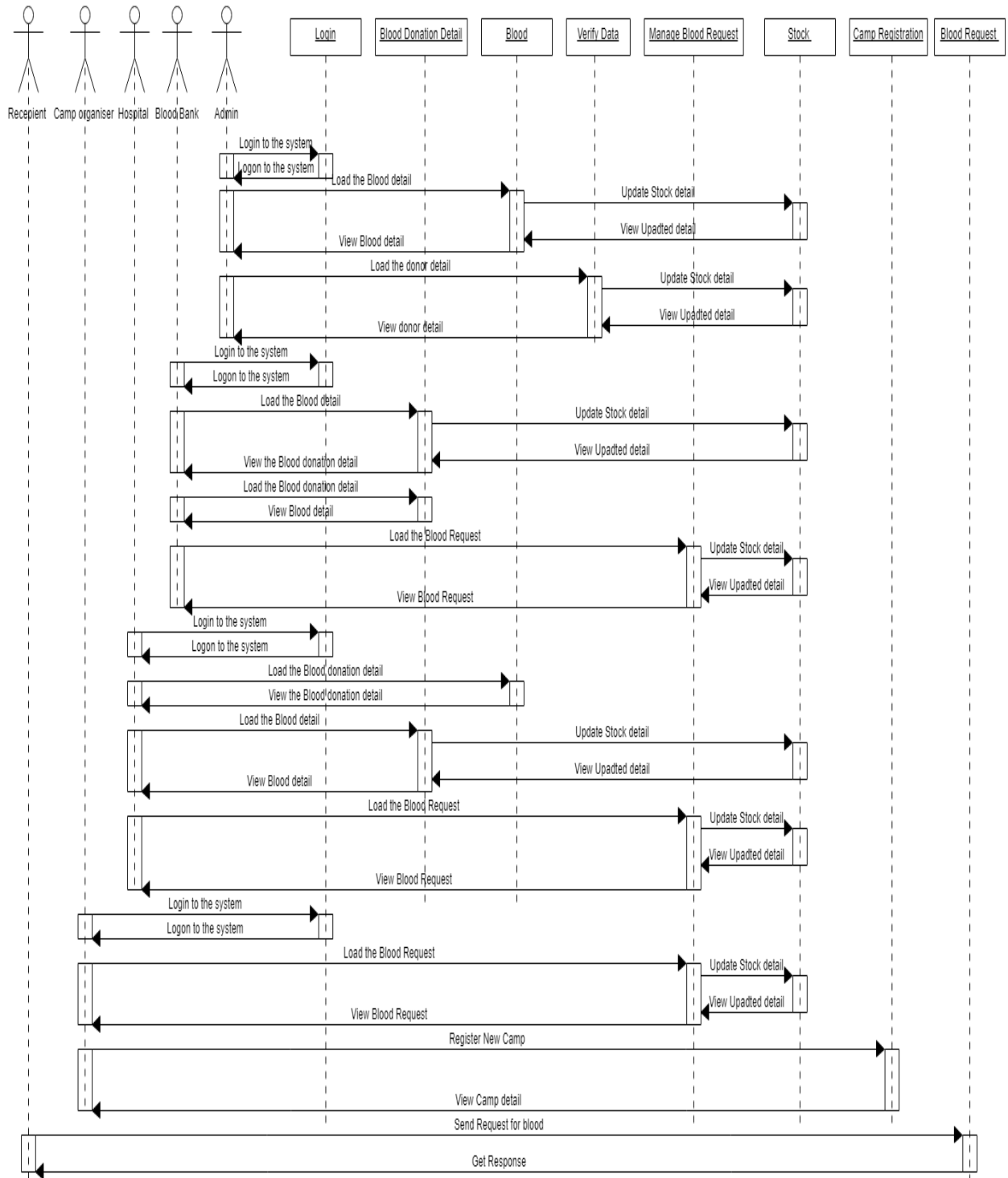

3.8.   Send Reminder for blood donation

3.9.   Change Password

4. Sequence Diagram

5. Flow Chart