



FCIS
AIN SHAMS
UNIVERSITY

System Analysis and Design

ONLINE BLOOD BANK MANAGEMENT SYSTEM

CS-35

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1. Project Description and Services in Details:

This project represents a system for an online blood bank , which can be used by user.

User can :

- Register : create Account.
- Login.
- Modify his Information.

User has three children (All children can act as user):

a) Patient :

which can:

- Search Donors : by typing his requirements e.g.(blood type ,city),then he finds a list of donors that meet the requirements.
- Request Service : by choosing his suitable donor and request his information.
- View Donor Info : when the required donor accepts to view his information , patient can directly access all of his information.
- Get Life Saving Contacts : View Life Saving Contact in case he didn't find his requirements , or donor refused to share his information.

b) Donor :

which only can :

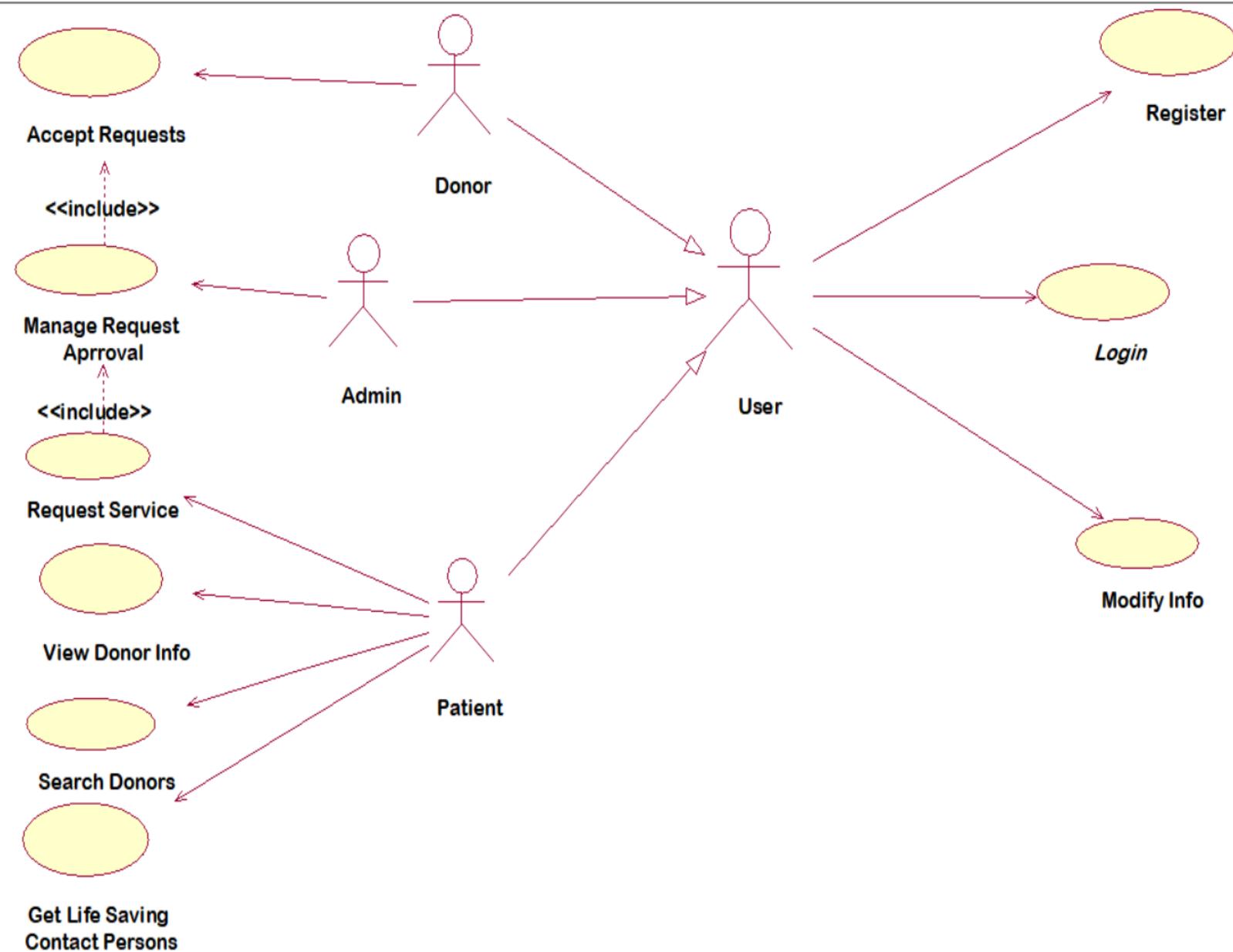
- Accept Requests : Accept requests for viewing his information or refuse.

c) Admin :

which is responsible for:

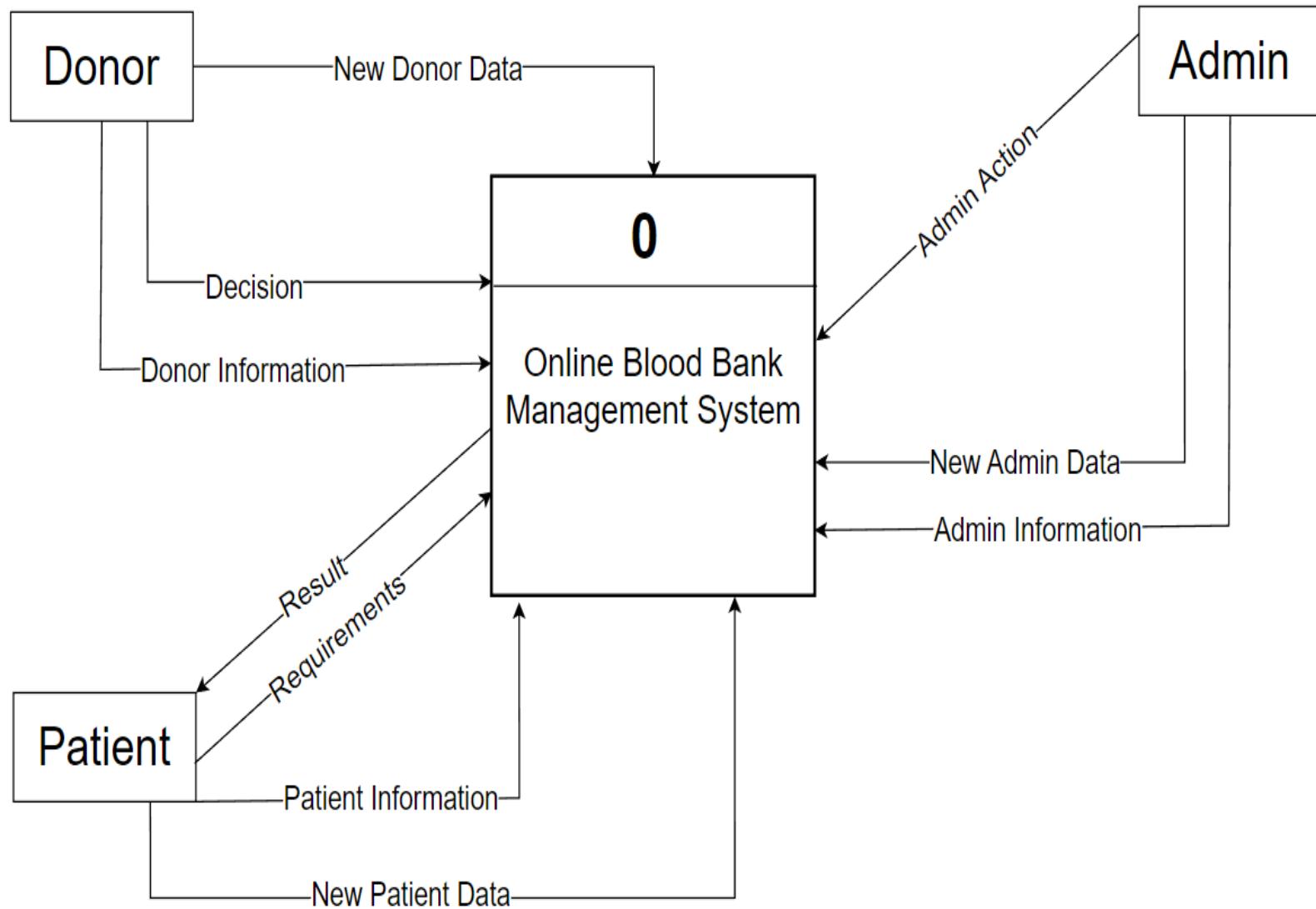
- Manage Requests : between the patient and donor ,and return the Life Saving Contacts to the patient in case donor refused to view his information.

2. Use Case Diagram

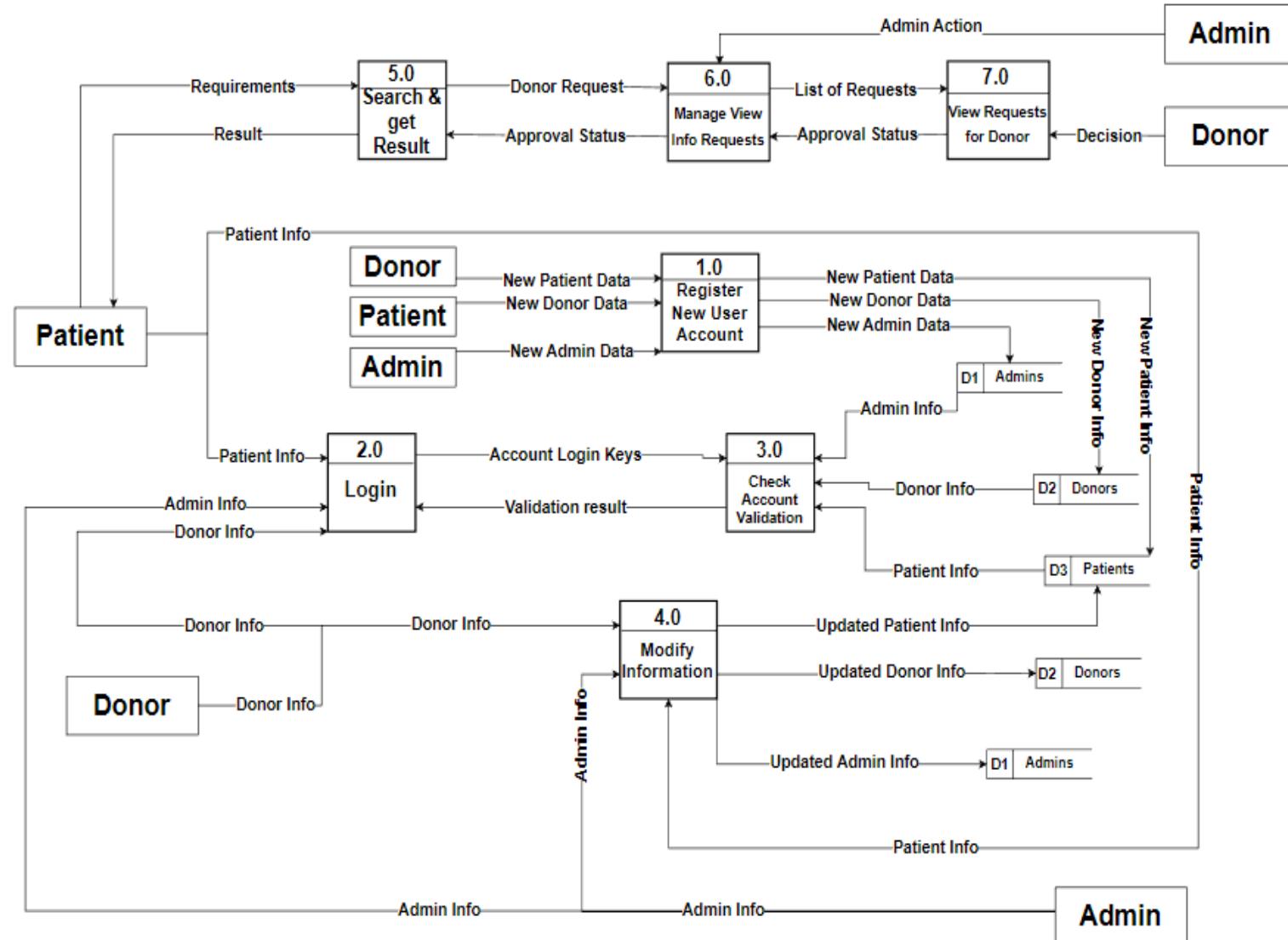


3. DFD Diagrams

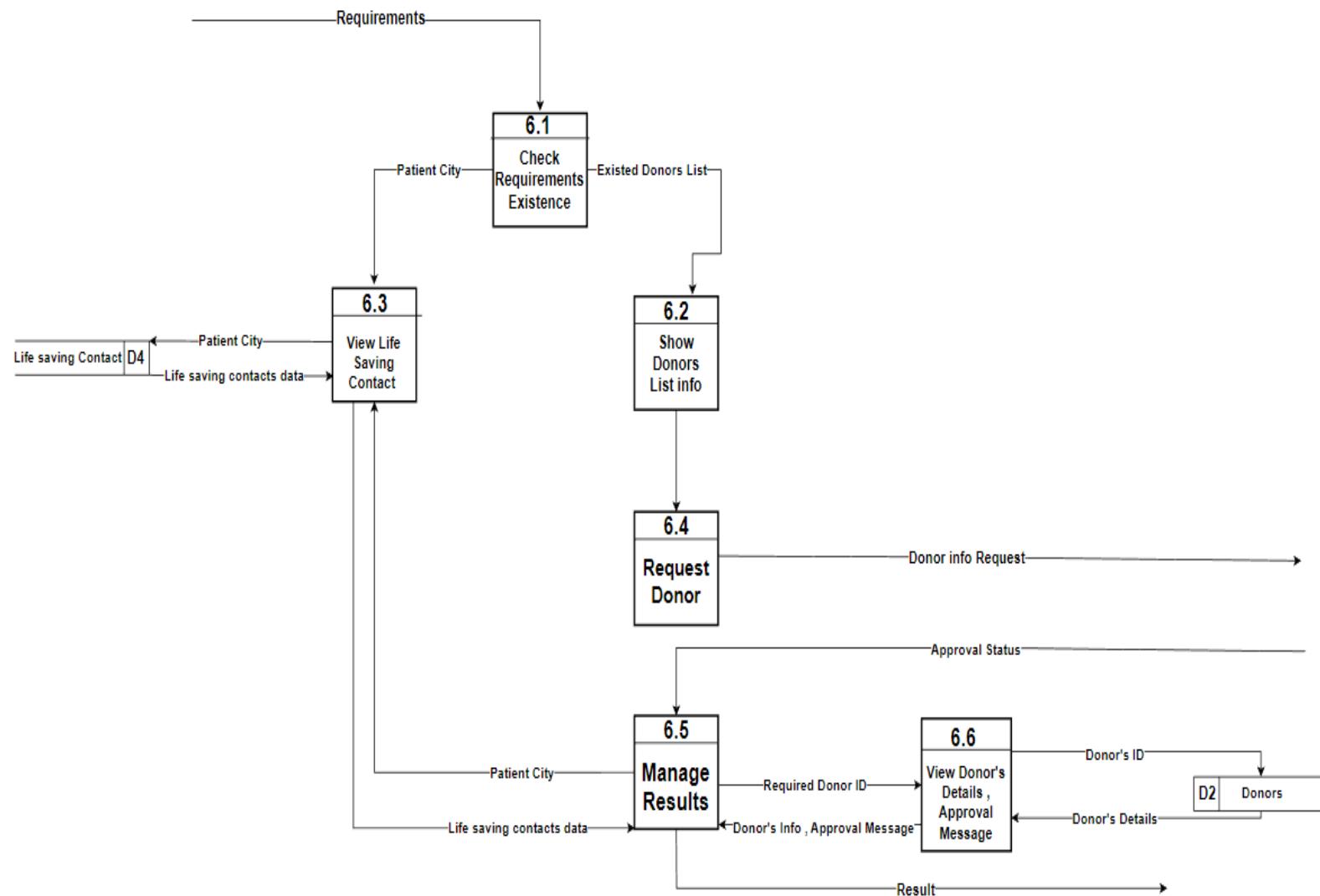
3.1. Context Diagram



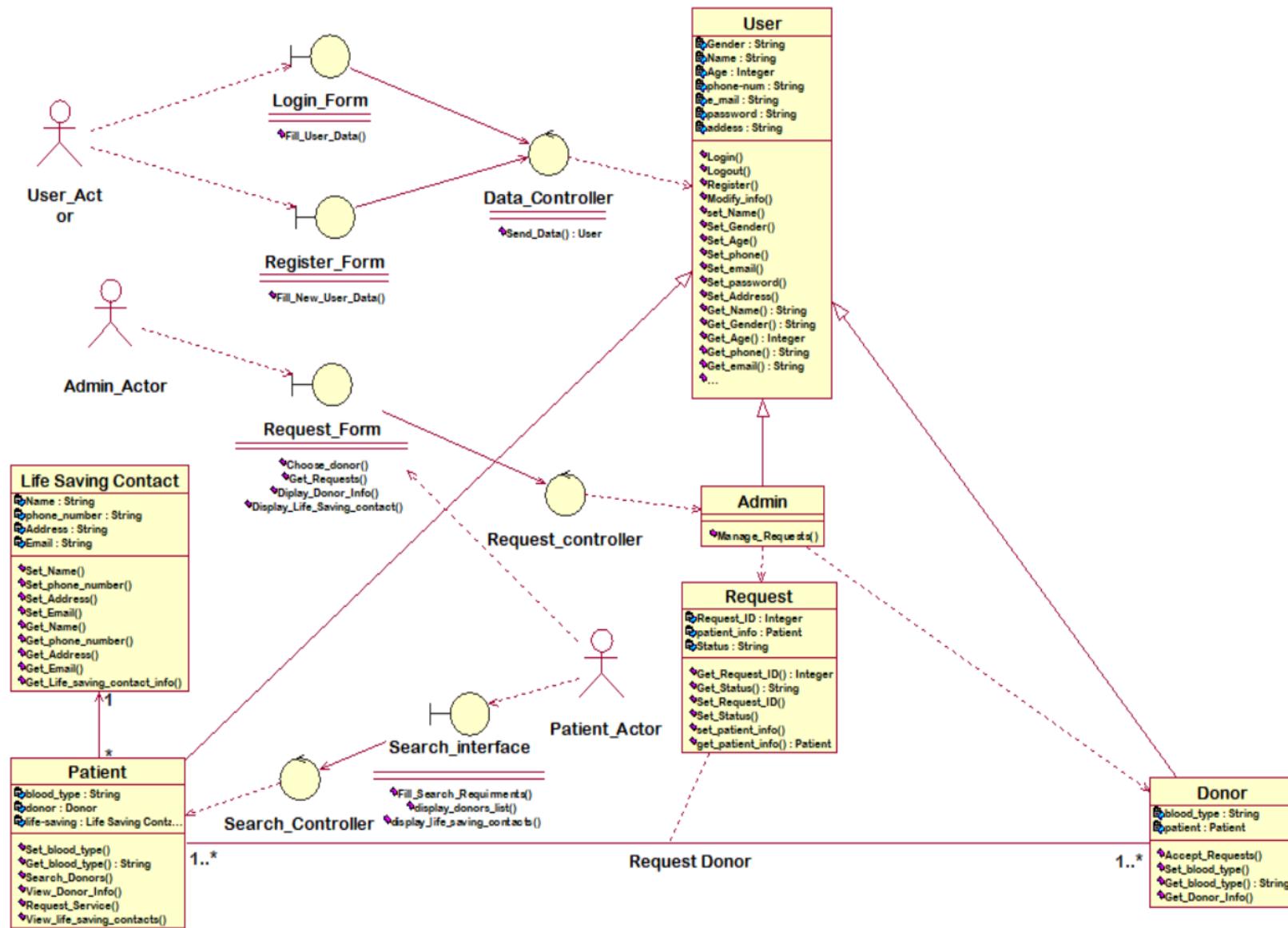
3.2. Level 0 Diagram



3.3. Level 1 Diagram

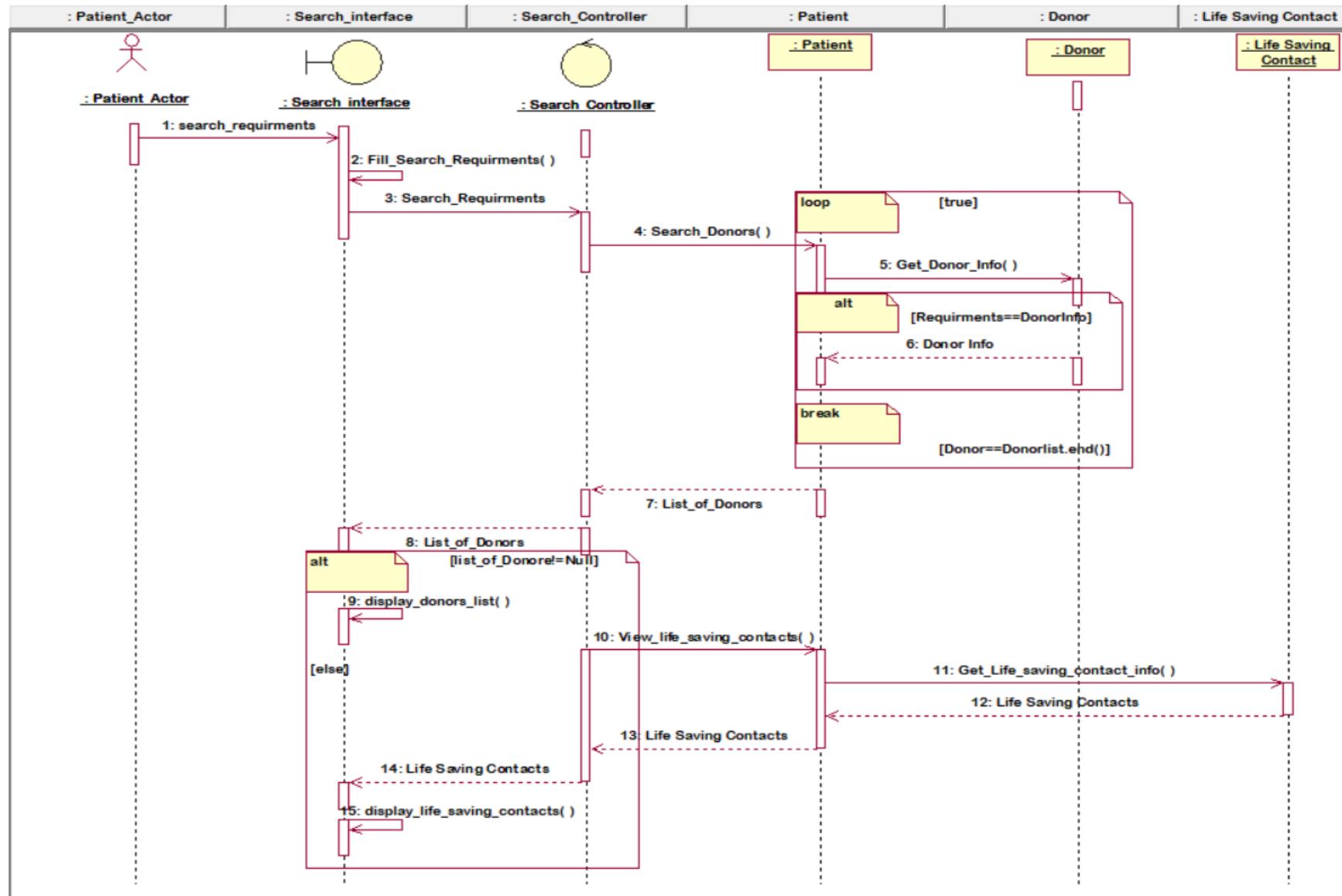


4. Class Diagram



5. Sequence Diagrams

5.1. Search Donors



5.2. Manage Request Approval

