

DONATION MANAGEMENT SYSTEM



ABC UNIVERSITY



Guided By:

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Presented By:

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DEVELOPERS

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Introduction

- Donation Management Project System is a mission to end hunger and no wasting of food and other needy items to make a hungry-free world.
- In the current working scenario , many NGOs are struggling with some issues mainly communication with their member , heads and volunteer while NGO are donating.
- The focus of this project is to reduce the amount of wastage of needy items and being used to the needy people.

Existing System

- Presently people who wish to donate items need to personally visit the organizations and donate foods or other items. Otherwise, they have to search for some websites to donate needy items. In general, the large manufacturers, wholesalers, and organized community provide food items to food banks or waste tons of foods daily. They have to search for some organization that needs food. This process involves a lot of time to contact the organization to check the requirement. If they do not need the food, then the person has to contact another organization. This makes the donor tired and exhausted.

Advantages of Proposed System

- The objective of our application is to enable a link of communication and interactions among Volunteers, donors and the needy.
- The people wishing to donate will be able to see all the options available with them to do the same. The item they wish to donate then shall be collected by a volunteer who is selected by admin.
- The donated item shall safely reach the intended needy persons after this interaction.
- It is very much flexible to work.
- Man power required is very less.

Objective

- Reduce lack of awareness.
- Enable easy interaction between donor and volunteer.
- It is very much faster than manual system.
- Easy and fastest record finding technique.
- It is very much flexible to work.
- It is very user oriented.
- Data can be stored for a longer period.

Need of The System

- There is always a need of a system that will provide an interactive platform between donors and NGOs(Volunteers). This system will reduce the manual operation required to collect donations. And also generates the various reports for analysis.
- Thus, there is a big need of an online donation management system, which provides all the above-mentioned facilities and many more.

Project Scope

- The project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any businesses organization. More over it provides facility to its users. Also the software is going to provide a huge amount of summary data.

Proposed System

- The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.
- User friendliness is provided in the application with various controls.
- The system makes the overall project management much easier and flexible.
- There is no risk of data mismanagement at any level while the project development is under process.
- It provides high level of security with different level of authentication.

Modules:

- In this project, we use Python and **Sqlite** database. It has three modules
- 1. Donor
- 2. Volunteer
- 3. Admin

Donor Modules:

- Add Donation Detail
- View Donation History
- Edit Profile
- Change Password

Volunteer Modules:

- View Donation Collection Request
- Update Donation Status and Remark
- View Donation History
- Edit Profile
- Change Password

Admin Modules:

- Admin is the super user of the website who can manage everything on the website. Admin can log in through the login page
- Dashboard: In this section, admin can see all detail in brief like the total new donation request, Total accepted donation, Total donation delivered, Total donors , Total volunteers and Total donation area.
- View All New Donation Request.
- Accept or Reject Donation
- Assign Volunteer and Donation Area

Admin Modules (Continue):

- Manage Donors.
- View New Volunteer Registration Request.
- Accept or Reject Volunteer.
- Manage Volunteer.
- Admin can also update the password.

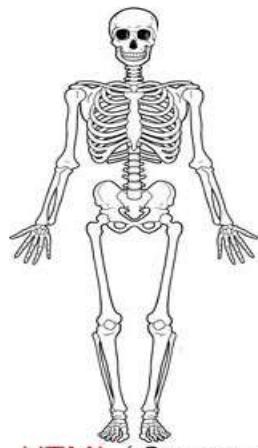
SOFTWARE USED

- PYTHON INTERPRETER
- PYCHARM IDE (INTEGRATED DEVELOPMENT ENVIRONMENT)
- DJANGO FRAMEWORK
- NOTEBOOK OR ANY OTHER TEXT EDITOR
- CHROME OR ANY OTHER BROWSER

FRONTEND (LANGUAGE USED)

- HTML (HYPERTEXT MARKUP LANGUAGE)
- CSS (CASCADING STYLE SHEET)
- BOOTSTRAP (FRAMEWORK OF CSS AND JS)

WEB DESIGNING



HTML (Structure)



CSS (Presentation)



Javascript (functionality)

BACKEND

- PYTHON DJANGO
- SQLITE (**DATABASE**)



SYSTEM DESIGN

Unified Modeling Language:

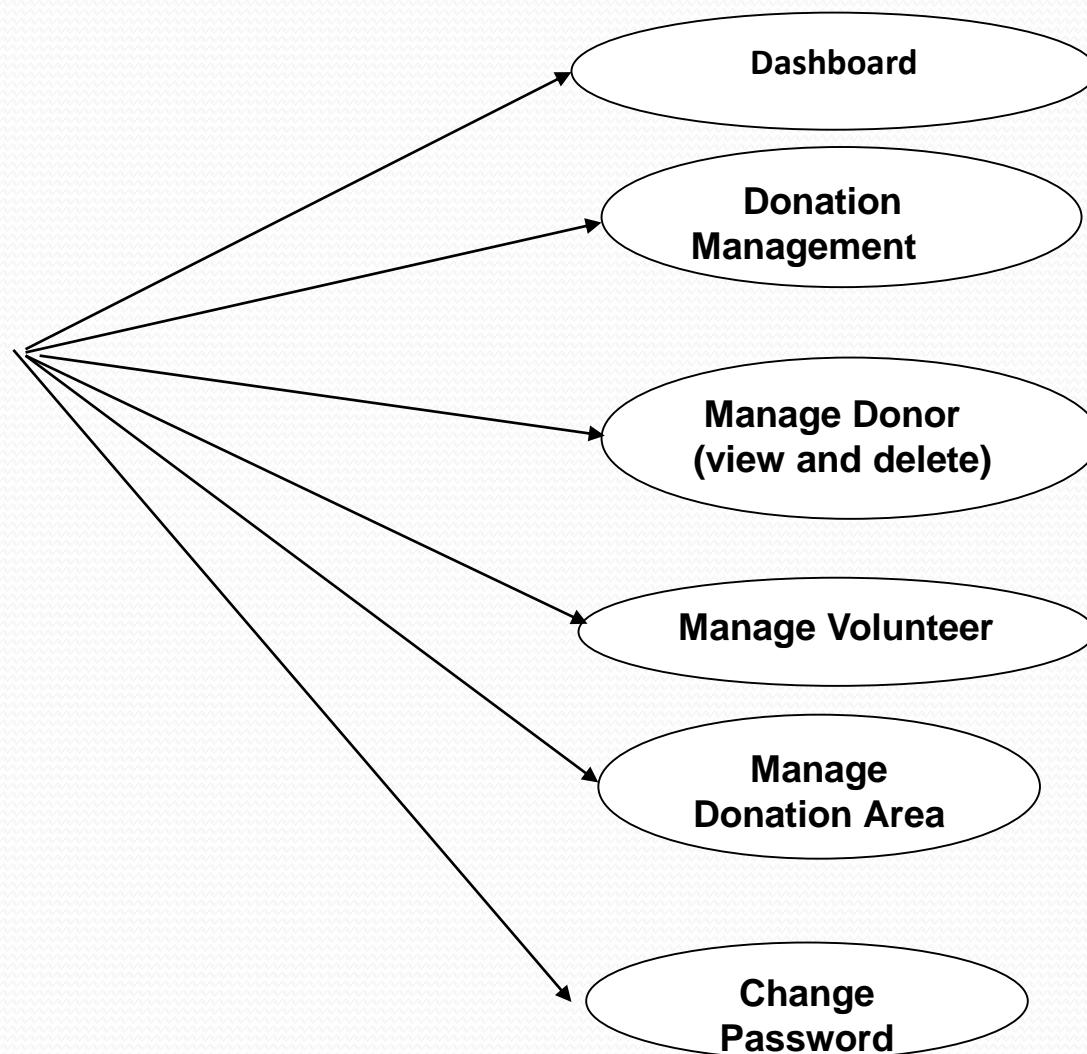
- UML stands for Unified Modeling Language. It is a third generation method for specifying, visualizing and documenting the artifacts of an object oriented system under development. Object modeling is the process by which the logical objects in the real world (problem space) are represented (mapped) by the actual objects in the program (logical or a mini world). This visual representation of the objects, their relationships and their structures is for the ease of understanding. This is a step while developing any product after analysis.

- The Unified Modeling Language encompasses a number of models.
- Use case diagrams
- Class diagrams
- Sequence diagrams

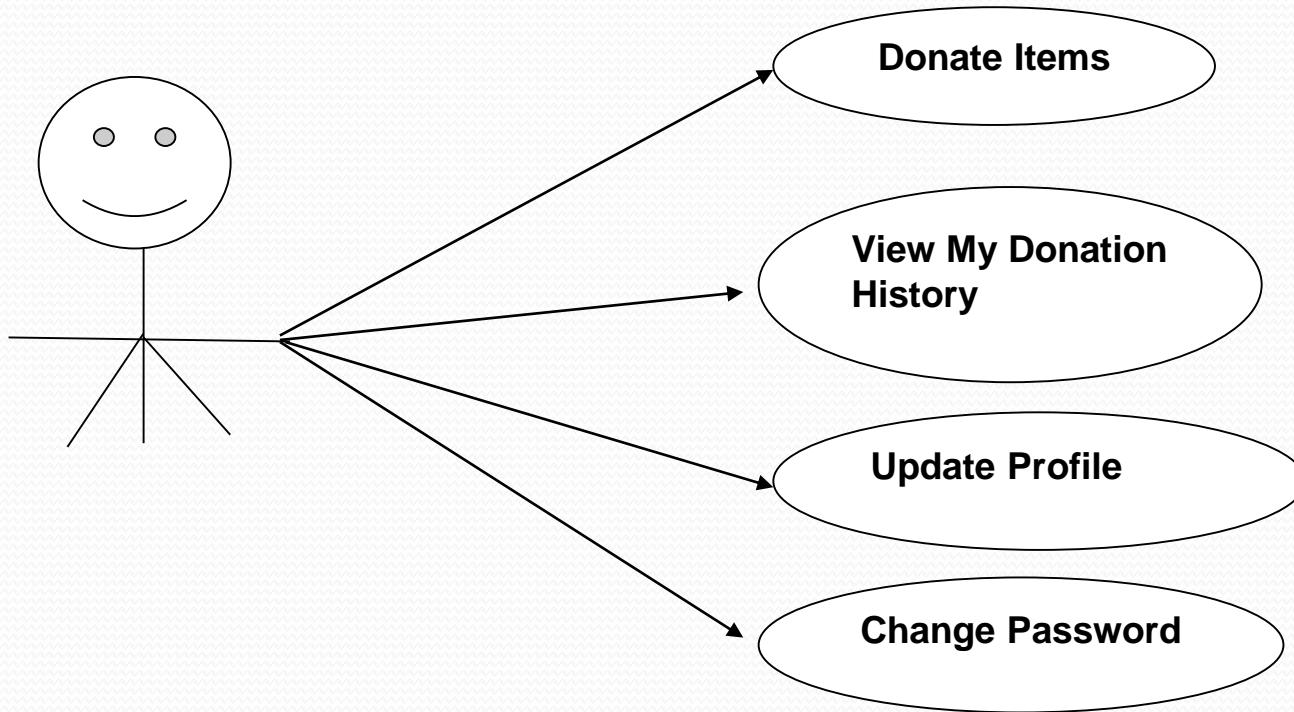
Use Case Diagram:

- Use case diagram consists of use cases and actors and shows the interaction between them. The key points are:
- The main purpose is to show the interaction between the use cases and the actor.
- To represent the system requirement from user's perspective.
- The use cases are the functions that are to be performed in the module.
- An actor could be the end-user of the system or an external system.

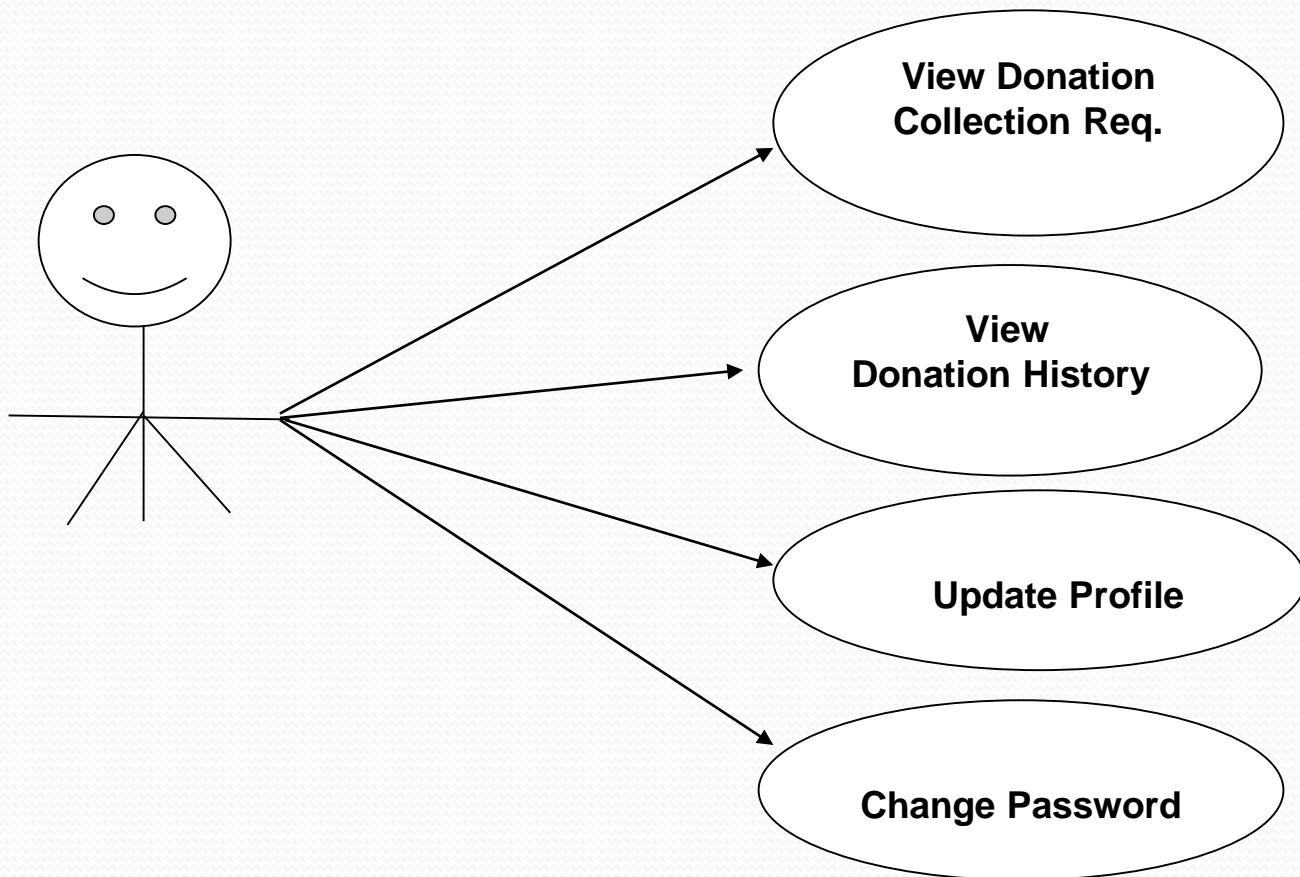
Use Case Diagram – Admin :



Use Case Diagram - Donor User:



Use Case Diagram - Volunteer User:

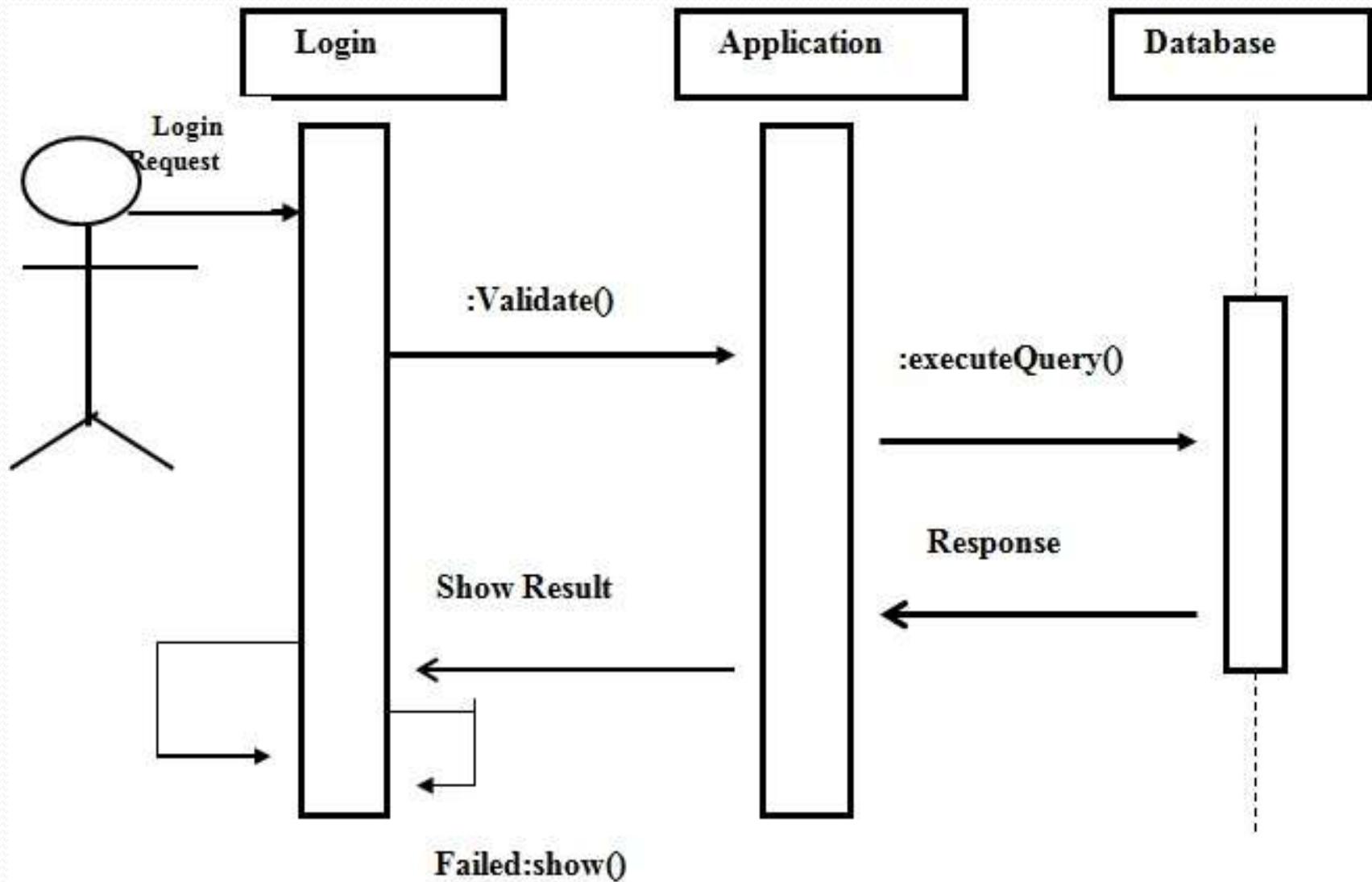


Sequence Diagram:

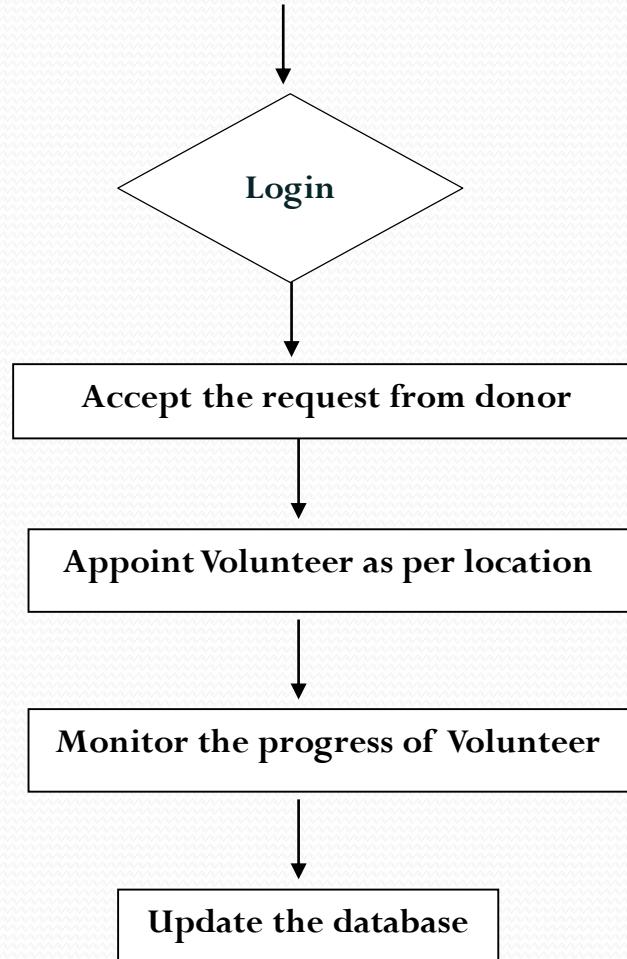
The purpose of sequence diagram is to show the flow of functionality through a use case. In other words, we call it a mapping process in terms of data transfers from the actor through the corresponding objects.

SEQUENCE DIAGRAM

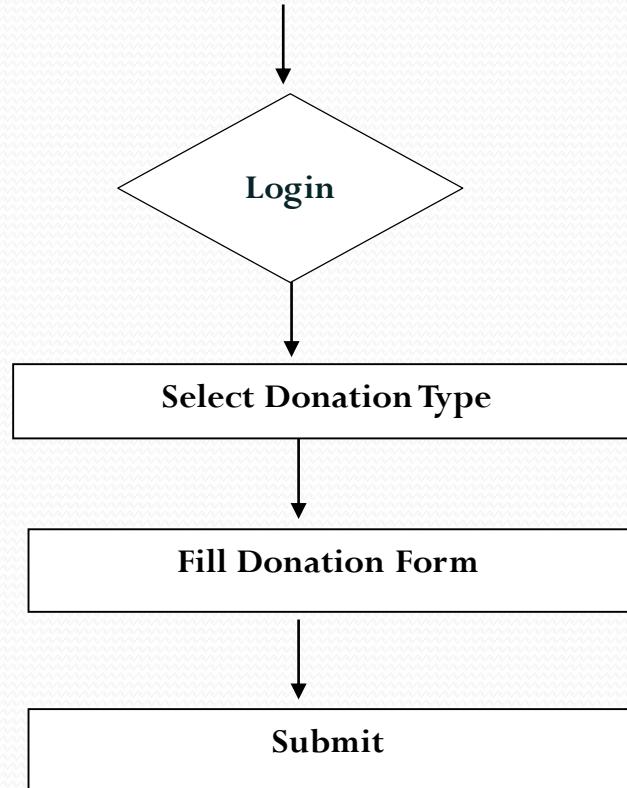
Sequence Diagram For Administrator:-



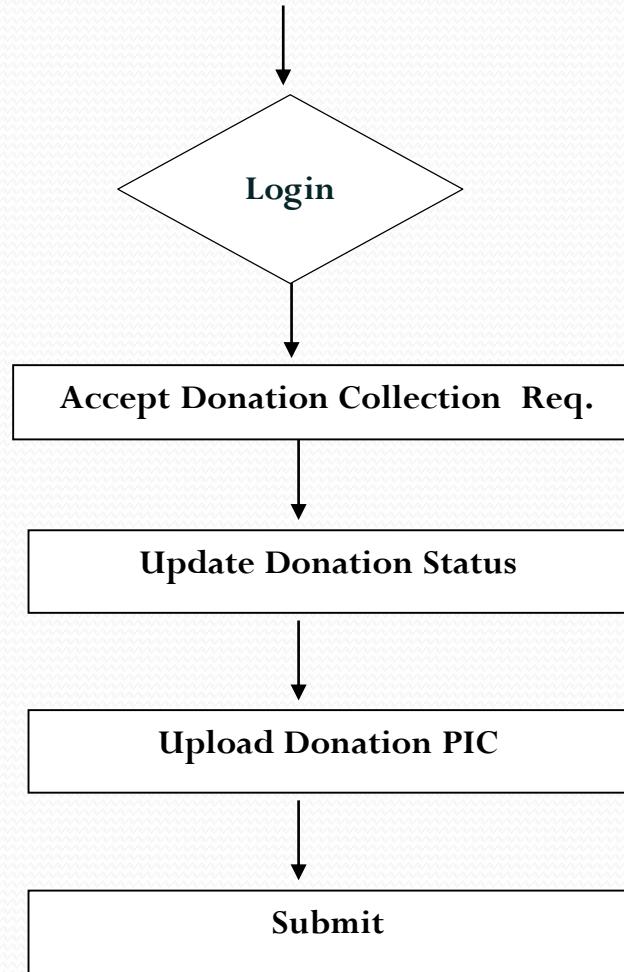
Admin flow chart



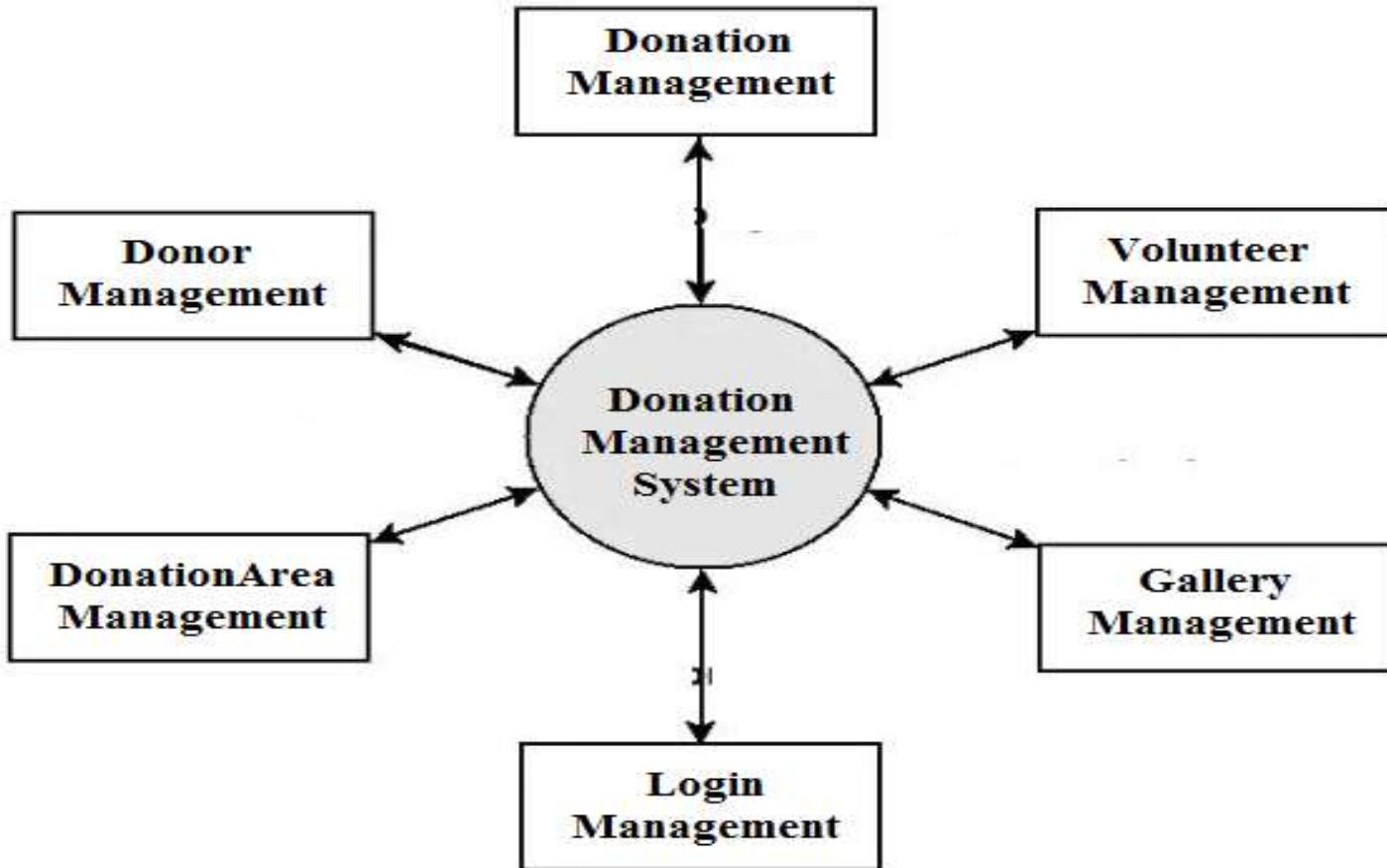
Donor flow chart



Volunteer flow chart

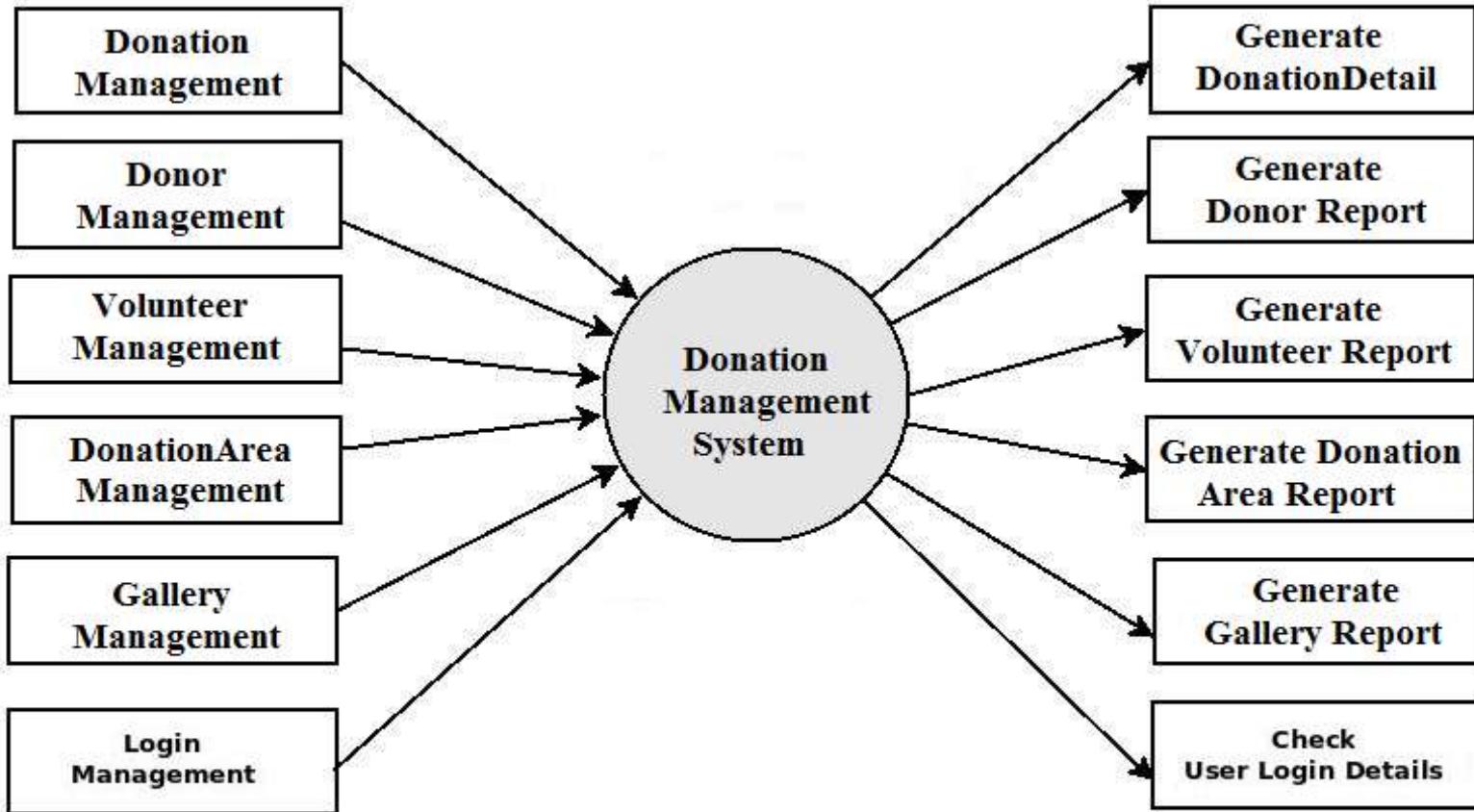


Data Flow Diagram(DFD)



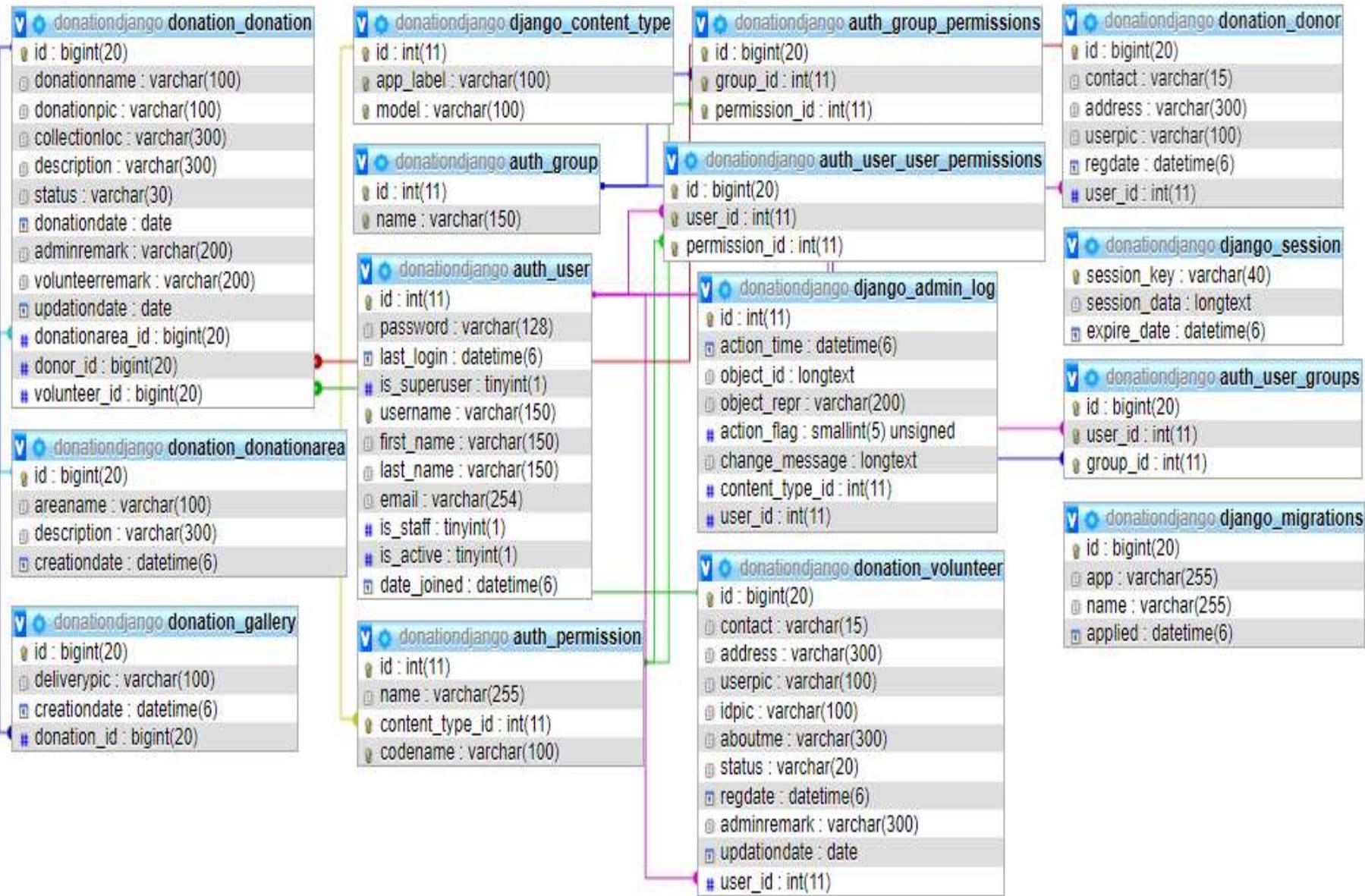
Zero Level DFD - Donation Management System

Data Flow Diagram(DFD)

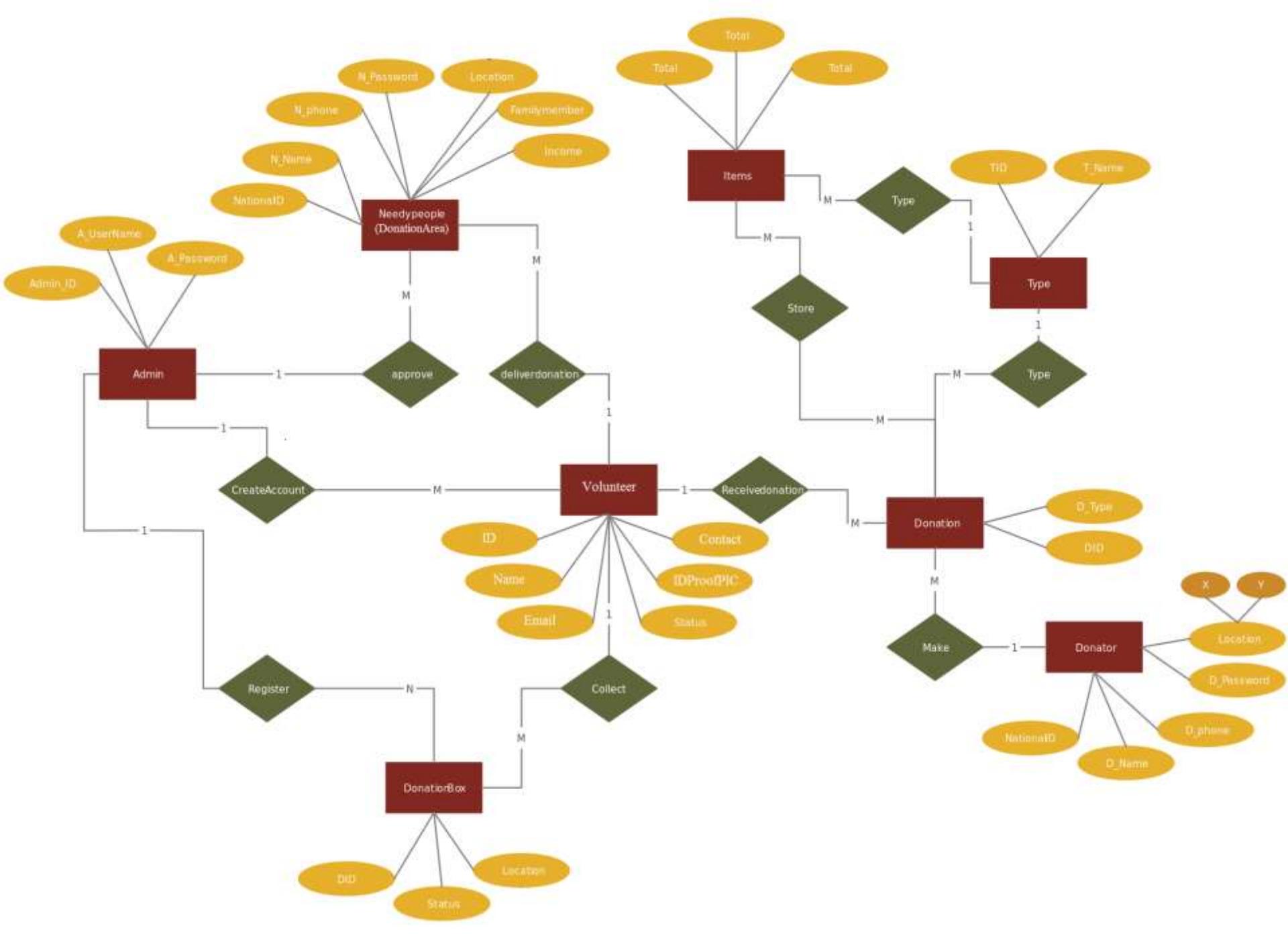


First Level DFD - Donation Management System

Class Diagram



ER Diagram



SCREEN SHOTS – Home Page

Donation Management System × +

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Home About Us Donate Contact Us Gallery Login

Reduce Wastage of Needy Items

Help others without any reason and give without the expectation of receiving anything in return.

Always give without remembering and always receive without forgetting.

[Read More »](#) [Donate Now »](#)



About Us

This system is provide a platform to donor where they can donate things like food , clothes , books , footwears , vessels , toys etc. We collect all donation and redistributes to poor peoples.

[Read More »](#)

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Donor Registration Page

Donor Login Page

DONOR HOME PAGE

DONOR NOW PAGE

DONATE HISTORY PAGE

VIEW DONATION DETAIL PAGE

EDIT PROFILE PAGE

Change Password Page

CHANGE PASSWORD PAGE

ADMIN LOGIN PAGE

VIEW ALL DONATIONS PAGE

MANAGE DONOR PAGE

VIEW DONOR DETAIL PAGE

MANAGE VOLUNTEER PAGE

VIEW VOLUNTEER DETAIL PAGE

ADD DONATION AREA PAGE

MANAGE DONATION AREA PAGE

VOLUNTEER LOGIN PAGE

VOLUNTEER HOME PAGE

FUTURE SCOPE

- This web application involves almost all the basic features of the online donation management system. The future implementation will be online help for the users and chatting with website administrator.

CONCLUSION

- It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in Python and Sqlite web based application. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

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 - Lightweight Django by *Elman and Mark Lavin*



THANKYOU