

AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
Department of Computer Science and Engineering

SOFTWARE DEVELOPMENT-V
CSE3200

INTRODUCTORY PROJECT REPORT

Goods For All

Submitted by

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| Siam Islam | 17.01.04.124 |
| Popin Saha | 17.01.04.132 |

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1 Introduction

In our day to day life we spend a lot of foods and cloths. We can utilize this goods by donating to others. To do so we need to build a community through which donator can donate there goods and some charity employee can deliver those goods to needy people. All the information can be obtained in a single place. A system is important if you want to maintain standard and correct track of the information.

2 Objective

Our System has 4 main parts-

- Donator
- Needy people
- Admin
- Charity employee

This system will allow donator to donate there goods. Donators can share post with different type of items images. Users including donator, charity employee and needy people must provide their personal information such as NID no, location etc. so that all of them can communicate with each other.

Needy people can request according to their needs and they can also make their comment private in case of hesitation.

Admin can approve request of the posts and can also donate in donation box.

Charity employee can collect the item from the donation box or from the donator and can deliver it to the needy people.

3 Features

This system has following features-

- Admin can handle requests and can register item in them in the donation box
- Needy people can request for goods and can also make their comments private in donator post
- Donator donate goods of various types
- Charity employee collect and deliver goods to its destination

4 Entity-Relationship Diagram

Entity and its attributes

An entity relationship diagram (ERD) represent the relationships among entity sets stored in a database and also the attributes required.

We take the following entity shown in figure below.

Entity-1: Admin

Admin_Id(int): This is a primary key for accessing the admin information. It is unique.

A_Username(Char): Name of the admin. It will help to identify person.

A_Password(Char): Password of the admin to access the website

Entity-2: Needy People

National_Id(int): This is a primary key for accessing the people information. It is an unique property.

N_Name(Char): Name of the needy people. It will help to identify person.

N_Phone(Varchar): Phone no. of people. It will help to identify person. It's a multivalue property.

N_Password(Char): Password of the needy people to access the website.

FamilyMember(int):No of members in the family of needy people.

Income(int):Amount of income monthly.

Location_X(float):Longitude of person location.

Location_Y(float):Latitude of person location.

Entity-3: Item

I_Id(int):This is a primary key for accessing item information.It is an unique property.

I_Name(Char):Name of the item.It will help to identify person.

Quantity(int):Quantity of the item.

Entity-4: Type

T_Id(int):This is a primary key for accessing the item type information.It is an unique property.

T_Name(Char):Name of the item type.It will help to identify item category.

Entity-5: Donation

D_Id(int):This is a primary key for accessing the donation information.It is an unique property.

D_Type(Char):Name of the donation type.It will help to identify donation category.

Entity-6: Charity Employee

E_Id(int):This is a primary key for accessing the employee information.It is an unique property.

E_Name(Char):Name of the employee.It will help to identify person.

E_Phone(Varchar):Phone no. of employee.It will help to identify person.It's a multivalue property.

E_Password(Char):Password of the employee to access the website.

E_Task(Char):Task of the employee.

E_Status(Char):Status of the employee task.

Entity-7: Donation Box

D_Id(int):This is a primary key for accessing the donation box information.It is an unique property.

D_Status(Char):Status of the availability of items.

Location_X(float):Longitude of donator location.

Location_Y(float):Latitude of donator location.

Relationship

We have to make the following relations among entities shown below.

Relationship-1: Approve

Admin approves needy people.

Relationship-2: Create Account

Admin creates Charity employees account.

Relationship-3: Register

Admin registers donation boxes.

Relationship-4: Deliver Donation

one employee can deliver donation to needy people.

Relationship-5: Collect

one employee can collect many items from donation to needy people.

Relationship-6: Receive Donation

one employee can receive many items from donation.

Relationship-7: Collect

one employee can collect many items from donation to needy people.

Relationship-8: Make

one donator can make many donations.

Relationship-9: Store

Several items can be stored from many donations

Relationship-10: Make

one donator can make many donations.

Relationship-11: Type

one item can be only one type.

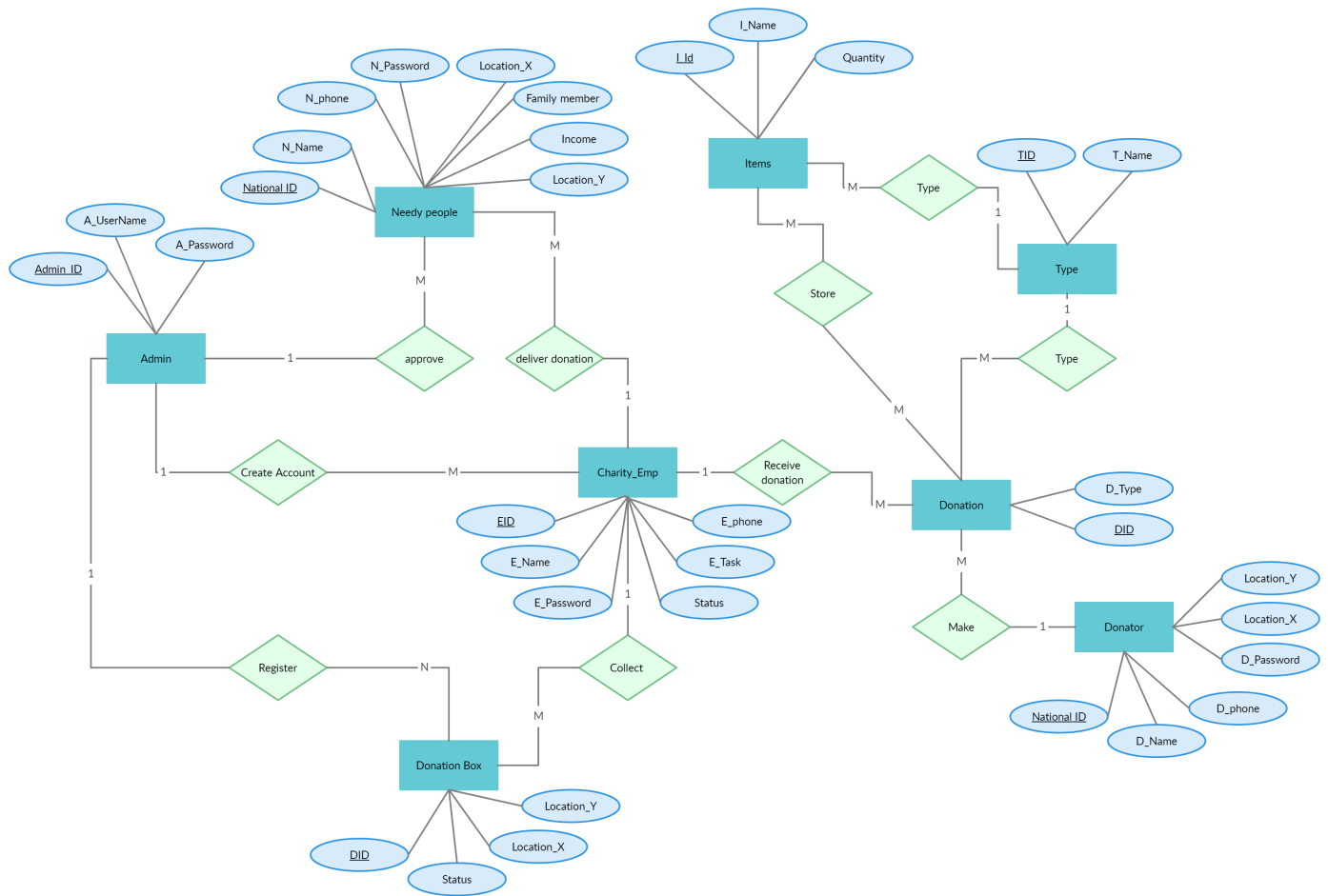


Figure 1: E-R diagram of Goods For All System

5 Conclusion

The main motto of the goods for all system is to make anyone's donation more easy and secure. People who are economically affected can request for goods from donators and charity employee will collect and deliver goods to needy people.