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Online Based Charity

Problem

There are many poor people who died due to lack of money. Most poor people are not asking for money in the streets. Giving cash directly to individuals in need certainly has appeal for its simplicity and indeed can be the best way in some circumstances, but in most cases, it competes with the value added by giving to a reputable. Some charities do not know those who do not want help for shame. But in online people can easily asked money in need. Some people want to donate money for poor but they don't because of trusted charity. But in online people can easily know where the money going and who need it. Many people want to donate money but they don't know about charity or trusted charity. Some charities don't have good and easy donate system and a donor want to donate money in such a easy way like mobile banking or money transfer system. Child labor remains a reality in slums in Bangladesh. Many families don't have a choice; they depend on the income earned by their children to keep food on the table. Charity can help those children to educate. In Bangladesh, many hospitals will simply turn children away and leave them to die or suffer serious complications from otherwise straightforward medical concerns. Many people want to help those but they don't know about this problem but they want to donate money for that. The charity will find those and help them in need.

Existing Solution

☐ Convenience, simplicity, and security are just a few of the exiting solutions of online donations. With a single click, our community can easily donate with their credit, debit card or electronic check, Bkash, Rocket account, online mobile banking. Many donors may not be able to attend a specific event or send a check directly. Having the option to donate online, allows them to give at any time, from any internet connected device. One of the biggest existing solution is the simplicity of tracking and managing donated funds. No more going to the bank to cash checks, counting bills, or handling large amounts of cash. Just login to your online donation portal and see how much money you've raised. Less cash handling also reduces risk by giving you full accountability, visibility, and control of your incoming donations.

☐ Holding a fundraiser can be an expensive endeavor that takes a large amount of resources and volunteer hours. Bringing your fundraiser online, takes a lot of the hard work and expense out of holding these events. Online fundraisers require minimal effort to start up. We won't need to plan out where to hold an event or coordinate volunteer hours. This means we can focus our efforts on creating excitement around the fundraiser within your community.

☐ Most people of our country are online in some fashion, whether for email, internet searches, or social media. Having a page online to collect donations makes it easy to share and promote the online. If we can make donating as easy as possible, our community will be even more enthusiastic about supporting our

cause. With the ease of online donations, more donors will be able to participate. Online donations can also allow people to set up automatic donations. Perhaps every few months, your donor wants to give a small amount of money until we have reached our goal. Many online services allow donors to set up recurring payments, so they don't have to write a check every time they want to make a donation.

Proposed Solution

 As there are many lacks in the current online charities, we have proposed a better solution. Our solution is given below by focusing on some facts.

 Donation Payments: The payment system should be as simple as possible for donors. There should be various payment methods like Credit/Debit card Payment, Mobile Banking, Bank Transfer etc. Visa and MasterCard certified local or international bank cards, bkash and Rocket as mobile Banking payment facilities.

 Offline donation collection: Another option of donation collection should be offline on-spot cash donation collection from donors. This donation collection will be campaign based. Campaigns will be weekly or monthly. Donation collection booths will be setup countrywide in these campaigns by the help of trustful volunteers.

 Online application form for help: In the website of the charity, there will be an application form available for asking help from the charity. The form will be filled up and submitted online. Who need serious help, he or some other on behalf of him can apply for financial help only for treatment purpose.

 Application verification: A skilled trustful comity will prepare a short list every week and forward it to the skilled and trustful verification comity. The verification comity will go for on spot justification every week and then prepare a verified list of applicants.

 Donation processing: In every week, the financial officials will be called up for a meeting. The verified list will be confirmed in the meeting and the donation will be handed over to the applicants.

 Maintaining transparency: The charity will publish the donor list on the website. The donor will be asked, if they want to keep their name secret. Else their name will be published with the purpose of financial help. So that everybody can trust the charity and get themselves inspired to donate so that other people can be helped. If the donor wants to keep his name secret, then only the amount and purpose of help will be published.
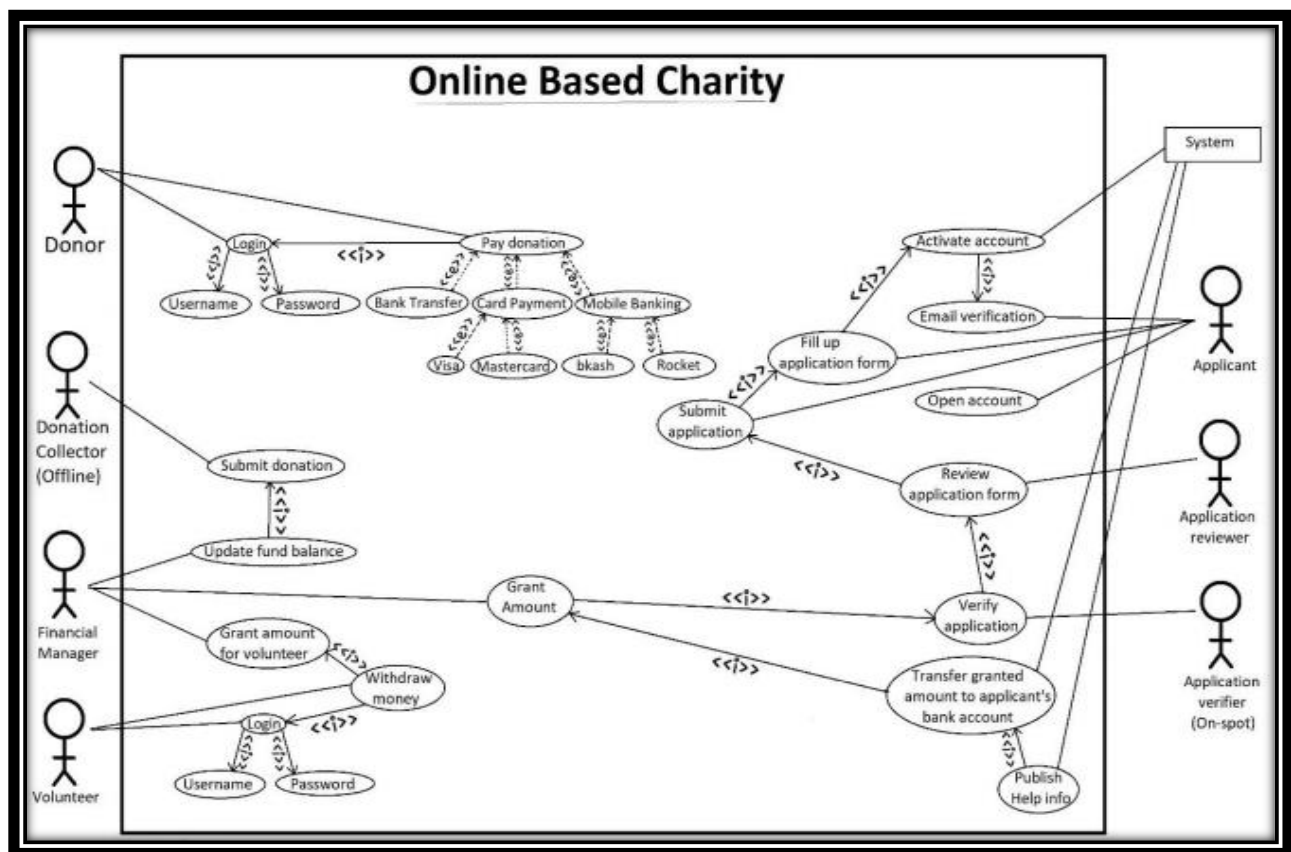
 Regular Help: The charity will keep a fixed amount of money if possible, only for the street children. They will be feed, taught and sheltered by the charity will this money.

 This is the proposed solution for the online based charities who want to help the poor to save their lives.

Use Case Scenario of proposed Solution

☐ Every donor will have an account in the charity website which can be logged in using username and password. Donor can pay donation by Mobile Banking Account like bkash or Rocket, Visa or MasterCard certified bank cards and Bank transfer. The offline donation collector will come to the financial manager and submit the collection of donations. The financial manager will add the money to the fund of the charity and update the current balance of charity account. Every applicant who needs financial help will also open an online account. He will be able to fill up the form after activating his account. Email verification is needed to activate account. Each application will be reviewed by application reviewer. The system will forward the reviewed application to a (skilled and trustful) application verifier who will verify the application after on-spot justification. Every verified application will be forwarded to the financial officials and they will grant the permission to hand over the money to the applicant. System will transfer the granted amount of money to the applicant's bank account. Then the system will ask the applicant if he doesn't want to publish his name in their website. If yes, the system will update the applicant's name, his purpose and the amount of given money. Else the system will say that applicant's name is anonymous and will update other information. Financial manager will grant some amount of money to a volunteer(s). The volunteer(s) will login using username and password to withdraw the money to help the street children.
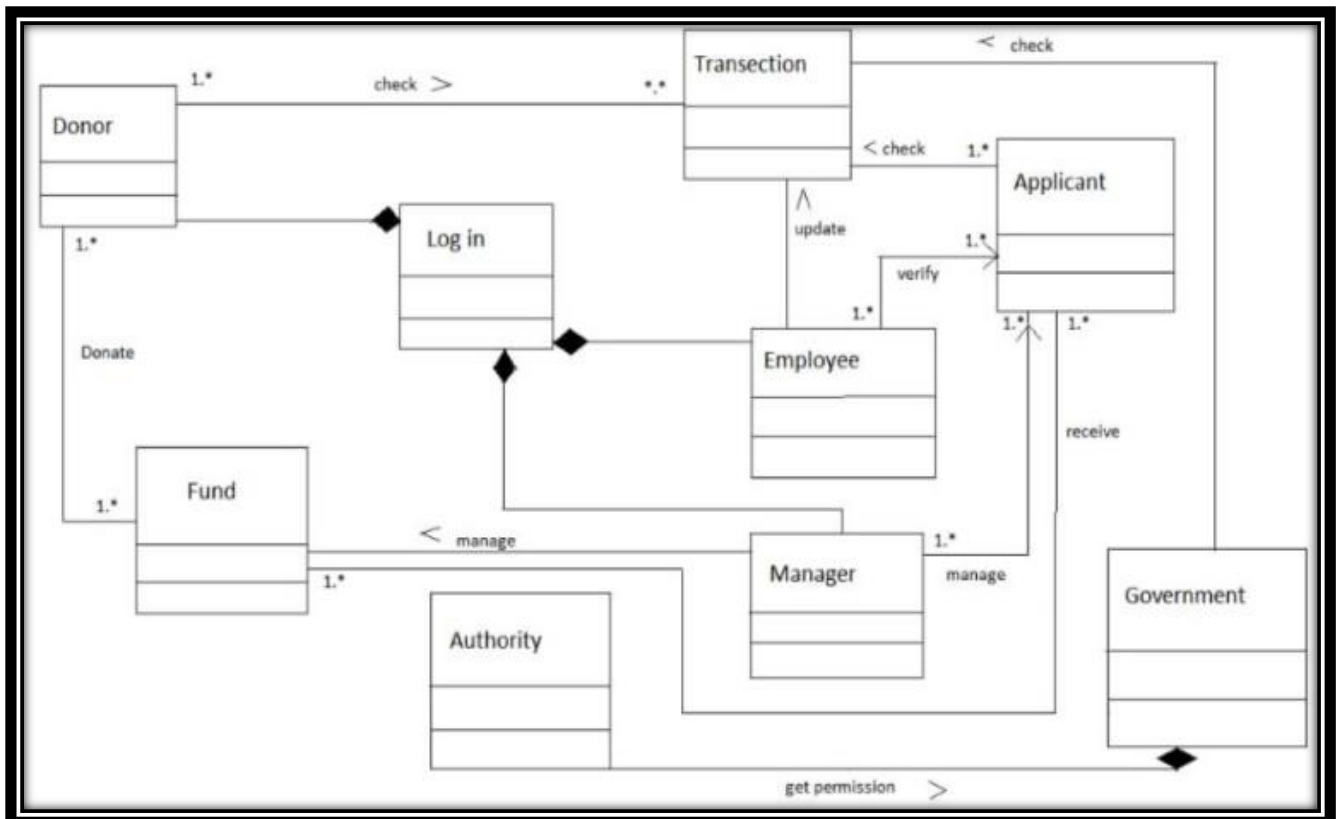
Use Case Diagram

Class Diagram Scenario

☐ Every donor, employee and manager must logged in.

☐ Donor can donate money as many time as donor want.

☐ Employee will verify the applications.

☐ Manager will manage to give money to applicants.

☐ Authority have to get permission from government.

☐ Every money transection will be updated in website.

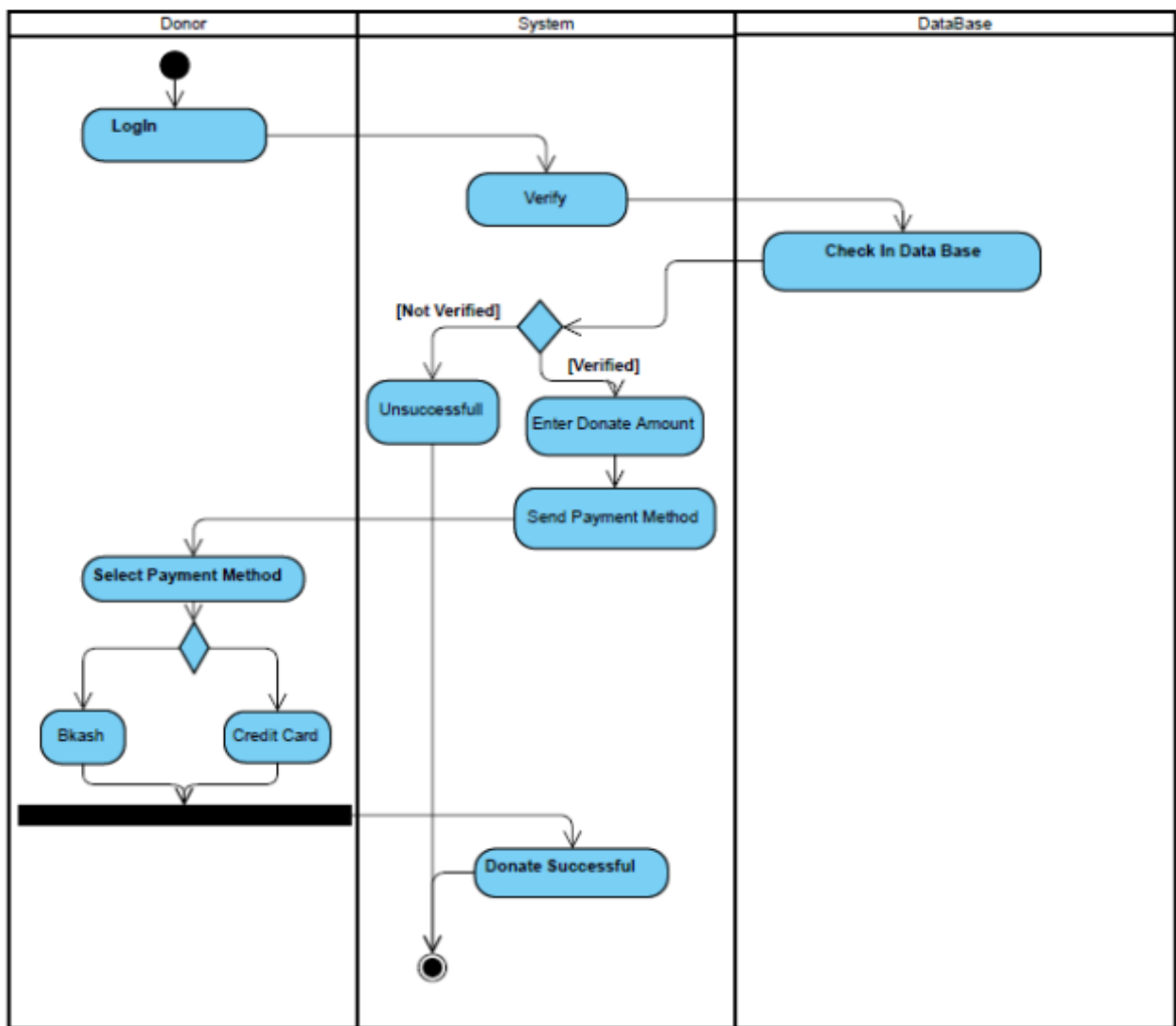☐ Every one can check the money transection.

Class Diagram

Activity Diagram Scenario 1 (Donor)

☐ In our system, Donors have to logged in to donate. Our system will verify the user from database. If the donor is verified, he will be logged in successfully. To donate, the system will ask him to enter donation amount. Then the system will ask for payment method. Donor have two option to pay one is Bkash and the other is credit card. By that they can easily pay money successfully.
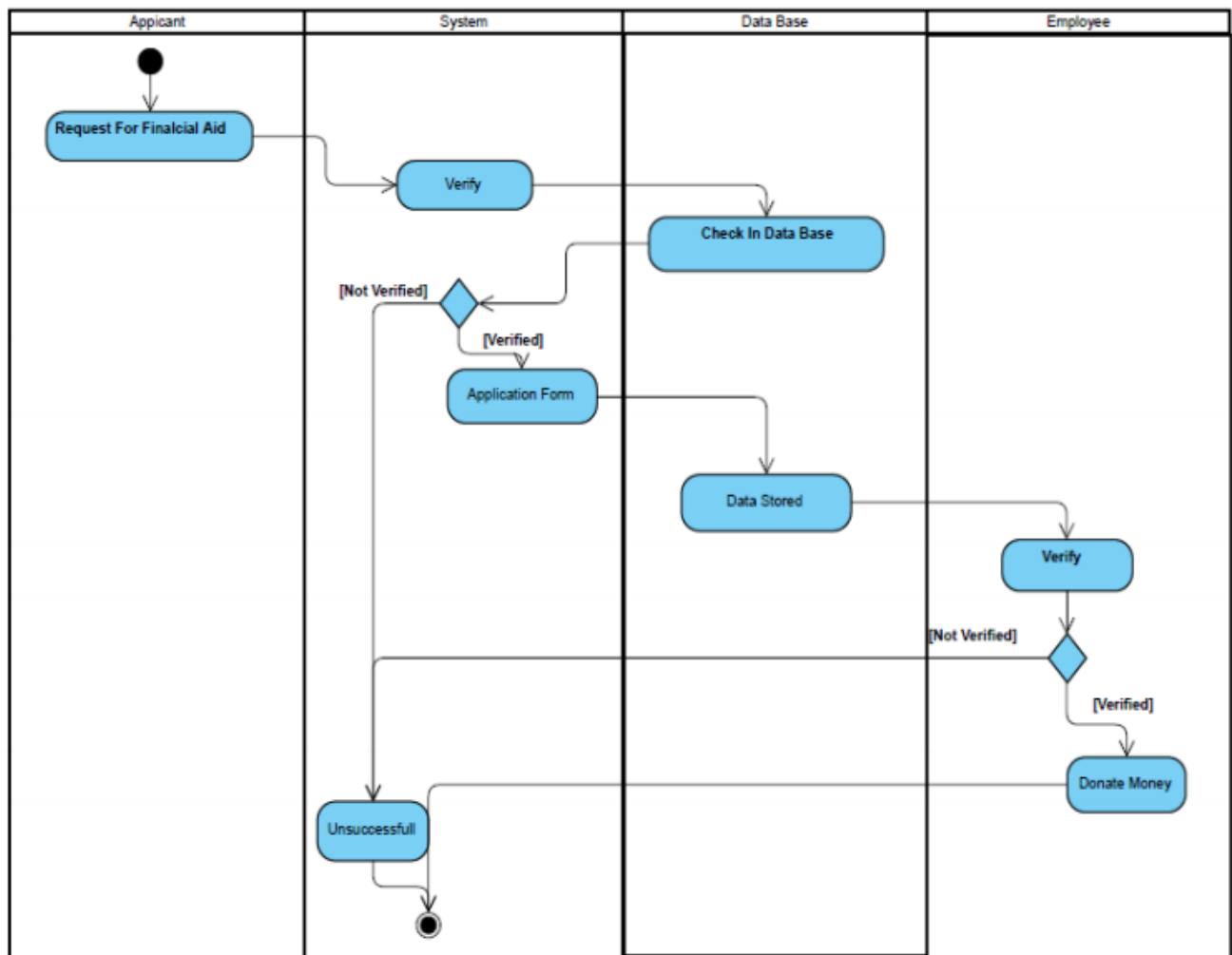
Scenario 1 Diagram

Scenario 2 (AID Application)

☐ Applicants will log in by username and password. If the username and password are valid according to Applicant Database, the user will be logged in successfully. Applicant can request for financial aid, system will ask him to fill up application form. and the form will stored in the database. Employee verified the stored form from database. After successful verification the applicant can get money from system.
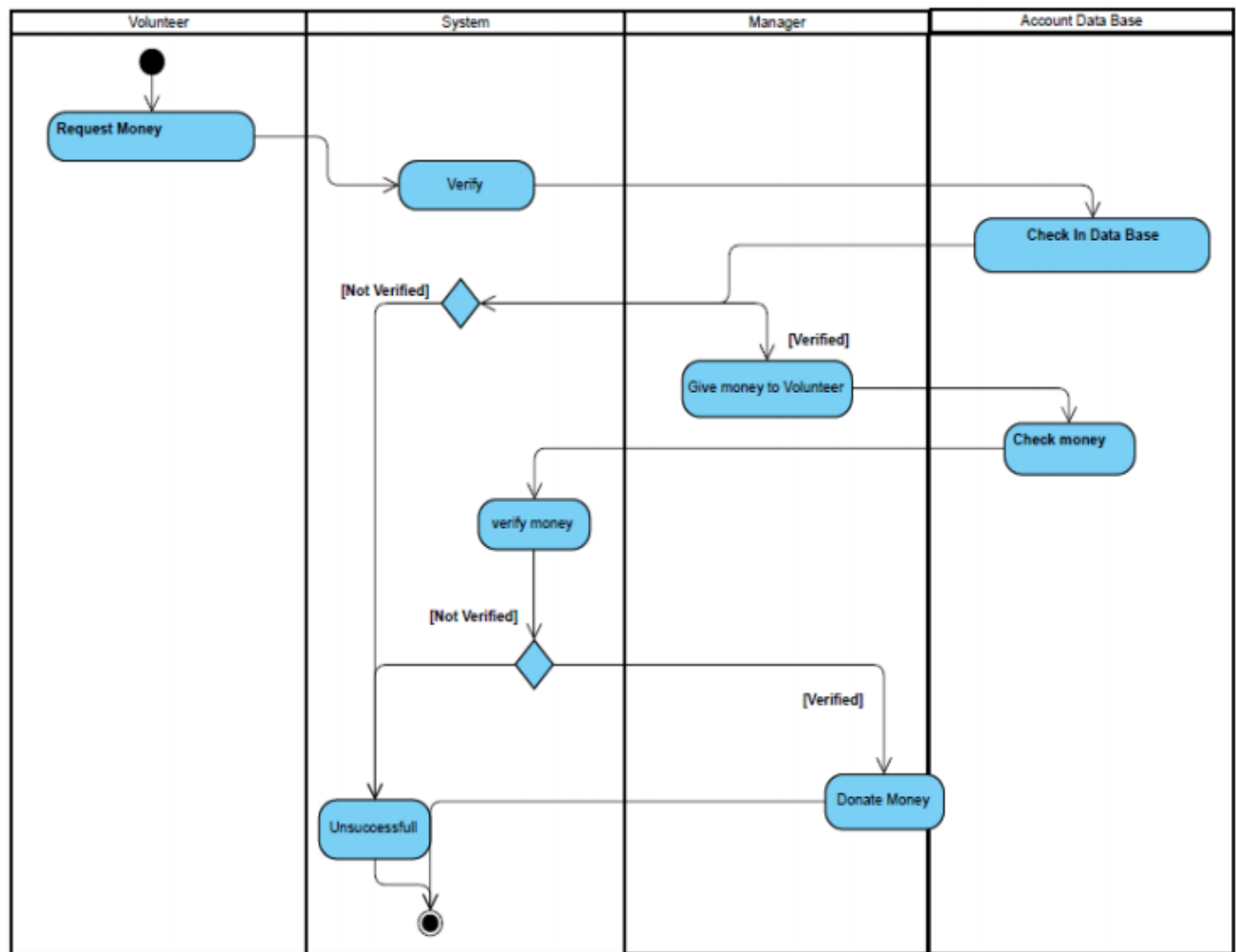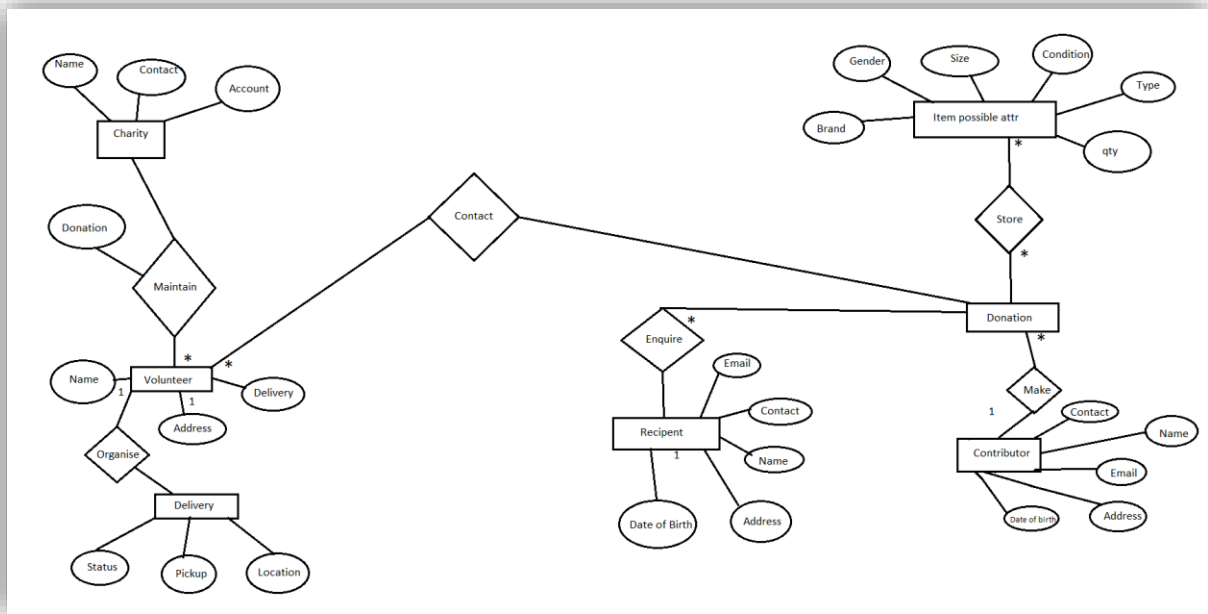
Scenario 2 Diagram

Scenario 3 (Volunteer's Money Grant)

☐ Volunteers have to login and claim withdrawal amount to the system for the granted money. Financial manager will grant volunteer some amount of money. The account database will be request for amount verification. If the amount is less than or equal to the granted amount, the system will transfer the requested amount to the volunteer. If the verification in not valid then the transaction will unsuccessful.

Scenario 3 Diagram

ER Diagram

Effort Estimation

Our Project is an organic type of project. So, the values will be as follows

Project Complexity, P = 1.05

SLOC dependent Coefficient, T = 0.38

Coefficient<Effort Factor> = 2.4

SLOC = 4000

Effort = PM = Coefficient *(SLOC/1000) ^P

$$=2.4*(4000/1000) \char`\^1.05$$

$$=10.29$$

Development time = DM =2.50*(PM)^T

$$=2.50*(10.29) \char`\^0.38$$

$$=6.06$$

Required number of people = ST = PM/DM = 10.29/6.06 =1.69 =2 People

SOFTWARE DEVELOPMENT LIFE CYCLE

Process Model:

The nature of the software that we are going to develop is organic. That's means this software is relatively small, simple software projects in which a small team with good application experience work to develop. Because our software is small and have small team member.

For our software development we are going to use Extreme Programming (XP) method.AS far we know that Extreme Programming (XP) is an Agile software development methodology that is intended to improve software quality and responsiveness to changing customer requirements. It shares all Agile principles. In our software development, we use this method so that we can add or changes any requirement or feature easily in future. Because our software is online based software and there is high possibility to get new feedback from the customer. So , to add these new feature or feedback in our software we need this method. Even we can easily fix bugs. So we think it is very suitable method to develop out software than other method. Because here we can easily change or add any feature in the future.

Project Roll Identification and Responsibilities

1.Project Manager: A project manager is a person who has the overall responsibility for the successful initiation, planning, design, execution, monitoring, controlling and closure of a project. A project manager is a person who is responsible for making decisions, both large and small.

2.Programmer or developers: The main work for programmer is to keeps the program code as simple and definite as possible. They will be playing a key role in the design, installation, testing and maintenance of software systems.

3.Tester: A Software Tester is responsible for designing testing scenarios for usability testing. A tester is responsible for conducting the testing, thereafter analyze the results and then submit his observations to the development team.

Thank You