

# METROPOLITAN STATE UNIVERSITY BACHELOR OF SCIENCE IN COMPUTER SCIENCE

#### FINAL YEAR PROJECT REPORT

**Transaction for Non-Profit Organization** 

**STUDENTS NAMES:** 

**Ans Khan** 

**Abdul Hazari** 

**Muhammad Sohail** 

December 2019

"I hereby declare that I have read this project report and in my opinion this
report is sufficient in terms of scope and quality for the award of the degree
of Bachelor in Computer Science

Signature	:
Supervisor	:
Date	:

#### FINAL YEAR PROJECT REPORT

## **Transaction for Non-Profit Organization**

#### **STUDENTS NAMES:**

#### Ans Khan

#### **Abdul Hazari**

#### **Muhammad Sohail**

A report submitted in partial fulfillment of the requirements for the award of the Bachelor of Science in

"Computer Science and Computer Information Technology" Major taken

College of Science,

**Computer Science and Cybersecurity** 

December 2019

#### **DECLARATION**

I declare that this thesis entitled "Transaction for Non-Profit Organization" is the result of my/our own research

except as cited in the references. The report has not been accepted for any degree and is not concurrently

submitted in candidature of any other degree.

Signature : .....

Name : Ans Khan, Abdul Hazari and Muhammad Sohail

Date : 12/03/2019

#### **ACKNOWLEDGEMENT**

We want to express our gratitude to all the people who help us throughout this semester for the completion of this project.

We also would like to thank our Professor Dr. Ismail Bile Hassan to guide us throughout this project by giving us feedback and guidance.

Last but not least, we thank each other for all the hard work we did in order to complete this project successfully.

#### **ABSTRACT**

For this project a website is being developed for making the donations for any non-profit organization. The goal was to make a user friendly website that is easier to use.

The project requirements study collected information about how the website can be more user friendly and how it can solve the problem. A prototype was created from the research and then evaluated with the teacher.

The prototype was then implemented into a website.

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#### 1. Introduction

This project is for senior students of Bachelor of Science in Computer Science and Information Technology by Ans Khan, Abdul Hazari and Muhammad Sohail. The project is done for the Metropolitan State University's class ICS 499-01 which was taught by Dr Ismail Bile Ismail

The system that was created for this project was to provide a user friendly interface to make donations for any non-profit organization. The system concerns with an application that does transaction management for any non-profit organisation, that gets funding from individuals.

Any non-profit organisation can be chosen and money can be transferred to that specific organisation or NGO, and the method of the transaction can only be processed by adding or selecting credit cards

#### 2. VISION AND BUSINESS CASE AND SCOPE

#### 2.1 Vision

To provide an easy to use application that can help in transaction management of individuals for various organisations. With this application in hand there is no use for individuals to go on to different websites of organisations and make donations.

This application will be served as a common platform for individuals to make donations to various organisations..

#### 2.2 Business Case

It will be beneficial for the donor and the organizations that it will save them as it will serve as the only website for different organizations to accept donations from the donors. It will save time for the donors as they don't have to spend looking for the website and it will be cost efficient

#### 2.2 Scope

The donors will be able to register and login to the website to make donations and will be able to manage their accounts as well as see the donations they have made to their choice of the non-profit organization.

The donors or users will add their credit cards, organisation name which they want to donate to and the amount to be donated so that they can make the transaction to the organization.

# 3. Feasibility Studies

The application will be web-based for the users. We are planning to have a public survey which will help us include more functionality to this application and make is better and easy to use.

## 3.1 Proposed System Functionalities

The system will contain these functionalities:

- 1. Sign up and Sign in.
- 2. Pick an organization of their choice.
- 3. Amount of money they want to donate.
- 4. Choose the Payment Method.
- 5. Make the payment.
- 6. Get the confirmation after making the payment.

#### 3.2 Problem Statement

The problem we planned to solve is by creating a website that can be used for the donation of different non-profit organization as it contains different non-profit organizations info which can be chosen and made payment towards.

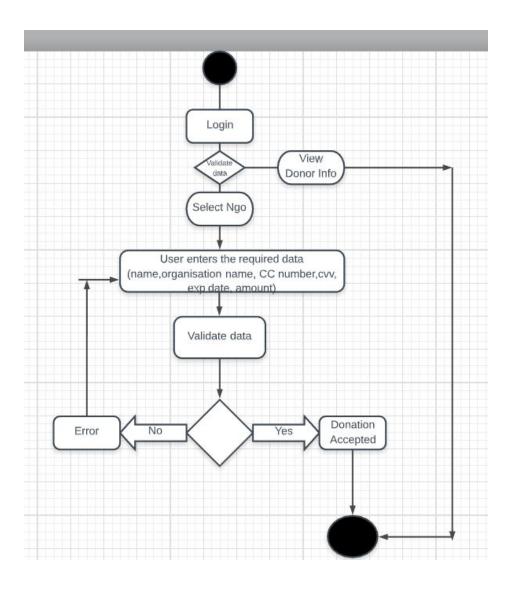
## 3.3 Goals

The goal of this project was to create a system that was to provide a user friendly interface to make donations for any non-profit organization. The system concerns with an application that does transaction management for any non-profit organisation, that gets funding from individuals.

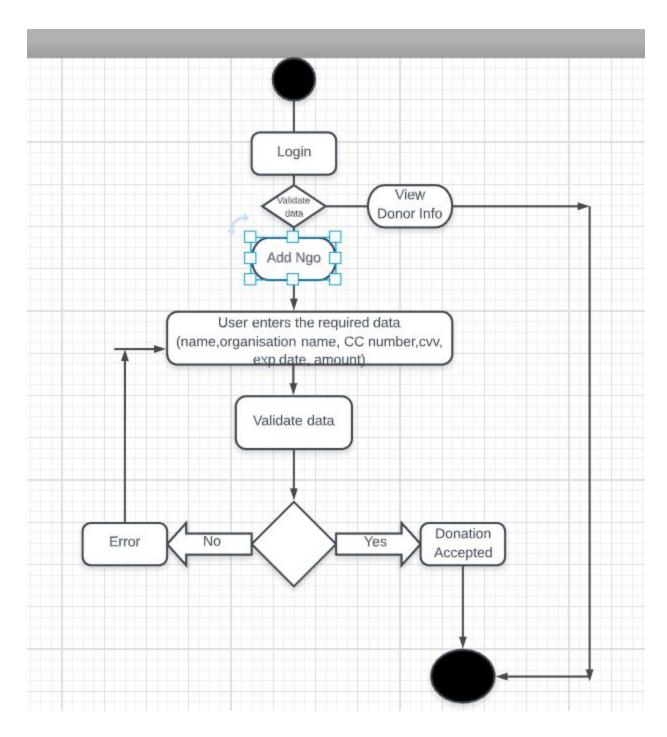
# 4. Detail Design

# 4.1 Activity Diagram

Below is the activity diagram for the system donor Transaction for Non-Profit Organization.



Below is the activity diagram for the system admin Transaction for Non-Profit Organization.



# 4.2 Prototype

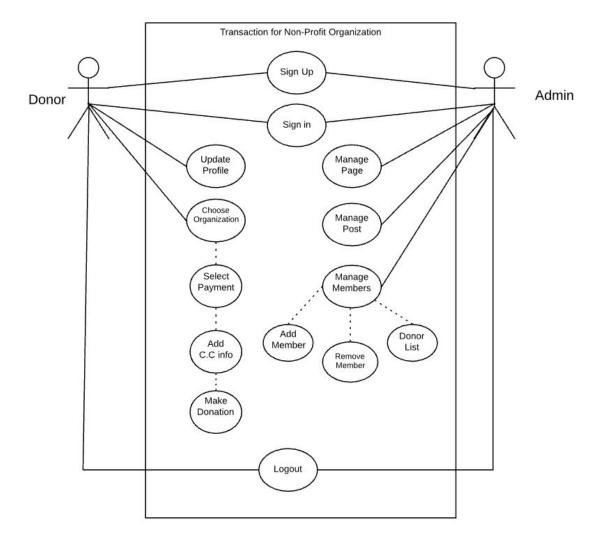
Below is the prototype of the system that we gave in the previous presentations:



# 5. System Design

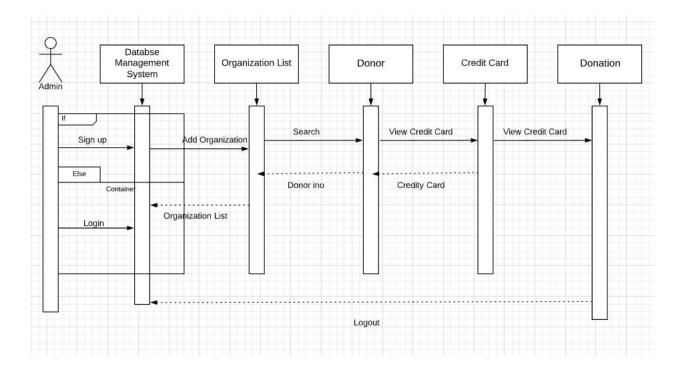
# **5.1 Use Case Diagram**

Below is the use case diagram for this project: Transaction for Non-Profit Organization:

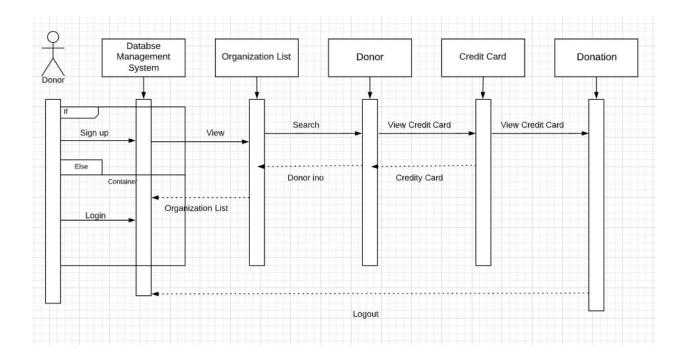


# 6. Sequence Diagram

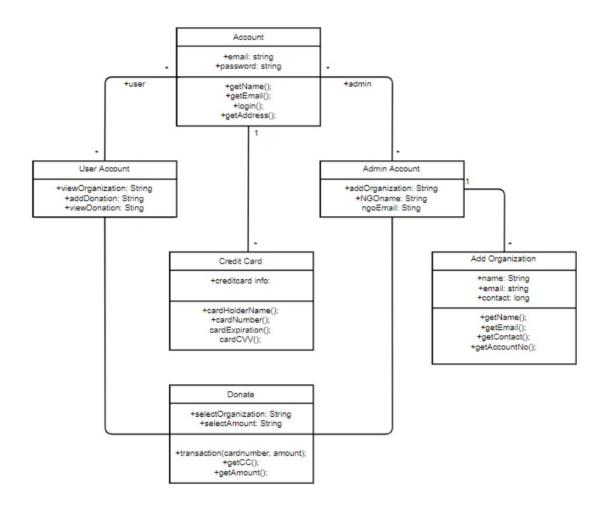
Below is the sequence diagram for admin:



## Below is the sequence diagram for donor:

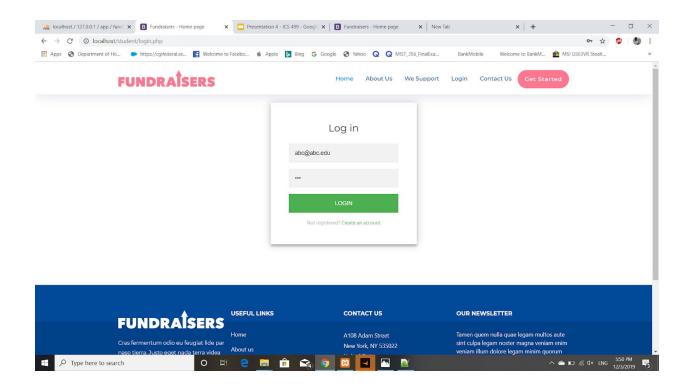


# 7. Class Diagram

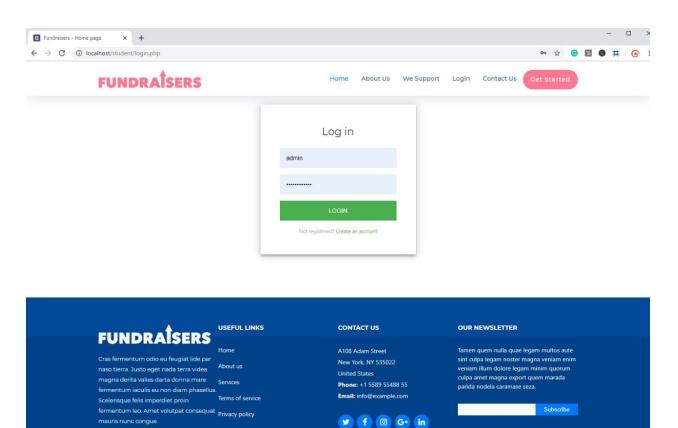


# 8. Project System

# 8.1 User login

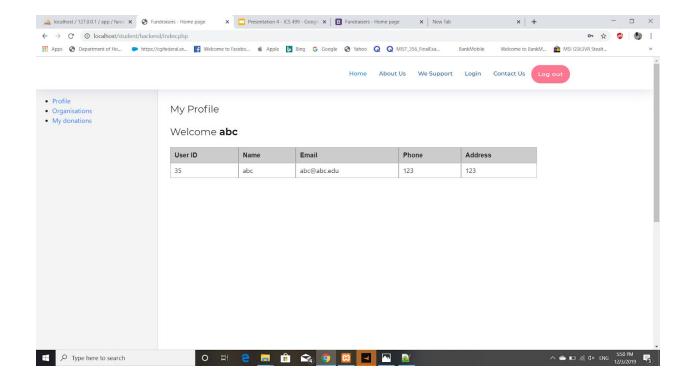


## 8.2 Admin login

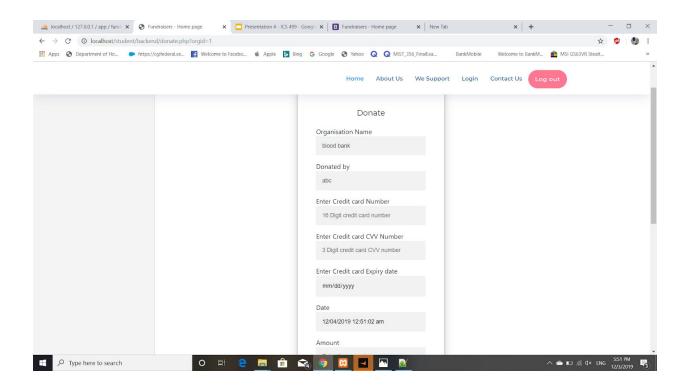


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## 8.3 User Profile:



# **8.4 Donation Page**



# 9. System Requirements

## 10.1 Software Requirements

• Operating System: Windows 7, 8 10 or Mac

• Frond End: HTML, PHP, CSS

• Back End: PHP, Database

## **10.2 Hardware Requirements**

Laptops, PCs and Phones

## 10. Modification

- First we were implementing the project on Java, but we decided not to do it.
- We took some functionality out for example payment by Paypal.

# 11. Limitations and Future Enhancements

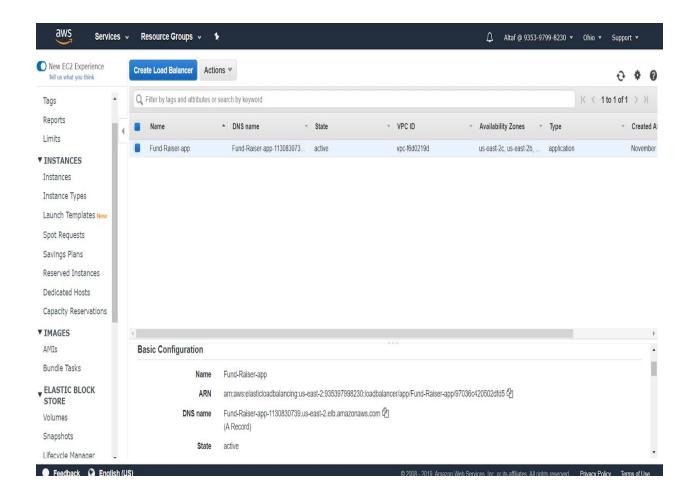
This website is very limited when it comes with payment method as the only method that works is the Credit Card method so, new or different methods can be introduced in the future.

# 12. Project Timeline

09/14/2019	Met the first time and worked on what we will be doing for the project.
09/15/2019	Assigned the project duties to what each person will be doing.
09/27/2019	Worked on sequence diagrams.
10/03/2019	Worked on the front end code and back end (User Interface)
10/08/2019	Worked on making the iteration.
10/22/2019	Worked on the front end
11/2/2019	Added functionalities to the front end.
11/9/2019	Worked on the Diagrams
11/18/2019	Worked on Database
11/28/2019	Review of everything/ Report

# 13. Conclusion

The goal of this project was to build a website that serves as an only website for different non-profit organizations where donors can go and make payments to their choosing of organization. The subgoals were to build a user-friendly interface and a system that can be used for different organizations.



The AWS deployment of the website can be accessed through the

URL:Fund-Raiser-app-1130830739.us-east-2.elb.amazonaws.com

# 14. Appendix

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                                              <div class="button-text-center"><button type="submit" id="button-msg" title="Send Message">Send Message</button></div>
                                  </div>
                              </div>
                  </main>
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                       session_start();
                       require_once('conn.php');
if(isset($_POST['save']))
                              $email = $_POST['email'];
$password = md5($_POST['password']);
$$q1 = "SELECT * FROM fundraisers where email='$email' AND password='$password'";
if($result = mysqli_query($conn, $sql))
                                        if (mysqli_num_rows($result)>0)
                                      // 5_SESSION["username"] = $row['name'];
// ccho "<script>window.location.href='super_admin/user.php'</script>";
// )
} else
echo "<script>alert('Check your username & Password')</script>";
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