

## IDENTIFICATION OF SCAMS OF CHEQUES

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### **Abstract:**

Scams of cheque is being most common attacks done by the fraudsters against consumers. Currently, there is no effective solution to validate cheque and check fake ones instantly. The bank requires a lot of time or a day to detect and eliminate the scam. More effectively, our methodology helps the banks to send information about provided cheque and used ones, by securing user's credential. Fake cheque come in many forms. They might look like business or personal cheque, cashier's cheque, money orders, or a cheque delivered electronically. Charity trust have their Register login and approved by main branch and charity needed send to user and if user need to help charity they can help by give cheque to charity which passed to bank and amount is transaction to charity and the details about charity amount transaction will send to main branch and maintained by main branch. If response received from concern customer only, transaction will be happened. If the fake check was detected, then the details of customers which been accessed, will be encrypted using SHA -1 algorithm. So that The user's credential will be safe. The theft user account will be removed by the Admin.

**Keywords :** Charity , Bank, Public , login ,Admin,SHA -1,Encryption.

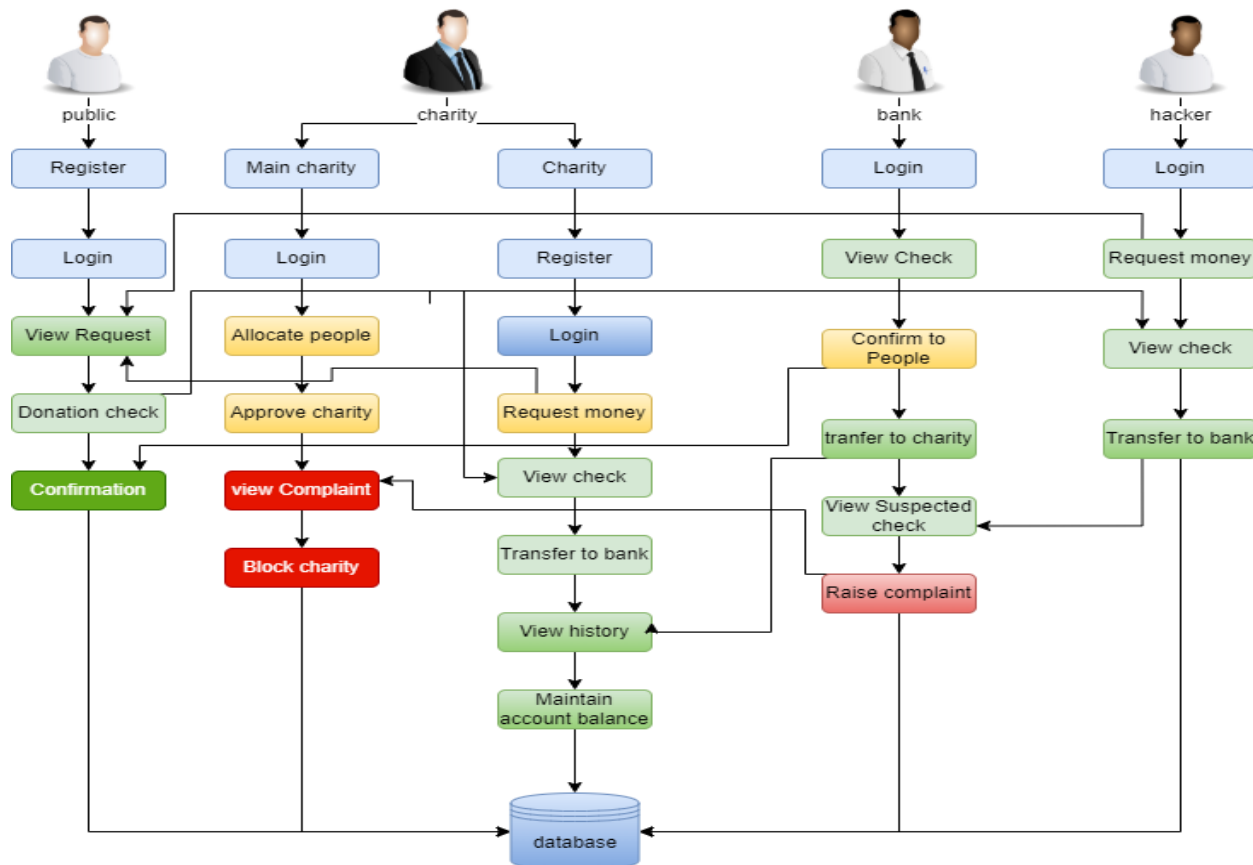
### **I.INTRODUCTION**

Nowadays ,there is an increase in number of scams of cheques in banking sector particularly fund transfer in the charitable trust .These kinds of scams is arises due to the unauthorized charitable trust and data theft of the user . The scope of our project is mainly focused on the people who transfer their fund to the charitable trust .We can prevent the scams of cheque by removing the unauthorized account and securing user's data. It's very difficult to manipulate the blockchain. In this project bank will return the cheque leaf to the customer when bank find the charity is fake. Before paying a cheque, each bank (Cashing-Bank) must ensure that the cheque was really provided by a trusted authority (another bank). This verification would be feasible if each bank share information about its provided cheques. In other words, when a bank provides a chequebook to a customer, it shares the information about the customer and about the provided cheques. Thus, it is necessary to design a sharing system that ensures the non-exposure of people data to other fake charity.

## II. PROPOSED WORK

It provides an interface for the login page , There are three ways of login - Admin login , Trust login , User login . the new user access to register their information to login , when the user the login in to the page . The home page displays all post done by the trust , if the user clicks the post . they are allowed to fill the cheque details the request access sent to the user , after the verification , It is redirected to the banking server.Trust users allows to fill the details about their trust , the request has been sent ,after accessing the request . Trust users can update their post .if the unidentified users login as a trust user to the webpage by breaking the code . The message has been sent to the admin . The user credentials are encrypted through AES algorithm .The account will be removed by the admin without further notice.

## III. MODULES



### **1. CHARITY REGISTER:**

The register module provides a conceptual framework for entering data on those charity in a way that: eases data entry & accuracy by matching the charity entry to the data source (usually paper files created at point of care), ties easily back to individual charity records to connect registers to charity data, and collects data elements to enable better supervision of donation programs.

### **2. CHARITY LOGIN:**

In this module in our project, here symbolizes a unit of work performed within a database management system (or similar system) against a database, and treated in a coherent and reliable way independent of other transactions.

### **3. CHARITY REQUEST:**

In this module is used to help to the user to Request for donation with the land longitude and the user will update the report along with their opinion and the will be stored the database.

### **4. CHARITY REQUEST VIEW:**

In this module the charity will also view the request. And analysis the details will be responsible for your file stored in database.

### **5. CHARITY DONATION VIEW:**

In this module the charity will also view the donation. And analysis the details will be responsible for your file stored in database.

### **6. BANK RESPONSE VIEW:**

In this module the charity will also view the donation. And analysis the details will be responsible for your file stored in database.

### **7. VIEW ACCOUNT BALANCE:**

In this module the charity will also view the account balance. And analysis the details will be responsible for your file stored in database.

## **8. PUBLIC REGISTER:**

The register module provides a conceptual framework for entering data on those charity in a way that: eases data entry & accuracy by matching the charity entry to the data source (usually paper files created at point of care), ties easily back to individual charity records to connect registers to charity data, and collects data elements to enable better supervision of donation programs.

## **9. PUBLIC LOGIN:**

In this module in our project, here symbolizes a unit of work performed within a database management system (or similar system) against a database, and treated in a coherent and reliable way independent of other transactions.

## **10. VIEW CHARITY REQUEST:**

In this module the charity will also view the request. And analysis the details will be responsible for your file stored in database.

## **11. RESPONSE (BANK):**

In this module is used to help to the public to donation the amount with the land longitude and the public will update the report along with their opinion and the will be stored the database.

## **12. ADMIN LOGIN:**

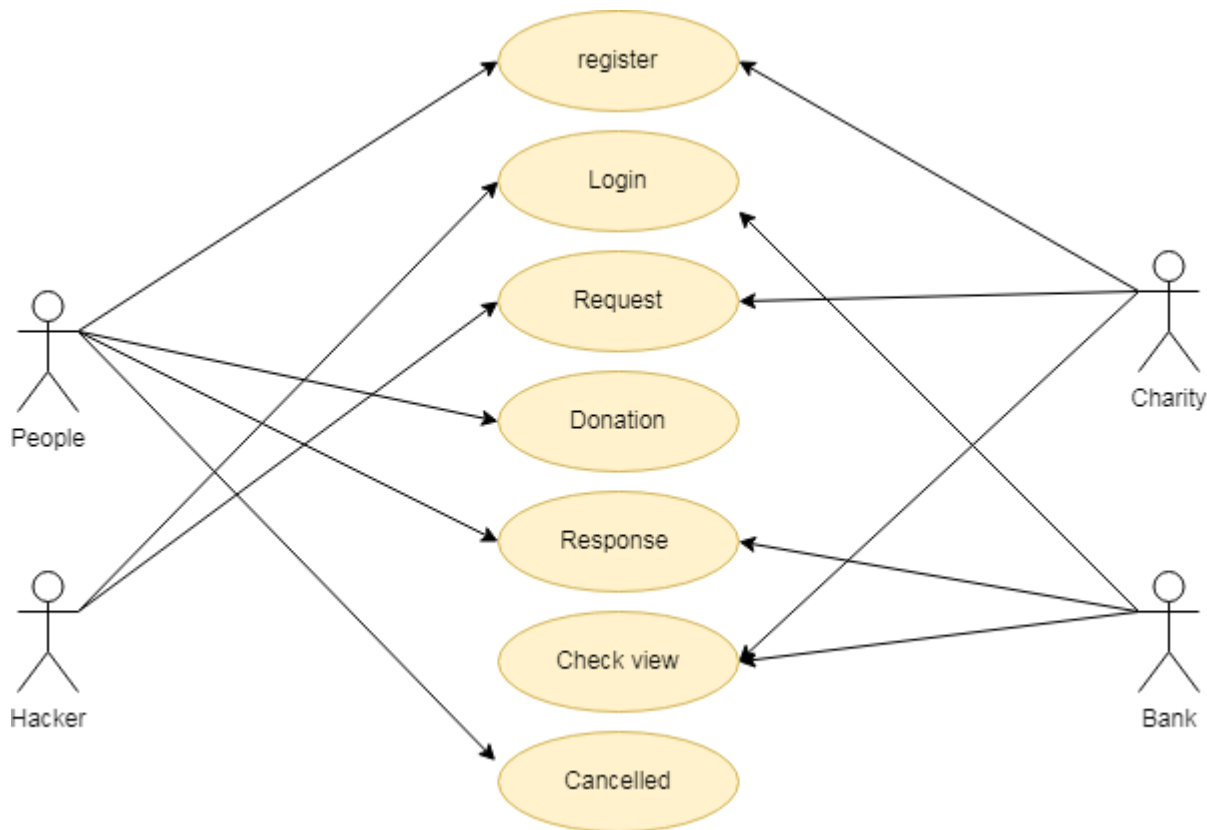
In this module in our project, here symbolizes a unit of work performed within a database management system (or similar system) against a database, and treated in a coherent and reliable way independent of other transactions.

## **13. VIEW CHARITY REQUEST:**

In this module the charity will also view the request. And analysis the details will be responsible for your file stored in database.

## **14. RESPONSE:**

In this module the bank will response the data file fully analyzed data in category wise view Bank will be responsible for your file stored in database.



#### IV.ALGORITHM USED

##### SHA ALGORITHM:

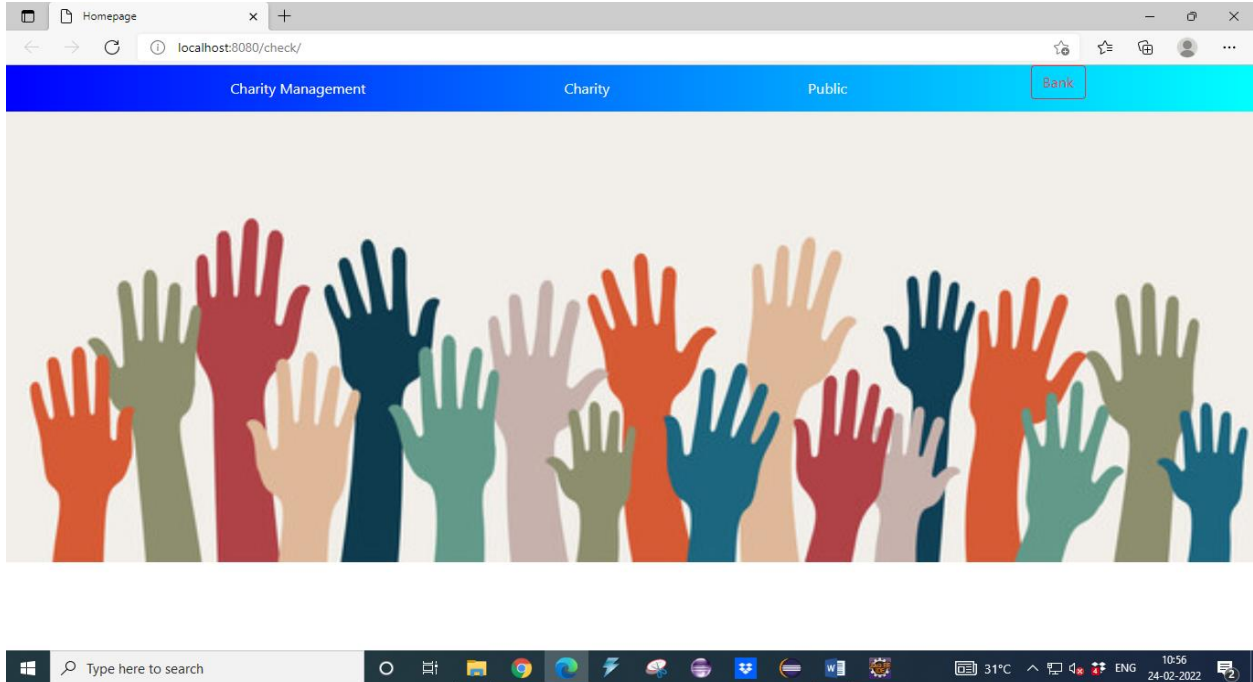
The SHA-1 algorithm is a crypt-formatted hash function . The smaller value can be taken as an input . and gives a output of string value of 120 bytes otherwise known as 20-byte hash value long. The hash value which been auto generated, is known as a message digest . The output will be in the form of Hexa decimal 40 digits long .

##### Uses of SHA Algorithm:

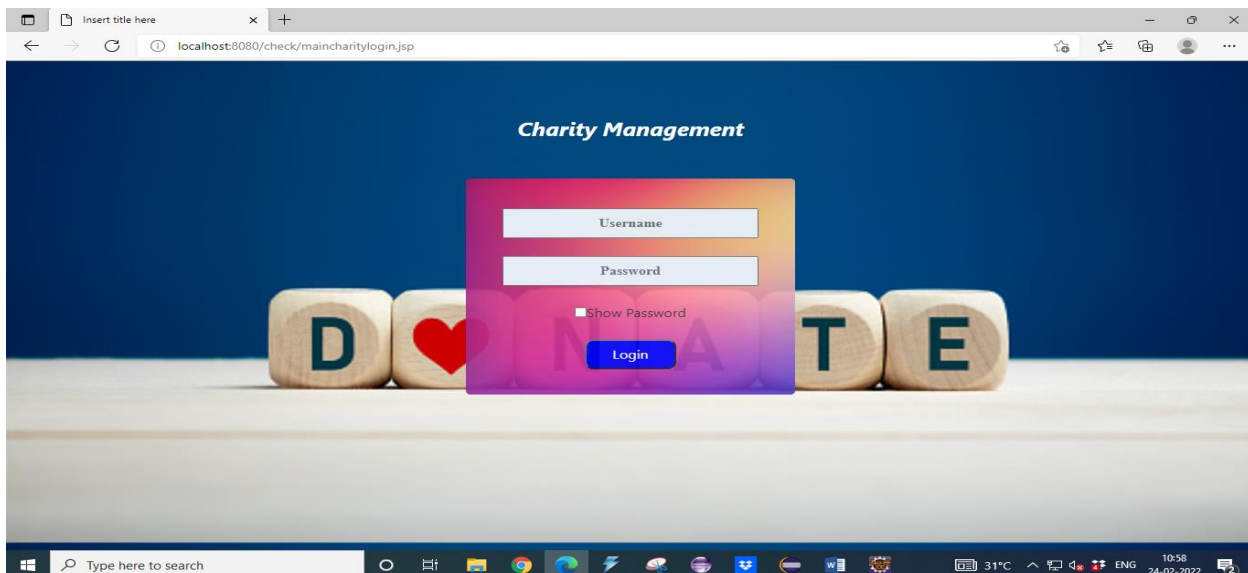
These SHA algorithms are mostly commonly used in security protocols and applications, including the ones such as TLS, PGP, SSL and S/MiME. These algorithms plays a unique roles in encryption and coding standards which is mainly aimed to see the functioning and working of majorly all governmental as well as private organizations and institutions.

## V. SNAPSHOTS

### Main page :

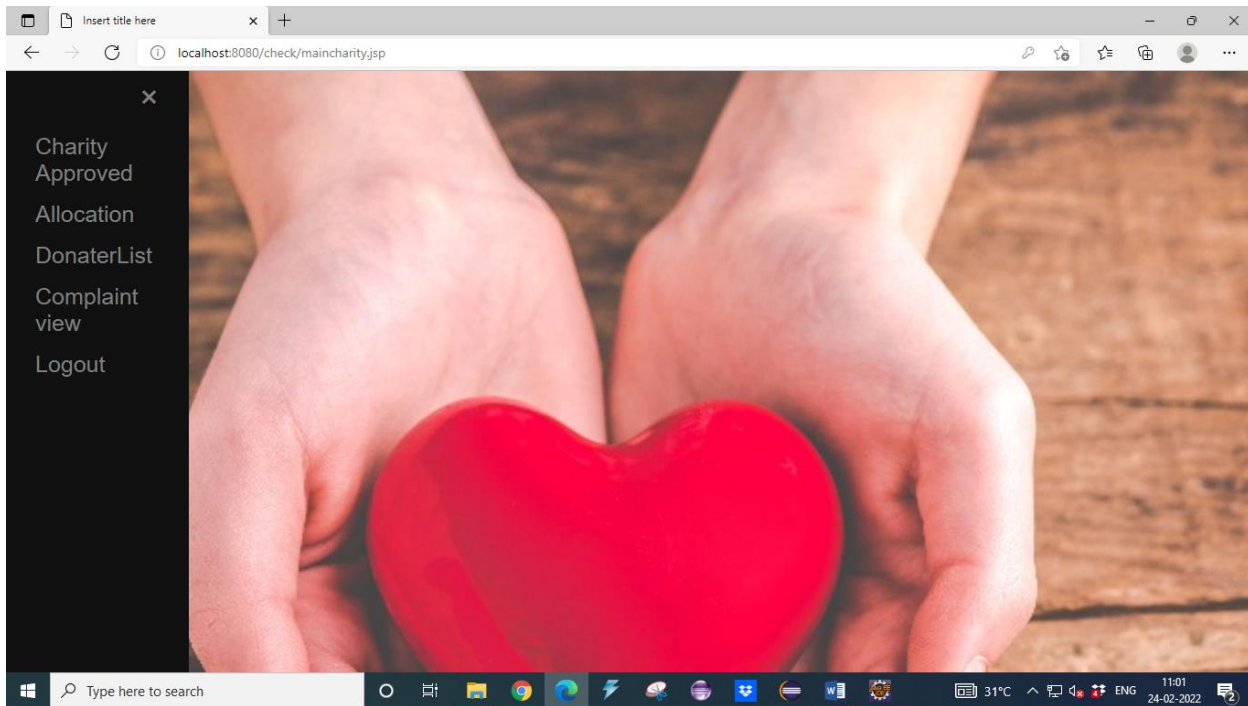


### Charity Management Login:

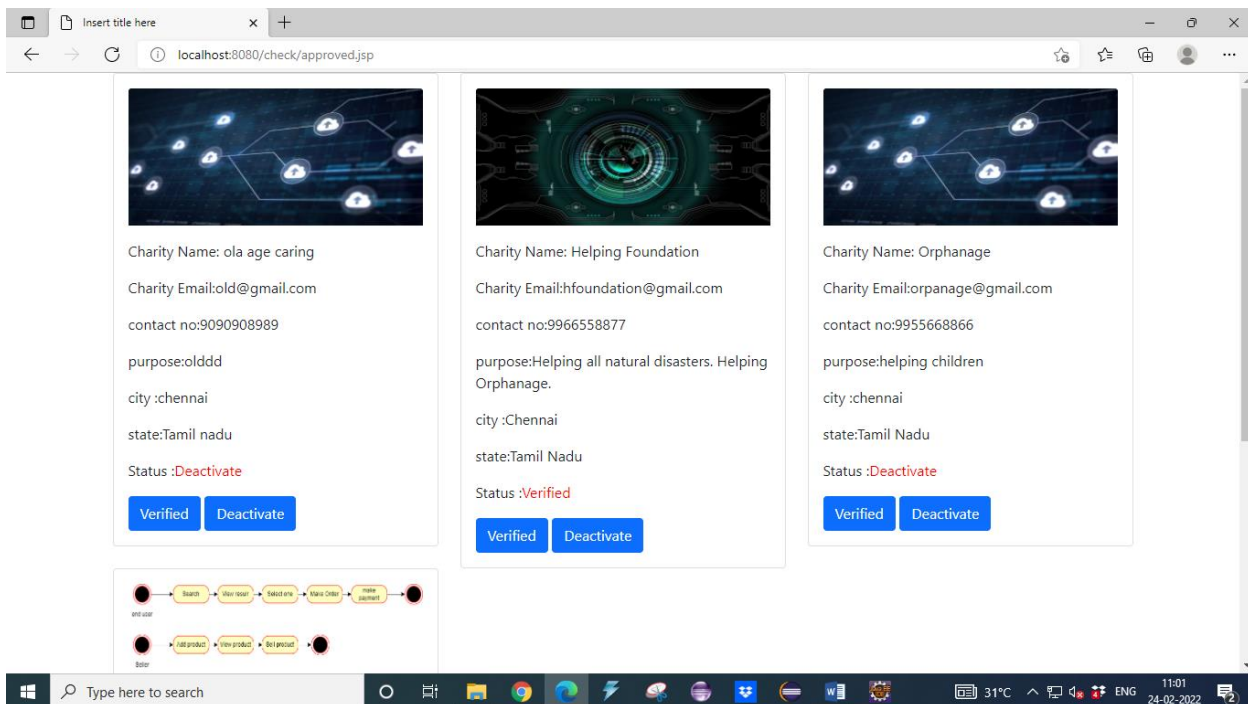




## Charity Mainpage:



## Charity Approve Page:



## Charity Complaint View:



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Meassage	Charity mail	People Email	Charity Name	Deactivate Account
Duplicate charity name Detected	old@gmail.com	vengat@gmail.com	Old age home	<a href="#">Charity List</a>
Duplicate charity name Detected	orpanage@gmail.com	john@gmail.com	Orphanage Home	<a href="#">Charity List</a>



## Charity Register Page:

### Charity Register Details

Charity Name:

Enter Charity Name

Charity Email:

Charity Email

Contact Number

Contact Number

ABOUT INFO

City

City

State

State

password

Enter Password

Charity Upload photo:

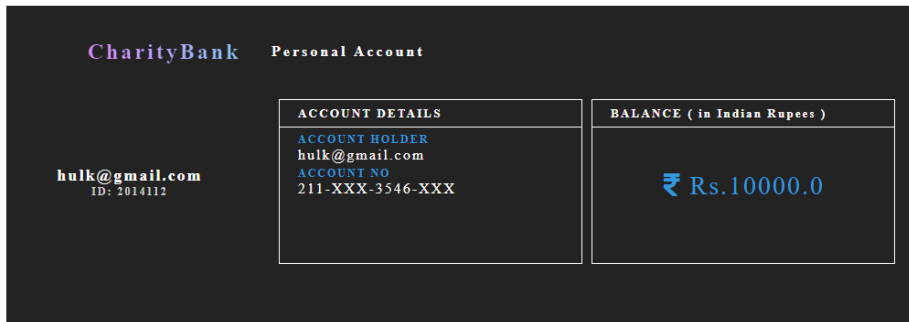
Choose File

No file chosen

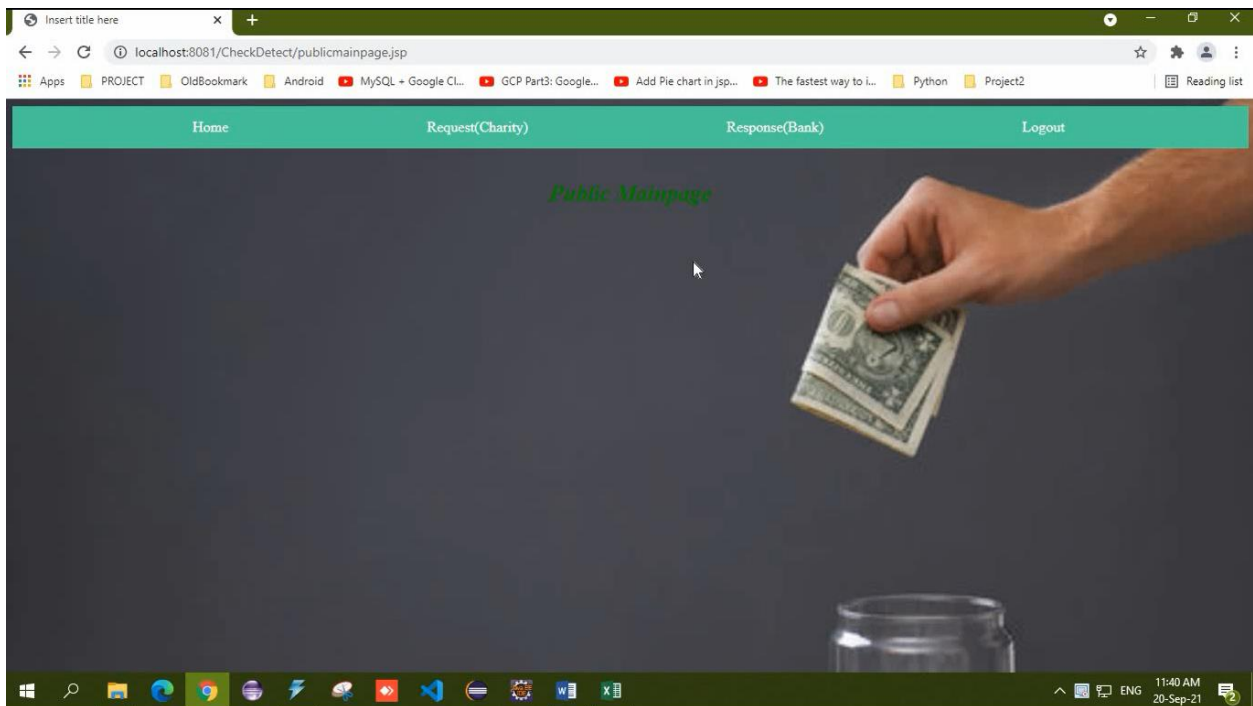
Your selected File:

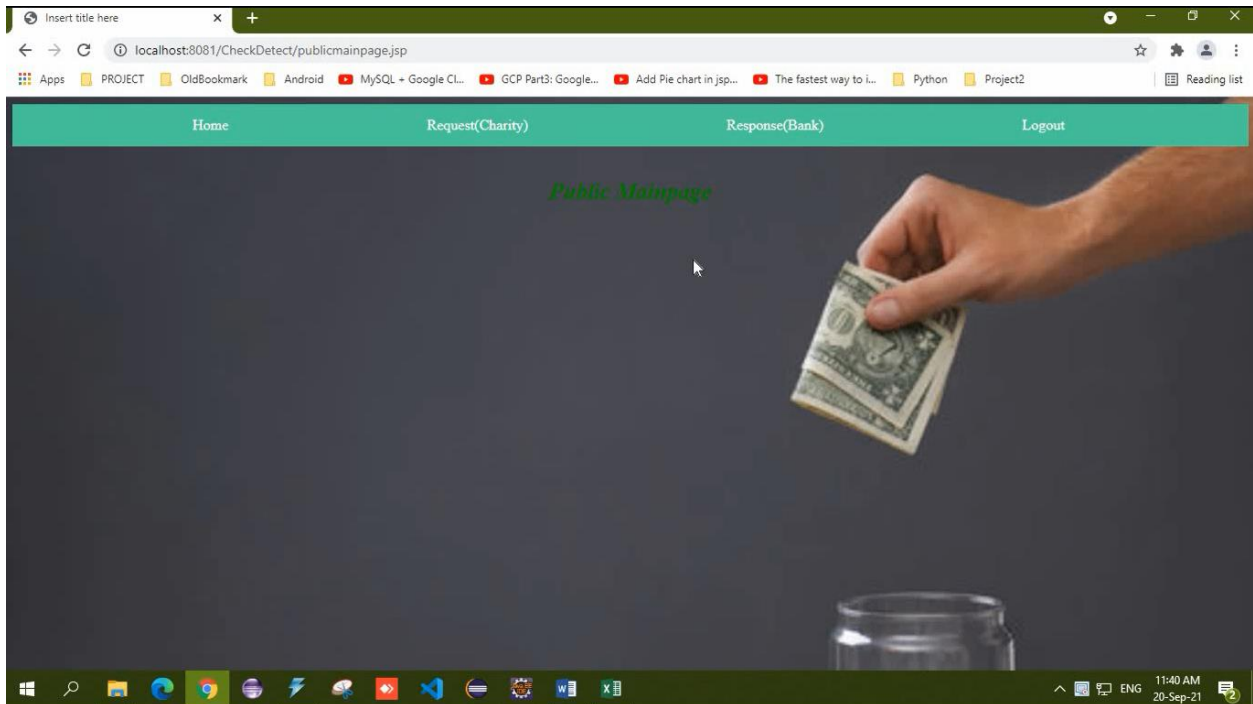


## Charity Account View:



## Public main page :



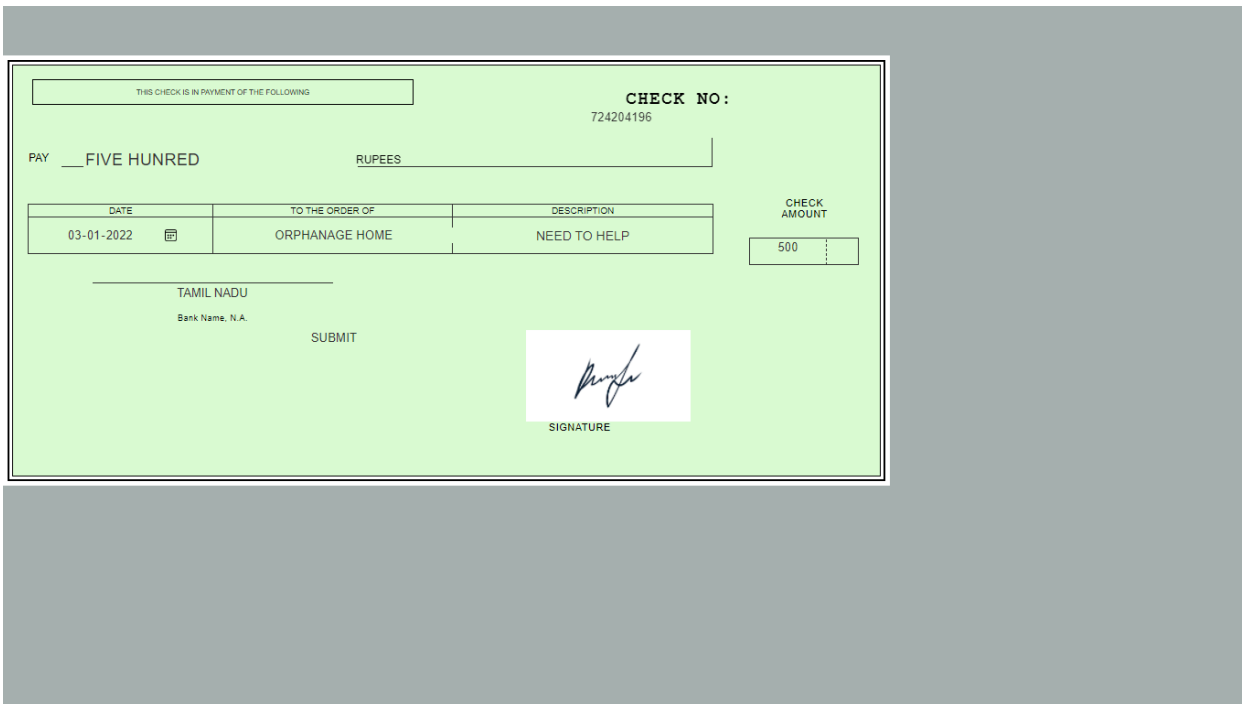


### Public Request View:

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Name	Charity Name	charity Email	Purpose	Charity Contact Number	Donation
Batman	Hulk foundation	hulk@gmail.com	need some fund fore kaja cyclone affected people	9988774455	<a href="#">Donation</a>

## cheque View Page:



## VI.CONCLUSION

Banking scams involve attempts to access your bank account. This approach helps the bank to identify the fake user accessing the cheques and can eliminate it. This web application creates an interface between end user and charitable trust. The user's credential will be protective, because all the details of the user will be encrypted through SHA-1 algorithm, when a fake user trying to access it. By using our approach, bank can figure out that the cheque is a fake.

## VII.REFERENCES

- [1] S. Baker, "Don't cash that cheque: BBB study shows how fake cheque scams bait consumers," Tech. Rep., Better Bus. Bureau, Arlington County, VA, USA, Sep. 2018.
- [2] L. M. Rose, "Modernizing cheque fraud detection with machine learning," Ph.D. dissertation, Dept. Financial Crime Compliance Manage., Utica College, Utica, NY, USA, 2018.

- [3] *Federal Trade Commission*, “Consumer sentinel network data book 2017,” Federal Trade Commission, Washington, DC, USA, Tech. Rep., Mar. 2018.
- [4] C. Tressler, “FTC: The bottom-line on fake cheques scams,” Federal Trade Commission, Washington, DC, USA, Tech. Rep., Feb. 2020.
- [5] “2017 Internet crime report,” Federal Bureau of Investigation/Internet Crime Complaint Center, Washington, DC, USA, Tech. Rep., 2018.
- [6] K. Pak and D. Shadel, “AARP Foundation national fraud victim study,” AARP Foundation, Washington, DC, USA, Tech. Rep., 2011.
- [7] C.-D. Chen and L.-T. Huang, “Online deception investigation: Content analysis and cross-cultural comparison,” *Int. J. Bus. Inf.*, vol. 6, no. 1, pp. 91–111, 2011.