MONEY EXCHANGE USING ANDROID APPLICATION

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Abstract: As India is being digitalized, the usage of cash is becoming less. This paper gives a brief outline of the Money Exchange Using Android Application. As we all know there are various banking applications for transferring money, but these online transactions are not accepted everywhere so it is tough to get cash in the surroundings by transferring money to the other person or during the unavailability of ATM's. Here we give the solution by creating an application in which the user can make a request for the cash through the application and the nearest application user can lend cash on request. We are implementing the Android application with Google API to find the nearest person who can lend cash.

Keywords: Digitalized, Android, Cash.

1. INTRODUCTION
Indian India is one of the largest and fastest-growing markets for digital consumers, but adoption is uneven among businesses. As digital capabilities improve and connectivity becomes omnipresent, technology is poised to quickly and radically change nearly every sector of India’s economy. We are developing an Android application that will act as a bridge between online and offline transactions. We come across a problem where some shops don’t have access to digital payment method. Even though there are many banking applications that serve digital payments, but there is no application that acts as a bridge between online and offline transactions. As a solution to this problem we are developing an Android application which helps to overcome this problem.

2. LITERATURE SURVEY
i. Generally, when there is a cash requirement people go to the nearest ATM's or Banks. But during the unavailability of ATM's or Banks the problem for availability of cash arises. The existing method has only online payments using QR codes, UPI numbers. These cash transactions can be done by transferring cash through Paytm, GooglePay or any other medium, by meeting people through our application. The suggested technique is beneficial when the transactions are done by meeting people near to you, who can lend cash on online payment.

ii. As we all know during the demonetization period, digital payments have started making a buzz in India. Phone Pe app is one app that can be used to make digital payments using your smartphone. PhonePe helps you make easy mobile payments throughout India in a safe and secure environment. It uses the UPI platform which helps you to instantly transfer the money from one bank to another by using a mobile number or VPA (Virtual Payment Address).

iii. In the same way Money exchange application will help us to get the cash in day to day life but here we are using KEY (it generates a random number, which is called a nonce. ... From this unique private key) instead of UPI to make easy and payments in safe and secure environment.

3. METHODOLOGY
We planned to design our application which securely performs the assigned tasks. This proposed approach is to implement modern technologies of payments by finding the location of the nearest person to you and exchanging money with each other (from online payment to cash). This system is developed with the location tracking of users with proximity alert system using various tools and technologies like JASON, JAVA, LAMP, AVD etc.

- As of now for the student prototype we are implementing the application with 10 users.
- To make the application more efficient we are asking the users to enter the location manually.
- In order to perform a safe transaction every user is given unique key at the time of registration.
- When the user requests for the transaction, this request transaction notification will be sent to all the 10 users. Whenever there is a network issue, notifications will be triggered and resolved immediately.
4. EXPERIMENTAL RESULTS

INTRODUCTION

The project is constructed as an android application where users can use it by entering their basic details and proceed with the transaction.

WORKING PRINCIPAL

Step 1 – user clicks on ‘ENTER’.

Step 2 – user signs up to the application with unique key.

Step 3 – User signs in through the OTP which is generated, which further takes to the dashboard.

Step 4 – The dashboard consists of the PAY and RECEIVE and LOGOUT, the user clicks on pay or receive Step 5 – if its PAY the user can request the amount he wants and can enter the unique key and can logout after the transaction is successful.

Step 6 - if its RECEIVE the user can accept the request the amount he wants to donate and can enter the unique key and can logout after the transaction is successful.

Step 7 – after the offline transaction is successful both gets a message to their android phones.

Figure 1: Block diagram for application
Figure 2: shows the pages in the application

Figure 3: shows the signup and signin in the application
Figure 4: shows the dashboard and pay page in the application

Figure 5: shows the receive page in the application
5.  **FUTURE WORK**

- For future developments it can be enhanced by developing this application by introduction of maps to know the accurate location of the users. Can implement the next by introducing payment option which includes UPI transactions or through bank. Can improve it by adding pop outs that shows people ready to lend cash, and by accepting it. As per research this application can be improved by adding more accurate details like aadhaar card etc. If the users are increased in order to reduce fake users or theft it can be enhanced by adding photo correct details and bank details and all the details required by the other UPI apps like Google pay or Phonepay.

6.  **CONCLUSION**

In this project we made an effort to overcome some problems in daily basis of transactions. The rapid growth in the digitalization, we studied how to develop an android application from the scratch and designed each page step by step, like login, finding a user nearby through google API and by storing the values in database for further use. After entering the details the result is shown. This will reduce the gap between online and offline transaction. Helps users to get cash on time in any urgency.

**REFERENCES**