



INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X

Impact factor: 4.295

(Volume 5, Issue 5)

Available online at: www.ijariit.com

Smart identification and updation system: Resulting whether money available in ATM or not

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ABSTRACT

When we need money, we intend to go for an ATM to get money. If there is no enough cash or money into ATM, we don't get money as well as spend a lot of time. To avoid all the efforts and save our time, we can use the Android Application based system. Through this, anyone can check firstly whether how much money available in nearer ATM. For this purpose, we have developed a system which is called smart Identification and updating through it you can save time as well as efforts. It is a fully Automated System.

Keywords— ATM, Admin Registration, User Registration

1. INTRODUCTION

ATM information System its Android App based fully Automated System, where a user has to just install one mobile Application. In Mobile App development, we will use GPS module, to make life easier and simpler, we will develop one useful and automated system by which all the users get real-time updates of ATM. Real-time, Fast ATM updates. We can also use SMS APIs to transmit the message from ATM to Database Server.

2. EXISTING SYSTEM

In the existing system, there are various mobile Application which gives just location of ATM which are nearer to a user by using GPS module but there is no any System exist which give real-time updates, "Whether ATM has cash or not". There is no ATM system provides in detail how much money in ATM.

3. SYSTEM OVERVIEW

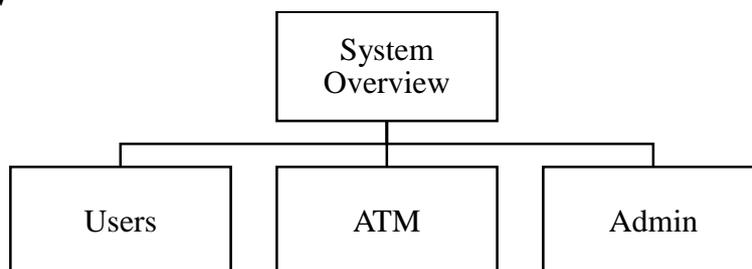
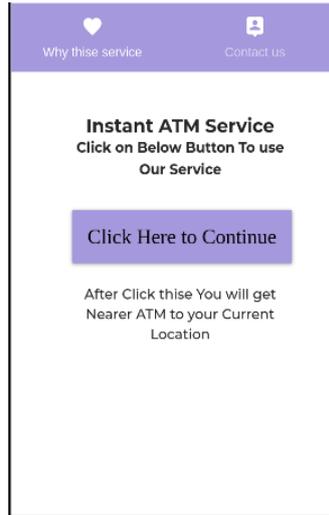


Fig. 1: System overview

3.1 Users

In the user module, the user will just install a mobile application, and press button to continue. When the user press button “Click Here to Continue” GPS location of that user sends to database server.



The server will return list of all ATM which are nearer to the user, now user. Have to choose any one ATM, after choosing any one ATM, system will display all information related to that ATM e.g.-

- ATM is open or closed
- How much money is in ATM.?
- A distance of ATM from the current location of the user (With the help of a GPS module).

3.2 Admin

Admin is the group of persons who has access to add a new ATM in Database System. Admin will check whether the system will work properly or not.

3.3 ATM

- We use one interesting system in which when ATM sends a notification to the bank that money has been finished, at the same time ATM will send notification to our server by automated system we will update the flags that is whether money is in ATM or No Money in ATM.
- ATM will update at each transaction how much amount of money in it. It's helpful for the user because suppose have a scenario user want to withdraw about Rs.10,000 but In ATM there is Only Rs2000 left, so user will check “is there any ATM nearer to him/her which have money at least Rs.10,000.

4. FUTURE SCOPE

At each transaction, ATM will update the system it's done by the easy system, i.e we can use SMS API for it the process is being continued as below.

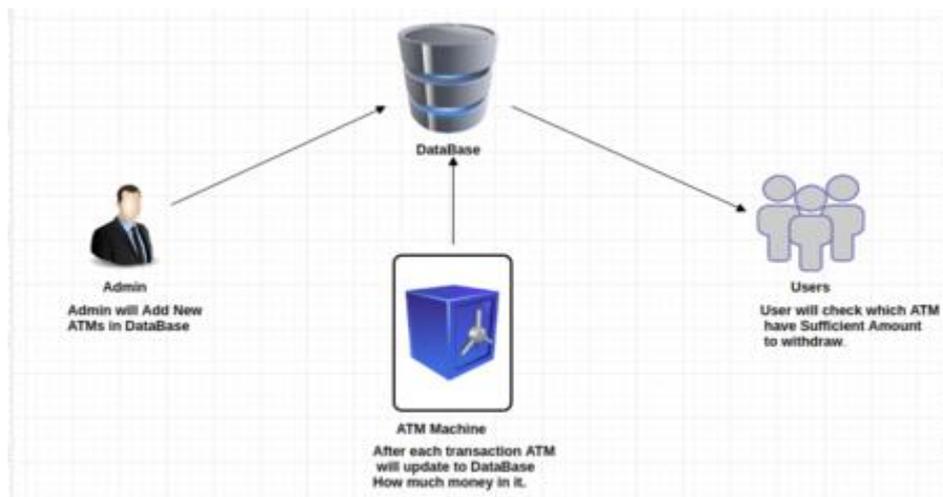


Fig. 2: System Architecture

5. MAIN OBJECTIVE OF SYSTEM

The main objective of our system is to reduce human efforts to check each time that there is money in ATM or Not. Update user i.e. give information about how much money is in ATM or No Money in ATM or whether the ATM is ON/OFF.

6. CONCLUSION

We will reduce the efforts of people, by introducing such a new system. We can use Firebase as Database, SMS APIs to transfer data i.e. to update our server. By inventing such a system we will finally meet our objective. The system will impact on our day to day life.

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