



Smart Loan Application for Bank Using Android

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Abstract: *Loan portfolio problems have historically been the major cause of the risk of possible loan losses. The main scope of this project is to provide good interaction and communication between customers and administrator. The existing system is a manual system, that doesn't maintain details with proper security and can't track details easily and also doesn't contain functionalities of fast retrieval information, such as customer details, maintenance of all the loan details and it involves lots of paperwork. In this project is proposed to developed an android Application for apply the loan in a smart way. First the user can view the requisite for the particular loan in a particular bank through this app. The user can Identify the particular document to the type of loan .Then the user can easily upload the scan copy of certificates and documents. The bank Authority ensure the user Documents and approval will be send to the loan applicant through Email. This applications helps to the people for registering or applying for the loan without any time delay. Loan application has been designed to online the back office activities of bank and finance company which offers any type of loan. The scope of this project is for apply to loan in a smart way under the roof.*

Keywords: *loan details, loan request, report, E-mail*

I. INTRODUCTI

The main scope of this project is to provide good interaction & communication facilities between customers and administrator. Customer can apply for a loan and after approved it they can track their details from this application. Administrator manage customer information database more efficiently, loan details maintain loan type and interest rate information. Admin can use calculator to give exact payable loan amount for the customer & generate all these work info as a report of each customers. Here the existing system is a manual that doesn't maintain details with proper security and can't track details easily and also doesn't contain functionalities of fast retrieval information such as customer details and maintenance of all the loan details so it involves lots of paperwork. Thus the cost of the interest subsidy crowds out resources for universities, putting quality at risk. It doesn't allow the customer to check their profile in proper way which leads customer dissatisfaction. Thus the cost of the interest subsidy crowds out resources for putting quality at risk. It is argued that interest subsidies make loans cheaper and thus help to widen participation of college users. It used to take more time to find customers because there is required extra manual effort such as to hire candidate. Banking system is targeted to the future banking solution for the users who is having multiple bank accounts in multiple banks with loan request. It integrates all existing banks and provides business solutions for corporate. It acts as a standard interface between the clients and all the banks, by using this portal any client who maintain accounts in various banks can directly log on to Loan System and make any kind of customer request. In the backend, system will take care of the entire obligation required in order to carry on transaction smoothly. If a customer wants loan then the customer first register to the website with the necessary identity proofs or by uploading the identity proofs. The banks system check the rules and formalities, if they matched with any one of the available bank which is based on the factor called interest, then the information send to the customer. After that the customer gets the available banks based on interest the customer select for the appropriate bank for getting loan. These are:

- **Loans:** This element appears if there is a national customer loan system, and above 5 % of consumers take out a loan.
- **Tax benefits for users:** this element appears if there are tax benefits for customer.

With a conventional loan (that is, one with fixed monthly repayments and a fixed duration) an interest subsidy reduces monthly repayments. But user's loans in Britain have income-contingent repayments, that is, repayments calculated as a fraction of the graduate's monthly earnings;

In the registration phase the new student can register the details and get the service, if there is any new user they can create the new login id, in registration the new user must give full details about the name, gender, mobile number, email id and address for communication for relevant customers. Finally they will get the authorized individual user name and password. In this module performs if anyone wants to loan requirement, that student registered in loan portfolio system. Consumer gives the name, relevant reason for loan and amount are needed information in new appropriate details. The given details finally bank administrators receive the information's and precede the further activity for applicants. The user can view the instructions of the particular loan. The details are useful for the user. The user can Identify the particular document to the type of loan .Because the user can easily attach the certificates and documents. This module

has very useful and helpful for the user. The loan applied customer details and loan request details are stored in the bank authorities. The consumer's details are name, gender, mobile number, email id, contact number for appropriate loan request users. That performing monitoring and verification activities and following administrative procedures correctly. First particular loan request users approved by their banking administrator and department admin .Finally, the admin can view and approve the relevant loan approval status details. The authority is committed to approval Result of loan for the user send via the Email.

II. PROBLEM DEFINITION

In the existing system is a manual system that doesn't maintain details with proper security and can't track details easily and also doesn't contain functionalities of fast retrieval information such as customer details and maintenance of all the loan details so it involves lots of paperwork. Thus the cost of the interest subsidy crowds out resources for universities, putting quality at risk. It doesn't allow the customer to check their profile in proper way which leads customer dissatisfaction. Thus the cost of the interest subsidy crowds out resources for putting quality at risk. It is argued that interest subsidies make loans cheaper and thus help to widen participation of college users. It used to take more time to find customers because there is required extra manual effort such as to hire candidate.

Disadvantages

- Does not provide option to download loan form
- Doesn't user-friendly interface
- Lots of time is required to manage customer info & details so it feels that existing system not accurate and therefore maintenance becomes very complicate.
- Difficulty in generating different reports as per the business requirement.

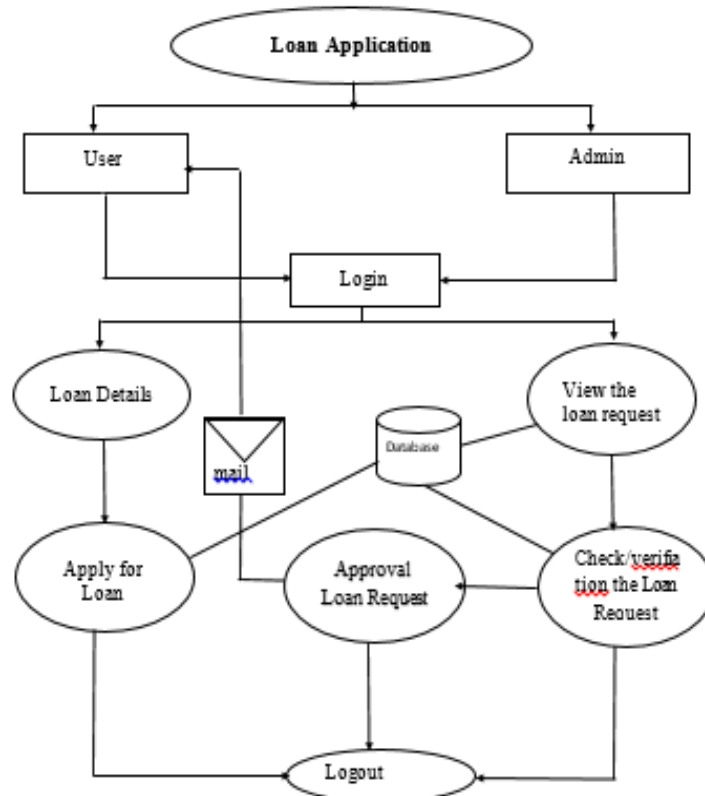
III. PROPOSED SYSTEM

Banking system that provides the banking facility inside the user environment. This system acts as a standard interface between the students who are the clients and the intra college bank system, By using this portal any client who maintain accounts in Fortune can directly log on to Banking loan System Interface and make use of the facilities provided. Customer can apply for a loan and after approved it they can track their details from systematically.

Advantages

- Provides good communication for the customer.
- Applying a loan under the roof.
- Analyzing the prerequisite documents.
- Smart loan application without time consuming.

IV. ARCHITECTURE



Proposed Architecture

V. MODULE DESCRIPTION

In the registration phase the new student can register the details and get the service, if there is any new user they can create the new login id, in registration the new user must give full details about the name, gender, mobile number, email id and address for communication for relevant customers. Finally they will get the authorized individual user name and password.

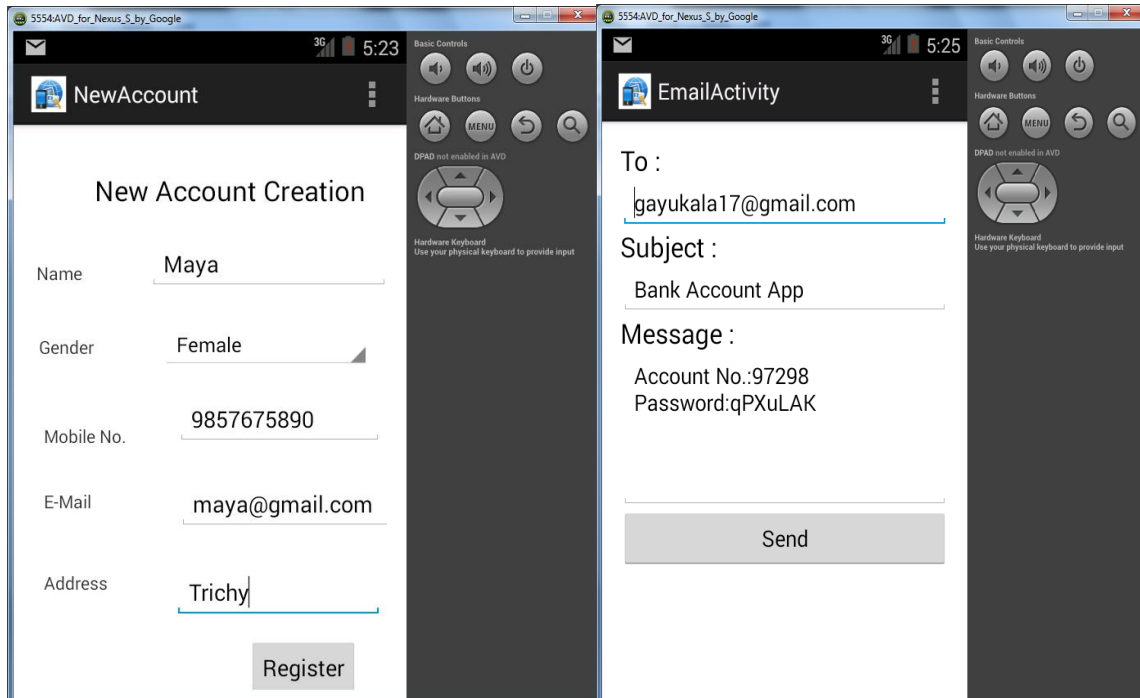


Fig. 1 Add User Registration Fig .2 User name & Password Creation

The Loan Details Module can be used to can view the instructions of the particular loan. The details are useful for the user. The user can Identify the particular document to the type of loan .Because the user can easily attach the certificates and documents. This module has very useful and helpful for the user. The customer view the loan details are in smart way.

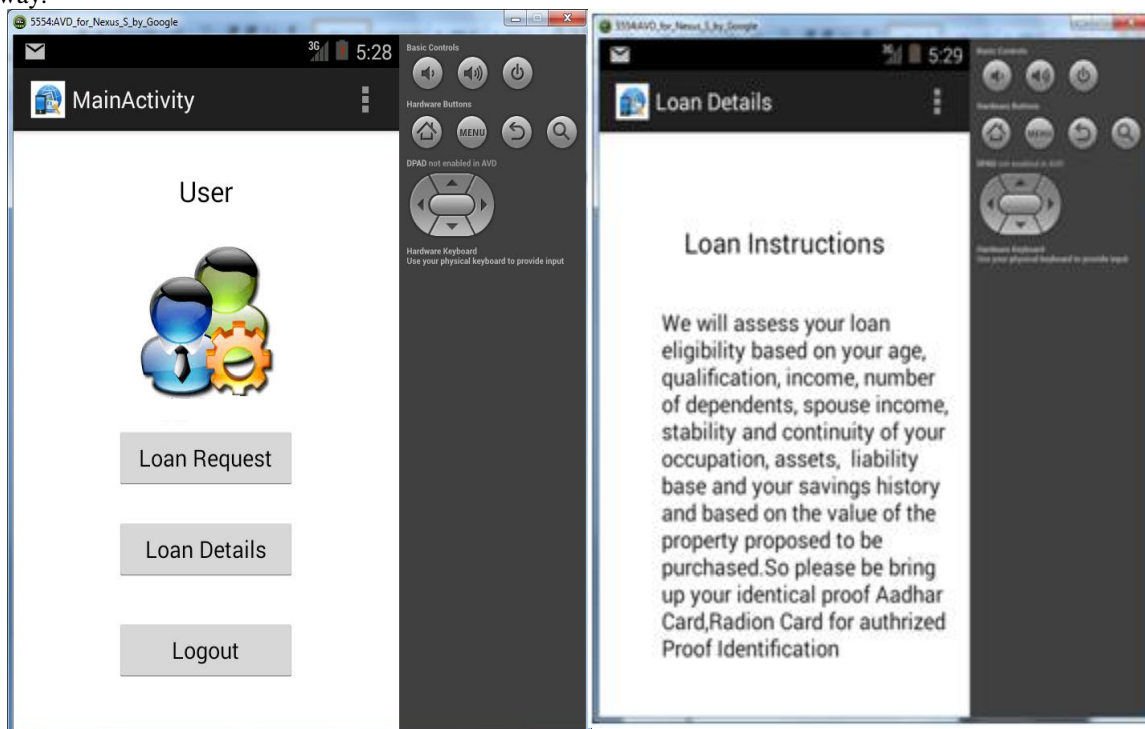


Fig. 2 Loan Details Module

In this Loan Request module performs if anyone wants to loan requirement, that student registered in Loan portfolio System. Consumer gives the name, relevant reason for loan and amount are needed information in new appropriate details. The given details finally bank administrators receive the information's and precede the further activity for applicants.

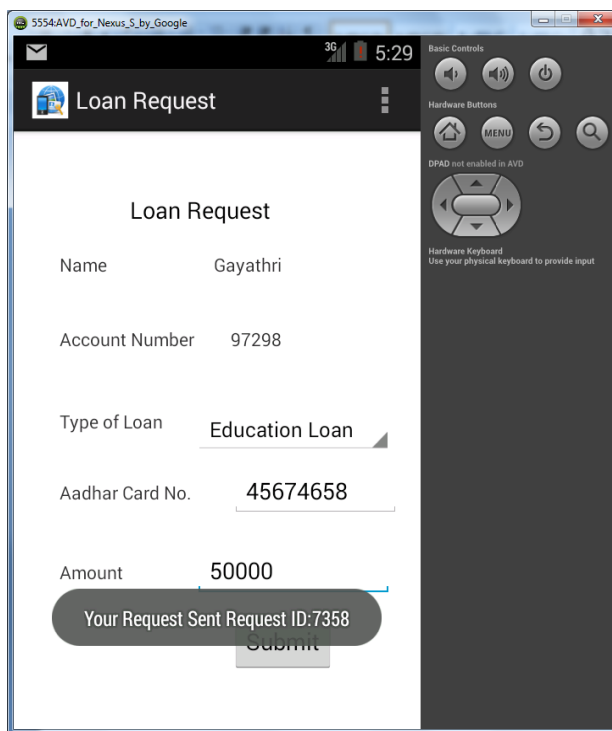


Fig. 3 Loan Request Module

The loan applied customer details and loan request details are stored in the bank authorities. The consumer's details are name, gender, mobile number, email id, contact number for appropriate loan request users. That performing monitoring and verification activities and following administrative procedures correctly. First particular loan request users approved by their banking administrator and department admin .Finally, the admin can view and approve the relevant loan approval status details. The Authority is committed to identifying approval of loan appropriate action in order to maintain the integrity of the system.

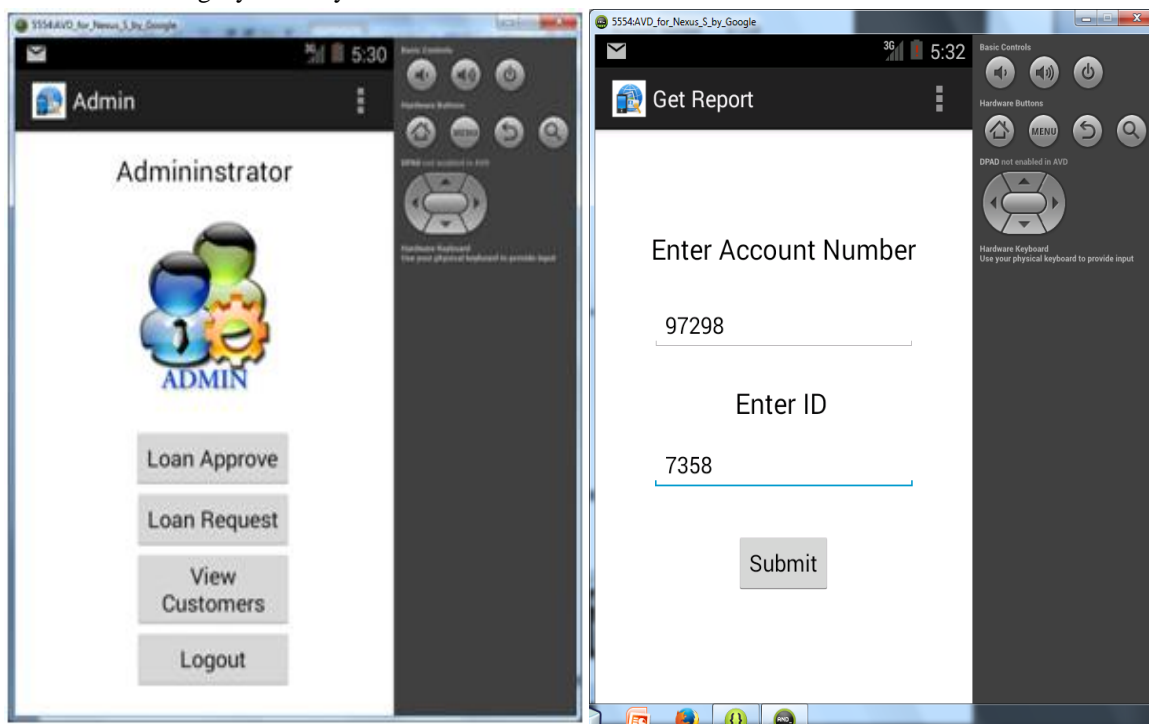


Fig. 4 Admin send the Loan Approval

In this module includes Loan Type, Customer, Issuing Loan, EMI Calculation, Receive payments. The System Administrator can able to add, modify loan type like Home Loan, Gold Loan, Personal Loan of customer and can modify the interest rate. One customer can have more than one loan, System generate unique loan no. Admin can add, modify loan details like loan type, loan amount, tenure, mortgage details, guarantor details.

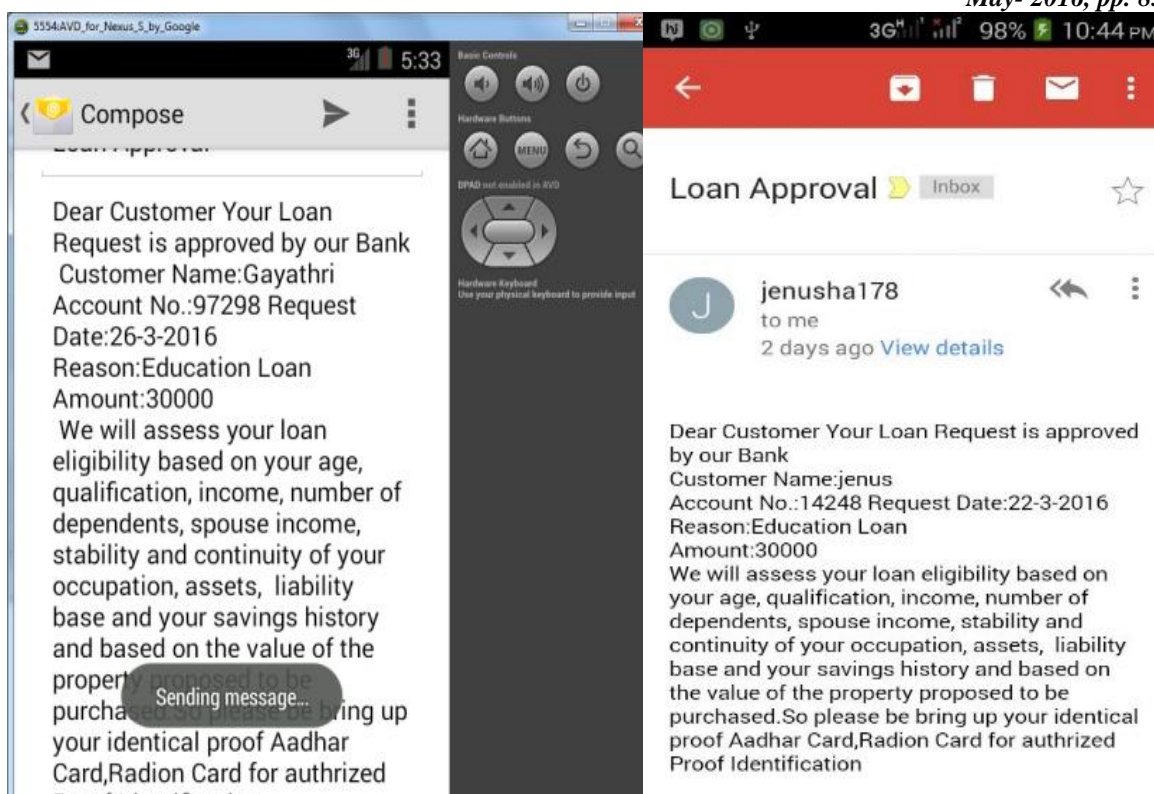


Fig. 5 send the Report Module Fig. 6 customer view the Report

VI. CONCLUSION

The goal of every organization is to remain in business through profit making. It is also worth mentioning that granting of loan contributes to the profit of banks through the charging of interest. Loans given to borrowers, shareholders' and depositors' money and hence should be critically evaluated before they are being granted and they should be continuously checked to for proper management. Effective management of loan portfolio credit risk requires that the Board understand and control the bank's risk profit. The following are recommended to banks, particularly, United Bank for Africa Plc, First Bank of Nigeria, Wilma Bank and Unity Bank to enable them carry out effective loan management which will in turn assist in the performance of banks:

- a. Credit officers should intensify efforts on their job, routine check on customers and prudent approach to recover loans and advances granted to customers.
- b. Loans granted to customers should be placed under constant supervision.
- c. The purpose of the loan should be known and ensure the feasibility and viability of every loan proposal.
- d. Credit managers should make adequate analysis on prospective borrowers. The financial statement must be used to determine the strength of customer and his ability to pay.

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