

Dynamic Service Composition for An Integrated Multibanking

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Abstract- In this project has propose an enhanced multi-banking integrated using single username and password the user can able to access multiple bank accounts. Every user can have more than one bank accounts and each bank provides different username and passwords. By using this interface any user who is having accounts in various banks can directly login to Multiple Banks and make any kind of transactions. By using this interface client can also able to see all various bank account summaries in the single page. Even amount can be transacted between the banks in the single interface. In addition to this, the main feature of the paper is, Sometimes the client need a particular amount, but all the banks in which he/she has account is having balance lesser then the required amount. For this we are providing a dynamic service composition interface to overcome this problem. Consider 'n' number of banks is going to participate in multi-banking interface. Transaction has been takes place through the integrated system.

Keywords- Integrated banking, Transaction, Multi banking, Service Composition

I. INTRODUCTION

The 'Multi Banking System' Interface is targeted to the future banking solution for the users who have multiple bank accounts in different banks. This interface integrates all existing banks and provides business solutions for both retail and corporate. System Involves

This system 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 Multi Banking System Interface and make any kind of transactions. In the backend, system will take care of the entire obligation required in order to carry on transaction smoothly. This system also holds information regarding user they can view their transaction details i.e amount of transaction from bank

- This interface integrates all existing banks and provides business solutions for both retailers and corporate.
- This system acts as a standard interface between the clients and the banks

- Users who have accounts in various banks can login here and can make any kind of transactions.
- In the backend, system will take care of the entire obligation required in order to carry on transaction smoothly.

II. PROBLEM DEFINITION

Initially using registration server user will register his/her personal details for storing in a database. After providing the required details they are provided with user identification and secure password for the user. After this they provide some banks to select by the user where he/she has accounts. Transact the amount between two banks in same page. Customer can get the required amount in case insufficient amount all the banks in which he/she has the account.

DISADVANTAGE

- In existing system the customers having account in many number of banks but they do the transaction by a single or corresponding website.
- It leads to lot of formalities for applying loan, it arise a problem to the customer.
- Lots of time is required to manage customer info & details so it feels that existing system not accurate and therefore maintenance becomes very complicate.

III. PROPOSED SYSTEM

The Multi Banking System Interface is targeted to the future banking solution for the users who is having multiple bank accounts in multiple banks. This system 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 Multi Banking System Interface and make any kind of transactions. In the backend, system will take care of the entire obligation required in order to carry on transaction smoothly.

ADVANTAGE

- The customer can achieve multiple transactions in a single website and know about the loan details available at multiple banks.
- It reduces time for the customers for applying loan in each bank and provides way to maintain a good relationship with bank. The decision process becomes faster and more consistent.

IV. ARCHITECTURE

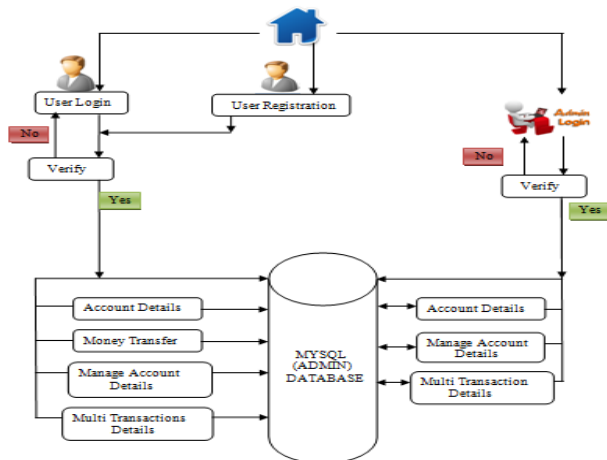


Fig. 1. Architecture of Multibanking

V. MODULE DESCRIPTION

MODULES

1. REGISTRATION MODULE
2. ACCOUNT DETAIL MODULE
3. TRANSACTION MODULE
4. REPORT MODULE

MODULE DESCRIPTION

1. Registration Module:

This module describes all about customers, by using this module any customer can do some operations like

- Create New Account: By using this functionality user can create a new account in any bank by selecting bank name option.
- View Account Information: By using this functionality user view all his account details, this can be viewed by users who are having account in any bank.

2. Account Detail Module:

The account detail module will be used by the user of this portal, Here it provide the particular details of the user they are

1. Account Number
2. Customer Name
3. Gender
4. Father Name
5. Occupation

3. Transaction Module:

Transaction module provide transaction by using this interface any user who is having accounts in various banks can directly login to Multiple Banks and make any kind of transactions.

- Name of Customers: By using this functionality user can do the transaction in the online itself with the different bank at a time
- Accounts Number: By using this functionality Bank admin can get their entire customers list based on selected account type like saving account, current account etc.
- Name of Bank: By using this functionality Bank admin can get the name of the bank where money should transfer.
- Area of Bank: By using this functionality Bank admin can maintain money transferred customer details.
- State and District of Bank: By using this functionality Bank admin can get the details the customer where their branch is located to transfer the amount to the particular account.

5. Reports Module:

In this module administrator will get different types of reports regarding customers like Number of customers of this portal and no. of banks registered in this portal. This module is controlled by administrator only.

VI. CONCLUSION

This project concludes that we can provide a great interface between the user and the banking environment, thus satisfying the requirements of multiple users. It provides an efficient ways for people to involve in on-line transactions. There are providing a monitoring mechanism for admin which is having the ultimate power. And finally the users will be satisfied with our service. Nowadays various sectors like Internet banking, electronic-billing in various sectors etc., are facing the security problem regarding in several perspectives like in transaction and database related query and responsiveness. We introduced an enhanced composite Multi-Banking System for the user to access more than one bank accounts at a same time with a single user name and password.

VI. FUTURE WORK

The system provides efficient ways for people to involve in on-line transactions. And finally the users will be satisfied with our service. It had introduced this Multi-Banking System for the user to access more than one bank accounts at a same time with a single user name and password. In Future by doing this dynamic service composition, security with aadhar card for the secured transaction are main features to focus on when combining more number of business applications.

REFERENCES

- [1] G. Sree Rekha, and V. K. Agrawal, "An Architecture for Integrated Multi-banking Solution", World Academy of Science, Engineering and Technology, 2011.
- [2] Sahana K. Bhosale, "Architecture of a Single Sign on (SSO) for Internet Banking", proc of International conference on wireless and multimedia networks, 2008
- [3] Maurice H. TerBeek, Antonio Bucchiarone and Stefania Gnesi, "A Survey on Service Composition Approaches: From Industrial Standards to Formal Methods" 2008.
- [4] Document Flow Model Handbook, "A Formal Notion for Modeling Asynchronous Web Services Composition".
- [5] E. Saravanakumar and Anupriya Mohan, "Single Password Multiple Accounts, International Conference on Computing, Communication and Networking", ICCCN 2008.