



AUTOMATED BANKING SYSTEM

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Abstract --It aimed at developing an Online Banking for customer. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of My Sql Database and all the user interfaces have been designed using the JAVA. The database connectivity is planned using the "Database" methodology. The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules and their associated reports, which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff. Graphical passwords provide a promising alternative to traditional alphanumeric passwords.

Keywords: Information systems Security and Privacy,

I.Introduction

The protection of computer based resources that includes hardware, software, data, procedures and people against unauthorized use or natural Disaster is known as System Security.

System Security can be divided into four related issues:

- Security
- Integrity
- Privacy
- Confidentiality
- **SYSTEM SECURITY** refers to the technical innovations and procedures applied to the hardware and operation systems to protect against deliberate or accidental damage from a defined threat.
- **DATA SECURITY** is the protection of data from loss, disclosure, modification and destruction.
- **SYSTEM INTEGRITY** refers to the power functioning of hardware and programs, appropriate physical security and safety against external threats such as eavesdropping and wiretapping.
- **PRIVACY** defines the rights of the user or organizations to determine what information they are willing to share with or accept from others and how the organization can be protected against unwelcome, unfair or excessive dissemination of information about it.
- **CONFIDENTIALITY** is a special status given to sensitive information in a database to minimize the possible invasion of privacy. It is an attribute of information that characterizes its need for protection.

II.SECURITY IN SOFTWARE

System security refers to various validations on data in form of checks and controls to avoid the system from failing. It is always important to ensure that only valid data is entered and only valid operations are performed on the system. The system employees two types of checks and controls:

II.ICLIENT SIDE VALIDATION

Various client side validations are used to ensure on the client side that only valid data is entered. Client side validation saves server time and load to handle invalid data. Some checks imposed are:

- Forms cannot be submitted without filling up the mandatory data so that manual mistakes of submitting empty fields that are mandatory can be sorted out at the client side to save the server time and load.
- Tab-indexes are set according to the need and taking into account the ease of user while working with the system.

II.II. SERVER SIDE VALIDATION

Some checks cannot be applied at client side. Server side checks are necessary to save the system from failing and

intimating the user that some invalid operation has been performed or the performed operation is restricted. Some of the server side checks imposed is:

- Server side constraint has been imposed to check for the validity of primary key and foreign key. A primary key value cannot be duplicated. Any attempt to duplicate the primary value results into a message intimating the user about those values through the forms using foreign key can be updated only of the existing foreign key values.
- User is intimating through appropriate messages about the successful operations or exceptions occurring at server side.
- Various Access Control Mechanisms have been built so that one user may not agitate upon another. Access permissions to various types of users are controlled according to the organizational structure. Only permitted users can log on to the system and can have access according to their category. User- name, passwords and permissions are controlled o the server side.
- Using server side validation, constraints on several restricted operations are imposed.

III.Existing System

The developed system is an innovation in the area of private banking. In the existing system the no. of staff required for completing the work is more, while the new system requires lesser staffs generally. The data entry process requires the data on the project, which is then feed into the application by the operator while doing so; the data entry operator has to look into the project again & again and thus the chances of in accuracies in the typed contents increases. Also the process includes higher transportation cost, increased handling cost, more time delays, low accuracy, more usage of resources like registers, books, projects, etc.

V. PROPOSED SYSTEM

“Why an Automated Private Banking System?”.Almost 60% of today’s information is still project based.30% of all office time is spent finding documents.The average time to manage a single document is 12 minutes,9 minutes to re-file and 3 minutes to process.Hence the requirement is to develop a system that minimizes all these overheads included while giving the maximum output for the organization. The basis for the project is to develop a fully automated banking system that includes depositing of amount,Withdrawal of amount and exporting the outcome back to the client while considering all the tools and facilities than a client may need for efficient and effective output.

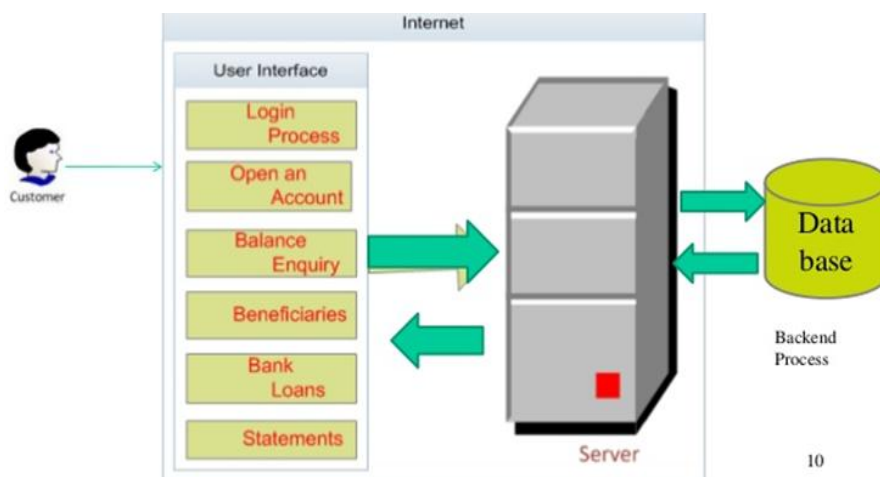


Fig:Block Diagram

VI. CONCLUSION

This project developed, incorporated all the activities involved in the browsing centre. It provides all necessary information to the management as well as the customer with the use of this system; the user can simply sit in front of the system and monitor all the activities without any physical movement of the file. Management can service the customers request best in time. The system provides quickly and valuable information. These modules have been integrated for effective use of the management for future forecasting and for the current need.

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VII.REFERENCE

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