A Mini Project Synopsis on

Online Banking System

S.E. - I.T Engineering

Submitted By

Sakshi Ahire 20104021

Soham Bolla 20104135

Sakshi Gaikwad 20104015

Disha Panchal 20104126

Under The Guidance Of

Prof. Neha Deshmukh

DEPARTMENT OF INFORMATION TECHNOLOGY

A.P.SHAH INSTITUTE OF TECHNOLOGY

G.B. Road, Kasarvadavali, Thane (W), Mumbai-400615

UNIVERSITY OF MUMBAI

Academic year : 2020-21

CERTIFICATE

This to certify that the Mini Project report on **Online Banking System** has been submitted by Sakshi Ahire (20104021), Soham Bolla (20104135), Sakshi Gaikwad (20104015) and Disha Panchal (20104126) who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

Ms. Anagha Aher
Guide

Prof. Kiran Deshpande
Head Department of Information Technology

Dr. Uttam D.Kolekar
Principal

External Examiner(s)
1.
2.

Place: A.P Shah Institute of Technology, Thane
Date:

INDEX

Chapter 1

Introduction

The “Online Banking System” has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by the existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. Every Online Banking System has different accounts needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times.

1.1 Purpose

The purpose of Online Banking System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. It can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized record without rebundant enities. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

1.2 Objectives:

The main objective of the project on Online Banking System is to manage the details of Accounts, Bank, Customer, Transaction, Internet Banking. It manages all the information about Accounts, Balance, Internet Banking. The project is totally built at administrative end and thus only the administrator is guaranteed the access.

Functionalities provided by Online Banking System are as follows:

- Provides the searching facilities based on various factors. Such as Accounts, Customer, Transaction, Internet banking
- It tracks all the information of Bank, Balance, Transaction etc
- Shows the information and description of the Accounts, Customer
- To increase efficiency of managing the Accounts, Bank
- It deals with monitoring the information and transactions of Transaction
- Manage the information of Accounts and Transaction
- Editing, adding and updating of records is improved which results in proper resource management of Accounts data
- Integration of all records of Internet Banking

1.3 Scope:

The project's aim is to automate the system, pre-checking the inclusion of all required material and automatically process the transactions used in a banking. The criterions which include over here is to creation of an account and its all respective perspectives. The data used by the system is stored in a database that will be the centre of all information held about the customer and the base for the remainder of the process after initial signing up been made. This enables things to be simplified and considerably quickened, making jobs of the involved people easier. It supports the current process but centralizes it and makes it possible for decisions to be made earlier and easier way.

The main goal of the system is to automate the process carried out in the bank with improved performance realize the vision of paperless banking, some of the goals of the system are listed below:

- Manage large number of customer details with case.
- Manage all details of the student who are registered with the bank and send appropriate details about latest policy of the bank of its customer.
- Create customer account and maintain its data efficiently and effectively.
- View all the details of the customer.
- Create a statistical report to facilitate the finance department work.
- Activities like updating, modification, deletion of records should be easier.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.

Chapter 2

Problem Definition:

The purpose of this project is to develop an online banking system that provides customers with the facility to check their accounts and do transactions online. The system will provide all the banks facilities to its customers when their authentications matches, including viewing account information, performing fund transfers. The system allows and should allow customers to view their personnel accounts and to pay bills online from their accounts.

The system should assign a unique transaction number to every transaction that a user makes. The Administrator will administer both normal bank account. The administrator have the ability to perform various operations like creating a normal withdrawals and deposits when the customers want teller transactions. The administrator also has the privilege to close the customer's account on the request of the bank customer. The customer should be able to access his/her account from anywhere just by inputting the correct user-id and password.

2.1 User Problem Statement:

A problem statement is a concise description of the issues that need to be addressed by a problem solving team and should be presented to them before they try to solve the problem. When bringing together a team to achieve a particular purpose provide them with a problem statement. The primary purpose of a problem statement is to focus the attention of the problem solving team. However, if the focus of the problem is too narrow or the scope of the solution too limited the creativity.

In project management, the problem statement is part of the charter. It lists what's essential about the project and enables the project manager to identify the project scope as well as the project stakeholders.

Chapter 3

3.1 Proposed System:

The aim of the proposed system is to address the limitations of the current system. The requirements for the system has been gathered from the defects recorded in the past and also based on the feedback users of the previous metric tools.

It has the following requirements:

- System needs store information about new entry of Accounts
- System need to maintain quantity record
- System need to update and delete the record
- System also needs a search area
- System needs to help the internal staff to keep information of bank and find them as per various queries.

Almost 60% of today's information is still paper based. 30% of all office time is spent finding documents. The average time to manage a single document is 12 minutes. 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 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.

3.2 Features and modules:

Features:

- Product and component based
- Creating & Changing Issues at ease
- Query Issue List to any depth
- Reporting & Charting in more comprehensive way
- User Accounts to control the access and maintain security
- Simple Status & Resolutions
- Multi-level Priorities & Severities
- Targets & Milestones for guiding the programmers
- Attachments & Additional Comments for more information
- Various level of reports available with a lot of filter criteria’s
- Accuracy in work
- Work becomes very speedy
- Easy to update information

Modules:

Account Management Module: Used for managing the account details

Balance Module: Used for managing the details of Balance

Customer Module: Used for managing the customer details

Transaction Module: Used for managing the transaction information

Login Module: Used for managing the login details

Users Module: Used for managing the users of system

Chapter 4

Project Outcome:

- Easily scalable to grow with changing system requirement
- Quick, authenticated access to accounts via the desktop
- Enterprise wide access to information.
- Improved information security, restricting, unauthorised access.
- Minimize Storage Space.
- In Manual System, much storage space for data files is required so to overcome this problem, on automated well managed database is developed for saving storage space.
- Users can do banking outside normal banking hours as well.

Chapter 5

Software used:

Frontend: JAVA

Backend: mysql

Chapter 6

Project Design:

Design is the first step into the development phase for any engineered product or system. A good design is the key to effective system. Software design sits at the technical kernel of the software engineering process and is applied regardless of the development paradigm that is used. The system design develops the architectural detail required to build a system or product. As in the case of any systematic approach, this software too has undergone the best possible design phase fine tuning all efficiency, performance, and accuracy levels. The design phase is a transition from a user oriented document to a document to the programmers or database personnel.

Project design goes through two phases of development:

1. Logical design
2. Physical design

1.Logical design:

The logical flow of a system and define the boundaries of a system. It includes the following steps:

- Reviews the current physical system – its data flows, file content, volumes, frequencies etc.
- Prepares output specifications – that is, determines the format, content and frequency of reports.
- Prepares input specifications – format, content and most of the input functions.
- Prepares edit, security and control specifications.
- Specifies the implementation plan.
- Reviews benefits, costs, target, dates and system constraints.

2.Physical design:

Physical system produces the working systems by define specifications that tell the programmers exactly what the candidate system must do. It includes the following steps:

- Design the physical system.
- Specify input and output media.
- Design the database and specify backup procedures.
- Plan system implementation.
- Prepare a conversion schedule and target date.
- Determine training procedures, courses and timetable.

Chapter 7

Project Scheduling Template

Sr. No	Group Member	Time duration	Work to be done
1	Sakshi Ahire	Last Week of September	Implementing 1st module/functionality (first we decided the topic then Designed the Start Page)
2	Soham Bolla	First and Second Week of October	Testing 1st module (Login page / This will consist of main page where user will have to select the following options:) • New Account • Withdraw • Transfer • Contact us
3	Sakshi Gaikwad	Third Week of October	Implementing 2nd module/ functionality (Designed the New Account Page and withdraw page in which user will have to give personal Details)

4	Disha Panchal	Second Week of November	Implementing 3rd module/ functionality (Designed the Transfer Page and connected Data base)

Chapter 8

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.

Future Looks:

The "Banking Online System is a big and ambitious project. I am thankful for being provided this great opportunity to work on it. As already mentioned, this project has gone through extensive research work On the basis of the research work, we have successfully designed and implemented banking online System. To know what the future of online banking looks like, it's probably worth looking at the present-online banking isn't new. When you think of online banking, you probably think about a computer (either a desktop or laptop), a three or four step security process and then an interface that lets you view the balance of your various bank accounts and credit cards, whilst permitting you to transfer money and pay bills. And you're not wrong either. The most valuable future looks are following below:

- ✓ More branches of the bank, maybe it will be international, that means more ATM machines outside.

- ✓ Customer issues development based on their needs, so the help desk will be aware of their needs and easy to use.
- ✓ Developing a mobile App for banking system that help users to do the obtained hire operations without go to the bank only he need to sign in using his A/C NO. And password and then use your own PIN. Finally the system will update automatically.

References:

[1] https://www.w3schools.com/

[2] https://www.javatpoint.com/

[3] https://stackoverflow.com/

[4]

[5]

[6]

ACKNOWLEDGEMENT

This project would not have come to fruition without the invaluable help of our **Ms.Neha Deshmukh**. Expressing gratitude towards our HoD, **Prof. Kiran Deshpande**, and the Department of Information Technology for providing us with the opportunity as well as the support required to pursue this project. We would also like to thank our teacher Ms. Rujata Chaudhari who gave us her valuable suggestions and ideas when we were in need of them. We would also like to thank our peers for their helpful suggestions.