**Pt. DEEN DAYAL UPADHYAYA**

**MANAGEMENT COLLEGE, MEERUT**

**Major PROJECT REPORT**

**ON**

**“BANKING Management SYSTEM”**

**(AMX BANKING SYSTEM)**

For the partial fulfillment to award the degree of

BACHELOR OF COMPUTER APPLICATION

**Major Project Report Code - 605**

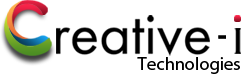
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Submitted To:

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**BCA** 3rd Year (6th Sem)

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**CREATIVE TECHNOLOGIES**

**CERTIFICATE OF MERIT**

**Summer Training & Internship Program 2021**

This is to certify that **Mr Aman Gupta, Mr Akarsh Aggarwal** Student of BCA 3rdYr has undergone 5 **weeks** of online training in **Core Java Programming** from **9thJuly, 2021 to 23rd August, 2021** conducted at **Pt. Dean DayalUpadhayay Management College, Meerut** during *Summer & Project Training Program* conducted by *Creative Technologies Pvt. Ltd.*

For Pt. DDUMC, Meerut

**Dr. Robins Rastogi**

**(HOD | BCA)**

**Index**

|  |  |  |
| --- | --- | --- |
| **S.NO.** | **Topic** | **Page No.** |
| **1.** | DECLARATION | 3 |
| **2.** | ACKNOWLEDGEMENT | 4 |
| **3.** | PREFACE | 5 |
| **4.** | INTRODUCTION | 7-9 |
| **5.** | PROJECT OBJECTIVE | 10-11 |
| **6.** | ANALYSIS WITH DFD | 12 |
| **7.** | FEASIBILITY STUDY | 13-14 |
| **8.** | HARDWARE& SOFTWARE REQUIREMENT | 15 |
| **9.** | SYSTEM DESIGN | 16 |
| **10.** | CODING | 17-32 |
| **11.** | INTERFACES | 33-38 |
| **12.** | TESTING | 39-40 |
| **13.** | FUTURE SCOPE | 41 |
| **14.** | CONCLUSION | 42-44 |
| **15.** | BIBLIOGRAPHY | 45 |

**Declaration**

We hereby declare that the project work entitled "Cryptography" submitted to the Pt. DeenDayalUpadhayaya Management College is a record of an original work done by Aman Gupta (190973106021), Akarsh Aggarwal (190973106015). The Results embodied in this thesis have not been submitted to any other university or institute for the award of any degree or diploma.

**Signature**

**Acknowledgement**

We would like to convey our sincere thanks to the HOD sir Dr.Robin Rastogi and we sincerely expressed deep gratitude to our professor Mr. Vimal Prasad of PT. DDUMC Meerut, for giving us all the Facilities needed to complete the project with in the College Campus out this major project along with its report and also their valuable guidance and useful suggestions, which helped me a lot in completing this report, on time. Finally and importantly I would like to express gratitude to my beloved parents for their blessings and my group members for the successfully completion for this major project.

**PREFACE**

This project report attempt to bring under one cover the entire hard work and dedication put in by me in the completion of the project work on Service Quality of AMX Bank.

I have expressed my experiences in my own simple way. I hope who goes through it will find it interesting and worth reading. All constructive feedback is cordially invited.

***AMX***

***BANK***

***Online***

***Banking System***

**INTRODUCTION**

AMX Bank is one of the most prestigious BANKs in India. Founder of Bank Mr. Aman Gupta in 2022 in Meerut, It’s affiliated by RBI(Reserve Bank Of India).

Life at AMX Banks on a shared commitment to academic excellence, intellectual growth, art, athletics, high standards of ethical awareness, sportsmanship, and community service. The BANK's traditions and accessibility to a broad curriculum add depth to each student’s life.  
The BANK upholds the founders' commitment to excellence in all fields, with emphasis on its motto Service Before Self.

All the academic programs and activities at AMX Bank, C.P. work towards one purpose - to help customer develop lives of significance for themselves and for others, true to the traditions of the BANK Motto "Service Before Self".

**Purpose:**

The Online Banking suite provides a global accounting foundation that provides the all private banks with electronic banking facilities. It allows client of private banks to carry out their day to day banking transactions.

**Scope:**

The Online Banking project is widely applicable with private banks. It can even be used in industries for their personal transactions (working).

**Functional components of the project:**

Following are the functional needs of the software:-

1. Customer must have a valid user ID and password to login to the system.

2. After the valid user logs in, the system shows the present balance in that particular account number.

3. Customer can perform transactions like deposit and withdrawal from his account.

4. Proper help to be provided as and when requested by the customer.

**1More functionality can be added to “enhance the project”:**

1. By adding new modules of different accounts like saving A/C, current A/C etc. to facilitate new customers/users.

2. By the use of electronic media, “Digital Signature” on the card can be provided with the customer to make it secure and efficient.

**OBJECTIVE**

**1.Changing Regulation of Banks.**

At the end of the 3rd decade of the 20th century, thousands of banks worldwide failed due to the economic recession called Great Depression.

Due to the bank failure, millions of depositors suffered from a great problem, as they didn’t get back their deposited money. To protect the interest of depositors, the deposit insurance scheme was made mandatory for banks.

And from this time, the regulation for banks began to multiply from various angles.

Previously, receiving a registration certificate or certificate of commencement of business and submitting the financial statements were considered sufficient for the controlling agencies of banks.

Some of the techniques followed by the bank regulatory authorities to control the activities of commercial banks are;

* Direction for the right price of bank services.
* Introduction of deposit insurance.
* Direction for adequate liquidity.
* Direction for capital adequacy.
* Direction for approval and non-approval of bank loan operation.
* Recruitment of directors and direction regarding recruitment and directing their duties and responsibilities.
* Loan supervision, review, and examination.
* Direction for adequacy reserve etc.
* Day by day, bank management becomes more challenging by introducing rules and regulations by bank regulatory authorities.

**2.Increasing competition due to Changing Development**

The number of served clients and quality dimensions of services is the basis of competition. The bank, which provides better service with high quality, is capable of being successful in competition.

Two banks jointly create new services that provide the customers with a sustainable competitive advantage.

Why the new benefit or service that the bank offer is unique and different from that of the other organizations requires the commercial banks to participate in the multidimensional competitive environment.

The bank, which can attract more clients, can create clients repeatedly. This technological environment absorbed more investment and new training.

So, the bank’s management creates a new strategy of banking services adjusted in the competitive banking business.

**3.Changing International Relationship.**

In the international banking business, the bank faces an extensive amount of legislation in the event of a new problem. International relations, global or bilateral, create more competition in the banking business.

Other factors, such as international trade and commerce, laws of found transfer, changes in social and cultural factors, establish a new operational management system that challenges the banking business.

In this era of modern science, a solution of competitive environment and development of international relations among banks, the bank’s management follows a strategy to merge banks in the international banking business.

All these factors stated make bank management more complex and challenging.

**Analysis with DFD**

Reply

User

Access

Valid user

**Online Banking System**

**Database**

SERVER

Registration Info

Login\_ Info

User Details

Reply

(a)

(b)

(c)

(d)

Account Transaction

Money Received

Access

Reply

Reply

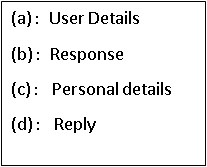
Request

Request

Transfer of money

(a)

(b)



**Feasibility Study**

**1.Understanding Feasibility**

Feasibility study means the analysis of problem to determine if It can be solved effectively. In other words it is the study of the possibilities of the proposed system it studies the work ability, impact on the organization ability to meet user’s need and efficient use of resources.

Three aspects in which the system has to be feasible are:-

**1.1 ECONOMICAL FEASIBILITY:**

The economical analysis checks for the high investment incurred on the system. It evaluates development &

implementing charges for the proposed “Banking Project”. The S/W used for the development is easily available at minimal cost & the database applied is freely available hence it results in low cost implementation.

**1.2 TECHNICAL FEASIBILITY:**

This aspect concentrates on the concept of using Computer Meaning, “Mechanization” of human works. Thus the automated solution leads to the need for a technical feasibility study.

The focus on the platform used database management &users for that S/W.

The proposed system doesn’t require an in depth technical knowledge as the system development is simple and easy to understand. The S/W (VB.NET) used makes the system user friendly (GUI). The result obtain should be true in the real time conditions.

**1.3 BEHAVIOURAL FEASIBILITY:**

Behavioral feasibility deals with the runtime performance of the S/W the proposed system must score higher than the present in the behavioral study. The S/W should have end user in mind when the system is designed while designing s/w the programmer should be aware of the conditions user’s Knowledge input, output, calculations etc.

The s/w contains only a minimum no. of bugs. Care should be also taken to avoid non-working means &t buttons.

**Hardware & Software Requirements**

**Software Required:**

The project is implemented in Core Java as it provides the implementation of Socket and Server Socket classes that are used to connect distinct applications, hence the software’s required in the creation and execution of the project are j2sdk1.7 or Eclipse .As we know JAVA is a platform independent language so this software runs with JRE environment on any desired platform i.e. Linux ,windows 9x, XP, or 2000 or any operating system.

**Hardware Required:**

Any System with Pentium P2 or above processor

62MB RAM

1GB Hard Disk

a LAN Card

any kind of mode (wireless, LAN connected etc)

**Database Tables**

**Table: Account**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Data type** | **Nullable** | **key** |
| ACC | Int | No | Primary |
| CustomerID | Int | YES | Unique |
| Balances | Float | YES |  |
| FName | Varchar(10) | YES |  |
| LName | Varchar(10) | YES |  |
| Gender | Varchar(7) | YES |  |
| Pincode | Int | YES |  |
| City | Varchar(30) | YES |  |
| Pin | Int | YES | Unique |
| EMAIL | Varchar(30) | YES |  |
| Address | Varchar(30) | YES |  |
| Mob | BigInt | YES |  |
| Pass | Varchar(50) | YES |  |
| DOB | Date | YES |  |

**Table: Balances**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Data type** | **Nullable** | **key** |
| FName | Varchar(20) | YES |  |
| LName | Varchar(20) | YES |  |
| Acc | Int | No | Foreign |
| CustomerID | Int | YES |  |
| Balance | Int | YES |  |
| Pin | Int | YES |  |

**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.

**SCOPE FOR FURTHER DEVELOPMENT**

The system can be designed for further enhancement .This could also be developed according to the growing needs of the customer.

**BIBLIOGRAPHY**

* **For Java installation**
  + - <https://www.java.com/en/download/>
* **For MySQL installation**
  + - [**https://www.mysql.com/downloads/**](https://www.mysql.com/downloads/)
* **For Net Beans IDE installation**
  + - [**https://netbeans.apache.org/download/index.html**](https://netbeans.apache.org/download/index.html)
* **Reference websites**
  + - [www.javatpoint.com](http://www.javatpoint.com)
    - [www.w3schools.com](http://www.w3schools.com)
* **Reference Books**
  + - Thinking in java