Bank Management System

A Case Study in
Integrative Programming Technologies

Bachelor of Science in Information Technology

By
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His dedication to excellence and his commitment to educating and empowering his students have deeply inspired me. His constructive feedback and encouragement have been pivotal in overcoming the challenges faced during the project's lifecycle.

I am also grateful to my peers and colleagues who have provided their feedback and assistance, as well as to my family for their endless support and patience.

This project would not have been feasible without the collective knowledge, support, and resources provided by all involved, and for that, I am immensely thankful.

ROGEL GERODIAZ

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Introduction

The advent of technology has revolutionized the way banking systems operate, making them more efficient, secure, and user-friendly. The Bank Management System that we have developed is a testament to this technological advancement, providing a comprehensive solution for managing banking operations with ease and precision.

For administrators, the system boasts an intuitive admin dashboard that serves as a command center for overseeing client accounts. It is equipped with powerful tools that enable administrators to create, read, update, and delete client accounts, ensuring that customer data is managed with the utmost efficiency and accuracy.

Clients, on the other hand, are welcomed by a user-friendly client dashboard that places essential banking services at their fingertips. This includes the ability to perform withdrawals and deposits, access transaction history, and view an activity log that records each account's interactions within the system. These features not only provide clients with a sense of control over their finances but also promote transparency and trust in the banking relationship.

Moreover, the system incorporates a valuable feature that allows for the printing of transaction histories, thereby providing both administrators and clients with physical records of banking activities for verification, reconciliation, and record-keeping purposes.

Our Bank Management System is not just a tool; it is a reliable partner for both bank administrators and clients alike, fostering a seamless banking environment that is secure, efficient, and responsive to the evolving needs of the modern banking landscape.

Purpose of the Program

1. Security: To provide a secure platform for banking transactions, ensuring that all user data is protected against unauthorized access through a login module.

2. Efficiency: To increase operational efficiency by automating routine tasks such as account creation, update, and deletion, thereby reducing the time and effort required for manual processing.

3. User Experience: To offer a user-friendly interface for both administrative and clients, making it easier for them to navigate through various banking functions and services.

4. Accessibility: To enable clients to perform essential banking operations such as withdrawals, deposits, and view transaction histories from the comfort of their hommes or offices without the need to visit a physical bank branch.

5. Transparency: To provide a transparent system where clients can access real-time transaction history and activity logs, fostering trust and confidence in the banking institution.

6. Record-Keeping: To facilitate better record-keeping practices by allowing the printing of transaction histories, aiding in personal financial management and bank audits.

7. Adaptability: To create a flexible system that can accommodate future enhancements and integrations, ensuring that the bank remains competitive and can adapt to changing technological trends.

Objectives of the Program

The Bank Management System is developed with a clear set of objectives to enhance banking operations and customer service. The key objectives of the program include:

1. Enhance efficiency by automating banking processes.
2. Strengthen security to protect user data and transactions.
3. Improve user accessibility to banking services.
4. Provide real-time transaction monitoring and history.
5. Ensure system scalability for future expansion and updates.
6. Maintain compliance with financial regulations and standards.

These objectives are aimed at creating a robust and user-friendly bank management system that meets the needs of modern banking operations while providing a secure and convenient experience for all users.

Features of the Program

1. Login Module: A secure authentication process for administrators and clients to access their respective dashboards, if a user enters incorrect login credentials three times consecutively, the system will automatically disable the account to prevent unauthorized access.

2. Admin Dashboard: A centralized control panel for administrators to manage client accounts, including the ability to create, read, update, and delete (CRUD) accounts.

3. Client Dashboard: A user-friendly interface for clients to access their personal banking features such as account balance checks, withdrawals, deposits, and more.

4. Transaction Management: A facility for clients to execute and view all their banking transactions, including deposits and withdrawals, in real-time.

5. Transaction History: Clients can review their past transactions, providing transparency and helping with personal financial tracking.

6. Activity Log: A detailed record of user actions within the system, enhancing security and accountability.

7. Print Functionality: An option to print transaction histories for offline record-keeping and documentation purposes.

These features are thoughtfully integrated into the Bank Management System to provide a reliable, efficient and user-centric banking solution.
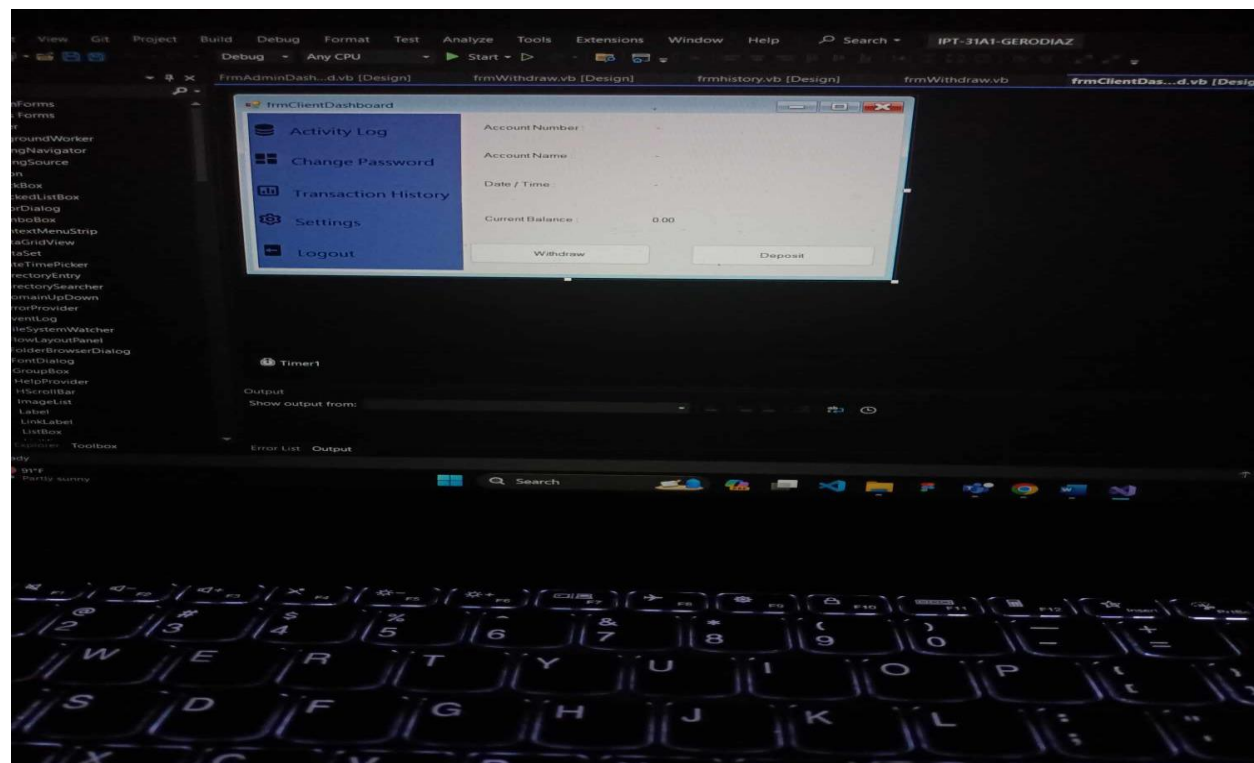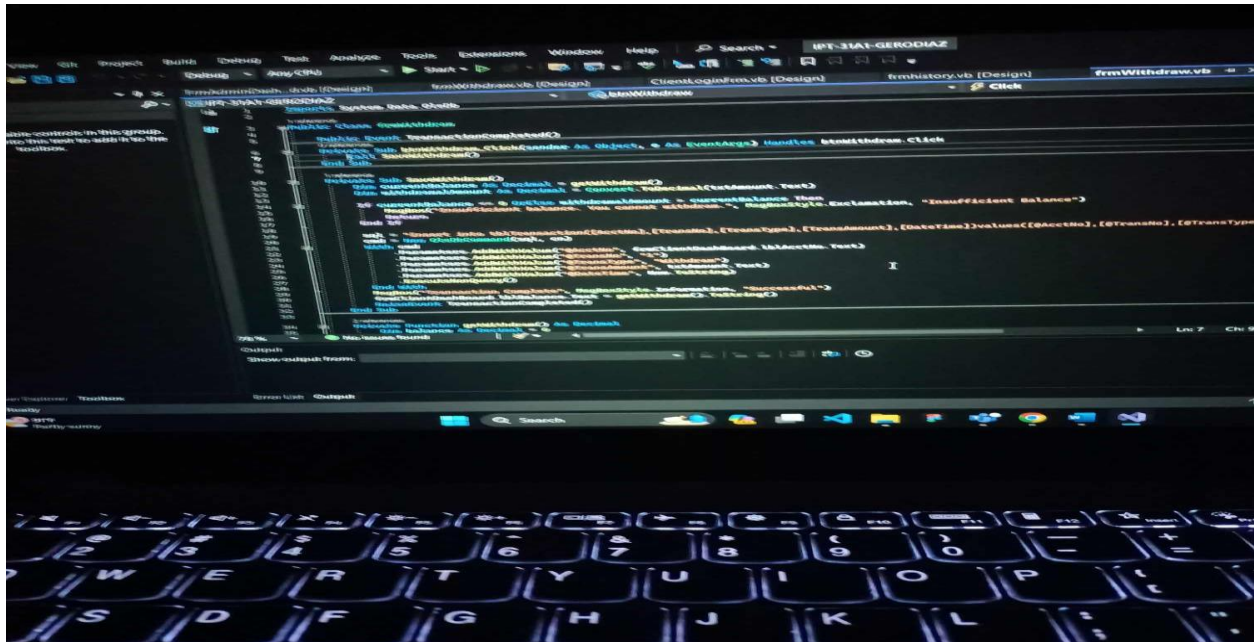
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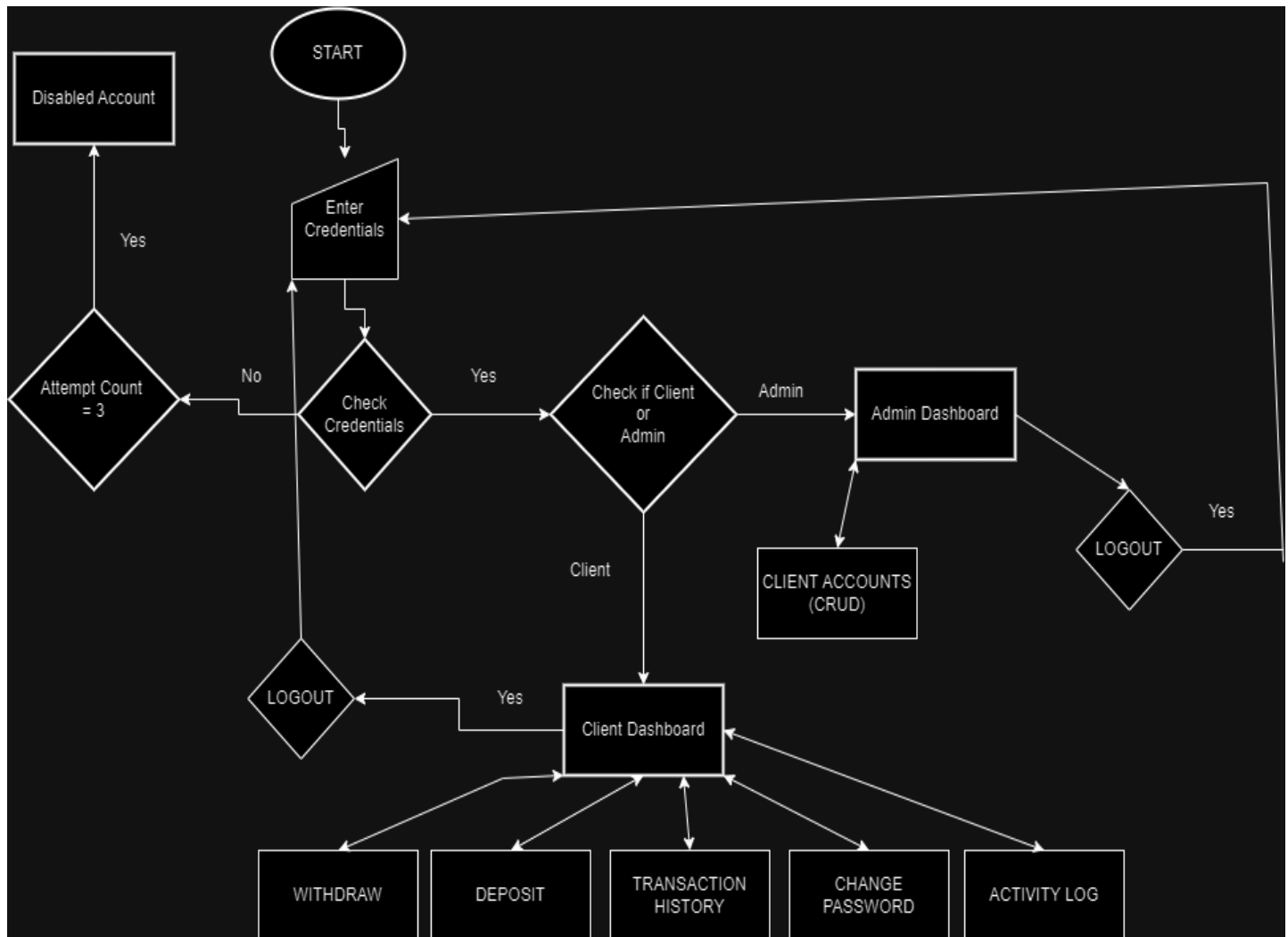
Pictures of Development

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Objective:

I aim to grow and excel in a professional setting where I can gain valuable training and experience that will refine my skills and expand my knowledge base.

PERSONAL DETAILS:

Date of Birth: June 10,2001

Sex: Male

Age: 22 years old

Marital Status: Single

Nationality: Filipino

EDUCATION: **College – 3rd year**

Lyceum Of Alabang
Present

Senior High School
Informatics Northgate College

Junior High School

LANHS

Elementary

Almanza Elementary School