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Vellore Institute of Technology
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SCHOOL OF COMPUTER SCIENCE
ENGINEERING

**BANK MANAGEMENT
SYSTEM**

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Project Report
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ABSTRACT

Bank management system can be considered as one of the most important things in the economic world. Nowadays the banking sector is a common **need** in everyday life. So, our **objective** is to provide an easier alternative to this problem through 8086.

The **outcome** is that we will be able to manage accounts more efficiently. The **Advantage** is that 8086 is a very easy to understand language and is very robust. The people who have accounts in the bank and the bank people are the **beneficiaries**. **Societal impacts** are huge as a better and efficient system will yield better performance and hence will lead to more people getting their economic wishes fulfilled.

INTRODUCTION

The fundamental target of the task is to develop an online Banking system using emu8086. In the present system all financial work is done physically. Clients need to visit the bank to Withdraw or Deposit money. In the present banking system it is additionally hard to track down account data of record holder. The primary motivation behind creating bank management system is that the executives system is to plan an application, which could store bank information and give an interface to recovering client related subtleties with 100% exactness.

In this banking system, the executives system likewise permits the client to add a new client account, erase records and the client can likewise alter existing client account data. Our system is secure as the client can make transactions only when he is done entering user id and pin. The system will check the user's existence in the database and provide the set of services with respect to the role of the user.

LITERATURE REVIEW

S. No	Paper Title	Name of the Conference/Journal, Year	Methodology
1	Managing the implementation of banking systems for repeatable success	Published in: PICMET '08 - 2008 Portland International Conference on Management of Engineering & Technology	ASAP (Accelerated SAP implementation). For the purpose of this accelerated implementation, ASAP presents a comprehensive, integrated set of activities to guide the project team through the essential parts of a SAP implementation.
2	Banking and Management Information System Automation	Part of special issue: 13th World Congress of IFAC, 1996, San Francisco USA, 30 June - 5 July	This paper introduces a rigorous approach, derived from GNOME (Ehrich et al., 1993; Saake et al., 1995), addressing, among other things, nonnative and nonnonnative behaviour, inheritance and composition and decomposition.
3	Online Banking : Benefits and Related Issues	IRACST – International Journal of Commerce, Business and Management (IJCBM), ISSN: 2319–2828 Vol. 3, No. 5, October 2014	The paper is about the benefits of Internet banking and the challenges in Online banking.

S.No	Paper Title	Name of the Conference/Journal, Year	Technology Used
4	Bank Management System	MD.Faizan, MD.Aquil Amwar, Masrurul Haque School Of Computer Science and Engineering, Galgotias University, Greater Noida, India	The project entitled “Bank management system” is a computerized telecommunications device that provides the customers of a financial institution with access to financial transactions in a public space without the need for a human clerk or bank teller (manpower).
5	APPLIED ISSUES ABOUT BANKING RISK MANAGEMENT	Elena Geanina CLIPICI1 1 Ms Spiru Haret University, Faculty of Economic Sciences, Fabricii Street, no. 46G, Bucharest, 030045, Romania, 2017	The following paper emphasizes the need to deepen the understanding of the notion of banking risk management by explaining the significant risks the bank encounters during financial exercises, as well as their additional entries.

S.No	Paper Title	Name of the Conference/Journal, Year	Technology Used
6	Pathways to Sustainable Banking Management	Dragan (Santamarian) Oana Raluca "Babes – Bolyai" University, Cluj Napoca, Faculty of Economics and Business Administration	This paper describes one of the major challenges of the future: the sustainable development of the society. Sustainability is now increasingly recognized as central to the growth of emerging market economies. For the banking sector, this represents both a demand for greater social and environmental responsibility as well as a new landscape of business opportunity
7	Bank Management System	Volume-7, Issue-3, May-June 2017 International Journal of Engineering and Management Research Page Number: 547-549	In this paper modules such as Main menu, admin, manager, account creation, amount withdraw, deposits and report have been.

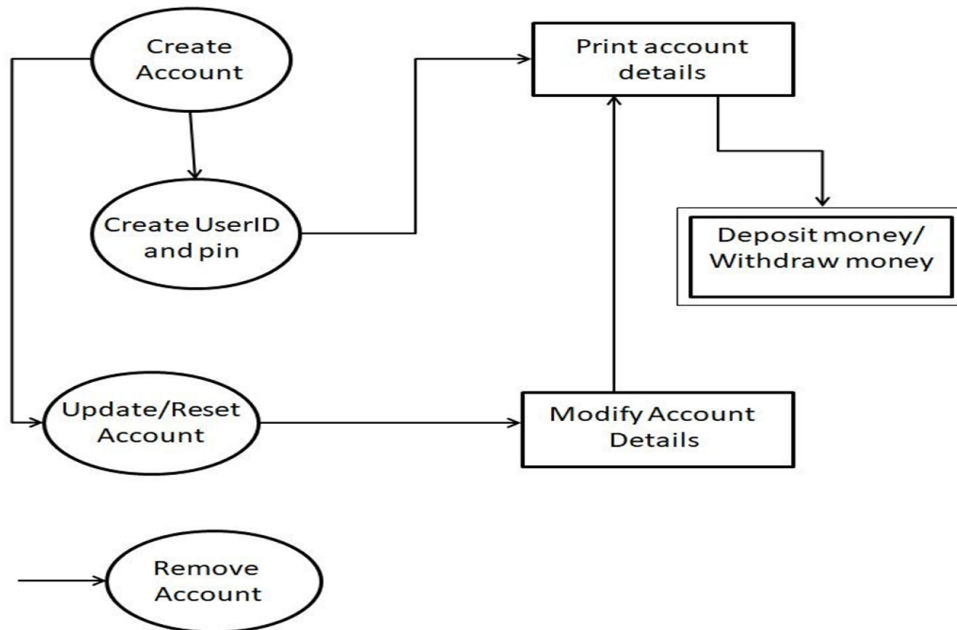
DRAWBACKS

- Require more physical labour work and manpower
- Manual entry and editing of account details takes time
- Safety of paper documents from any kind of disaster and loss of information
- No backup of information

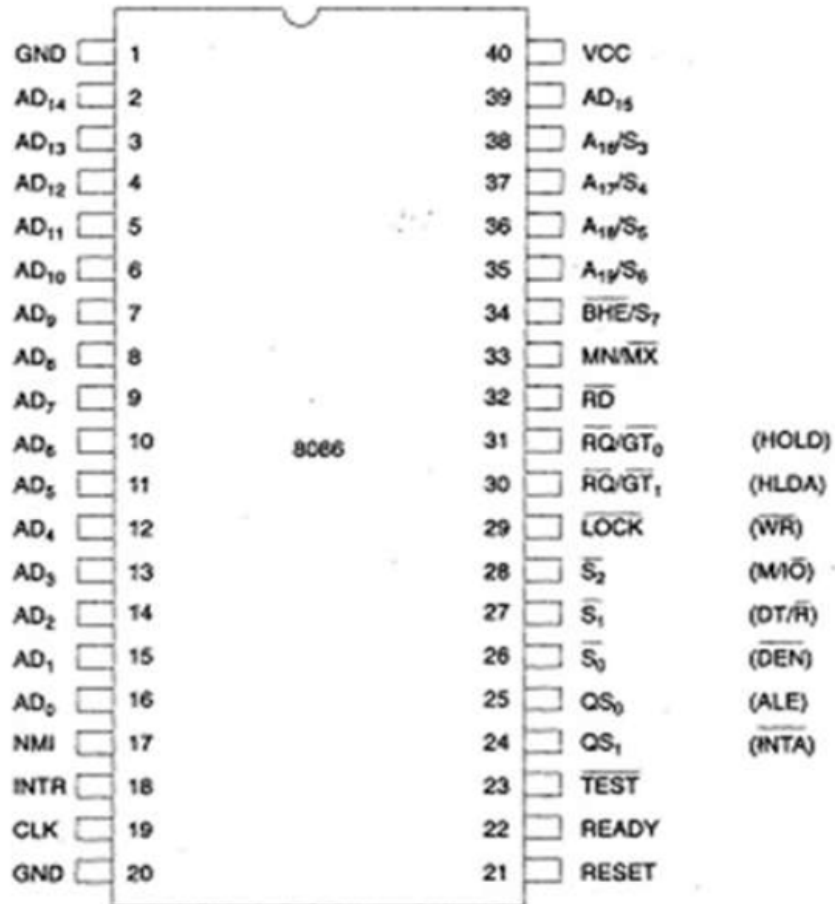
PROPOSED WORK

We have used emu 8086 to develop a bank management system which lets users create, delete, withdraw, deposit and also makes the user enter his/her pin. The outcome is that we will be able to manage accounts more efficiently, which could store bank information and give an interface to recovering client related subtleties with 100% exactness. So, our **objective** is to provide an easier alternative to this problem through 8086. Also, our system uses the pin verification and linking method. In this, the users' accounts are linked to their respective unique pins, which are then later used for verification by the system as well as to ensure that the user is accessing his own account. Our proposed system keeps the above drawbacks in mind and tries to resolve those issues to the best of its capability.

BLOCK DIAGRAM



PIN DIAGRAM



IMPLEMENTATION

We have used emu8086 for implementing our Bank Management System. The system implemented by us has various functionalities, which we will explain here.

6.1 Menu option

This will be executed in the beginning of the code and this will present the user with choices about various functions that the user can perform using our system. These will include, create account, print account details, withdraw money, deposit money etc. The user will then be asked to select one of the functions that he wants to perform and upon selecting that, further respective functions will be executed by our code.

6.2 Create New Account

This is the first function that any bank management system has to perform. This function allows the user to create his account in our system. The system takes two inputs from the user in the form of the account name that he wants and an account pin that he wants. The account pin associated with an account is unique and is used in other functions to identify the account. After, these inputs are given by the user and the function is executed, an account of the user is created with zero amount deposited in it.

6.3 Print Account Details

This function allows the user to print the details of his account. The details printed include the name of the account holder, the pin of the account and the amount that is currently present in the account. The user will be asked to specify their pin number they have linked to the account, this will help the system to ensure that the account's respective holder is only trying to access the information. This pin also allows the system to show the details of the correct bank account.

6.4 Withdraw Money

This function will allow the user to access the amount he has in his account and withdraw it according to his leisure. The system to ensure that the account holder is only withdrawing money, asks for the account pin linked to the account. Once the pin is verified by the system, then the user is given an option on how much money he wants to withdraw. After the amount is specified the system checks whether that amount is present in the account or not, if it is present then the amount is withdrawn successfully and if not then an error message is shown telling that not enough money is present in the account.

6.5 Deposit Money

This function will allow the user to deposit the amount in his respective account. The system asks the user for his account pin to verify the user and also to link the user to his account. Once the verification is complete, the user is presented with the option of how much money he wants to deposit in his account. After the user specifies the amount, that much amount is added to his account.

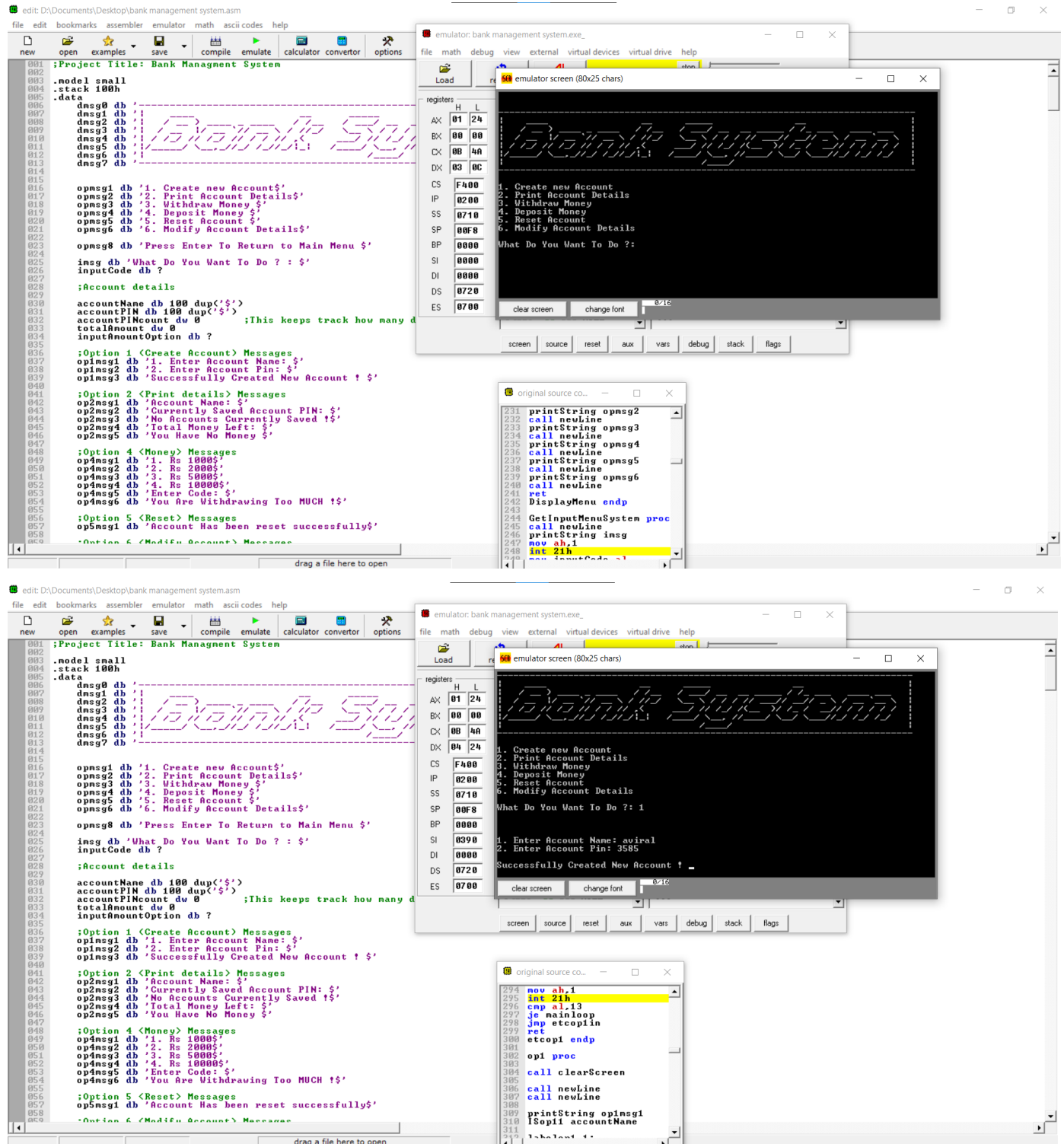
6.6 Reset Account

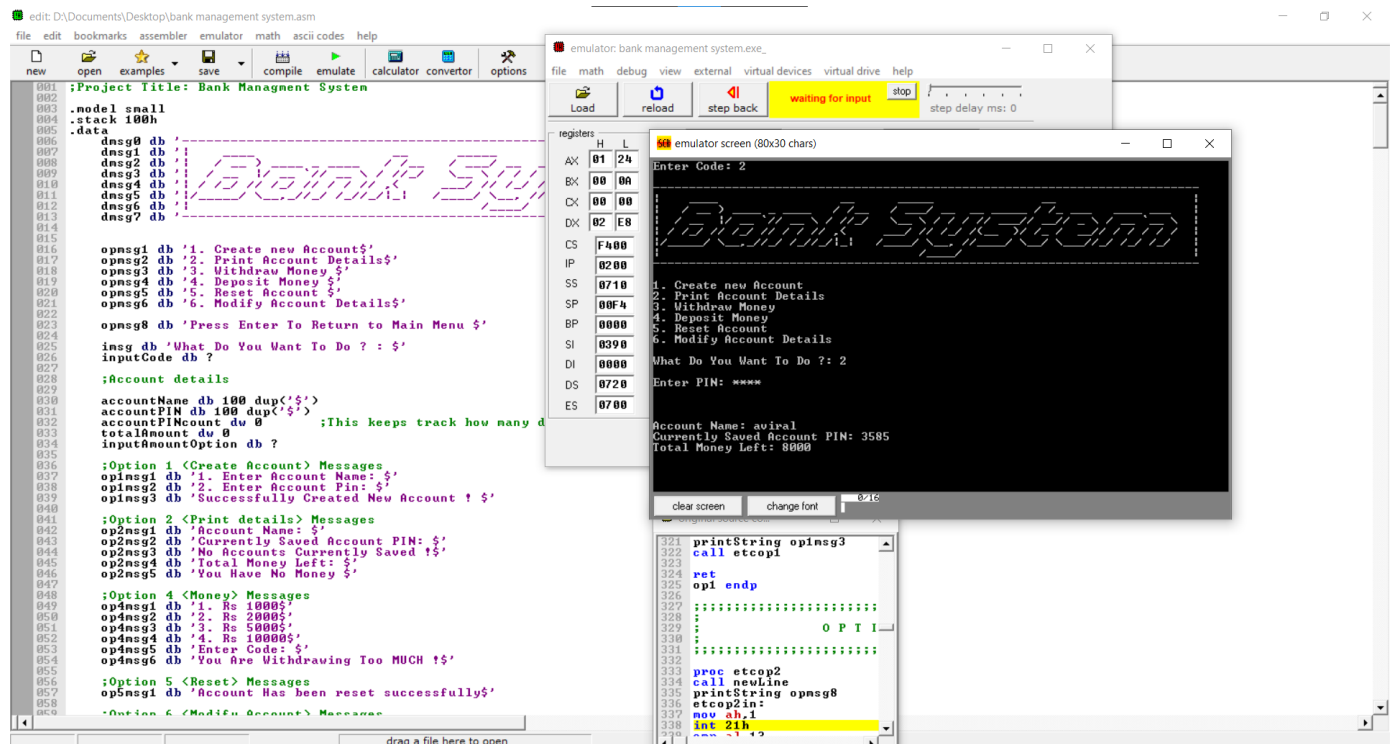
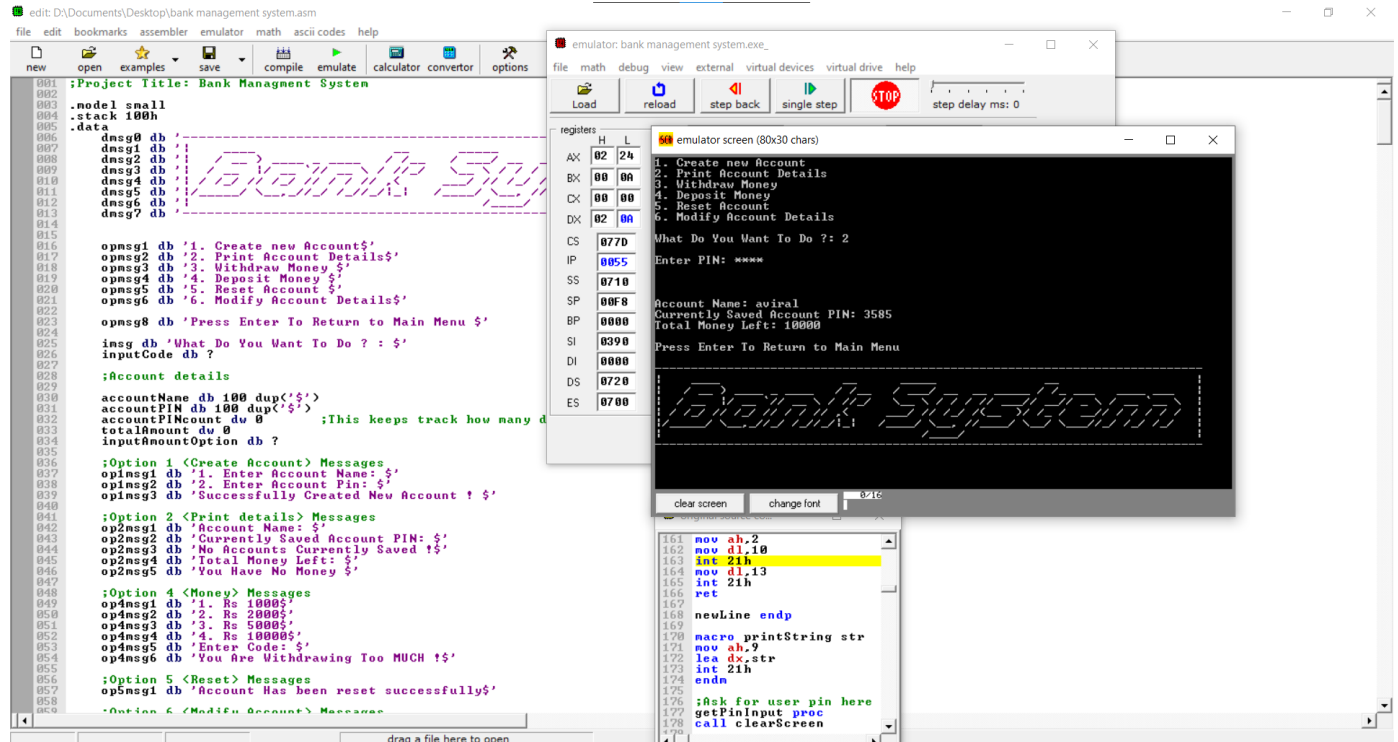
This function can be used by a user if he wants to remove his account from our bank management system. If the user selected these options, then he has to provide the system with an account pin number, to verify the user and to link him to the correct account. After verification is complete successfully, all the details about the account are erased from our bank management system.

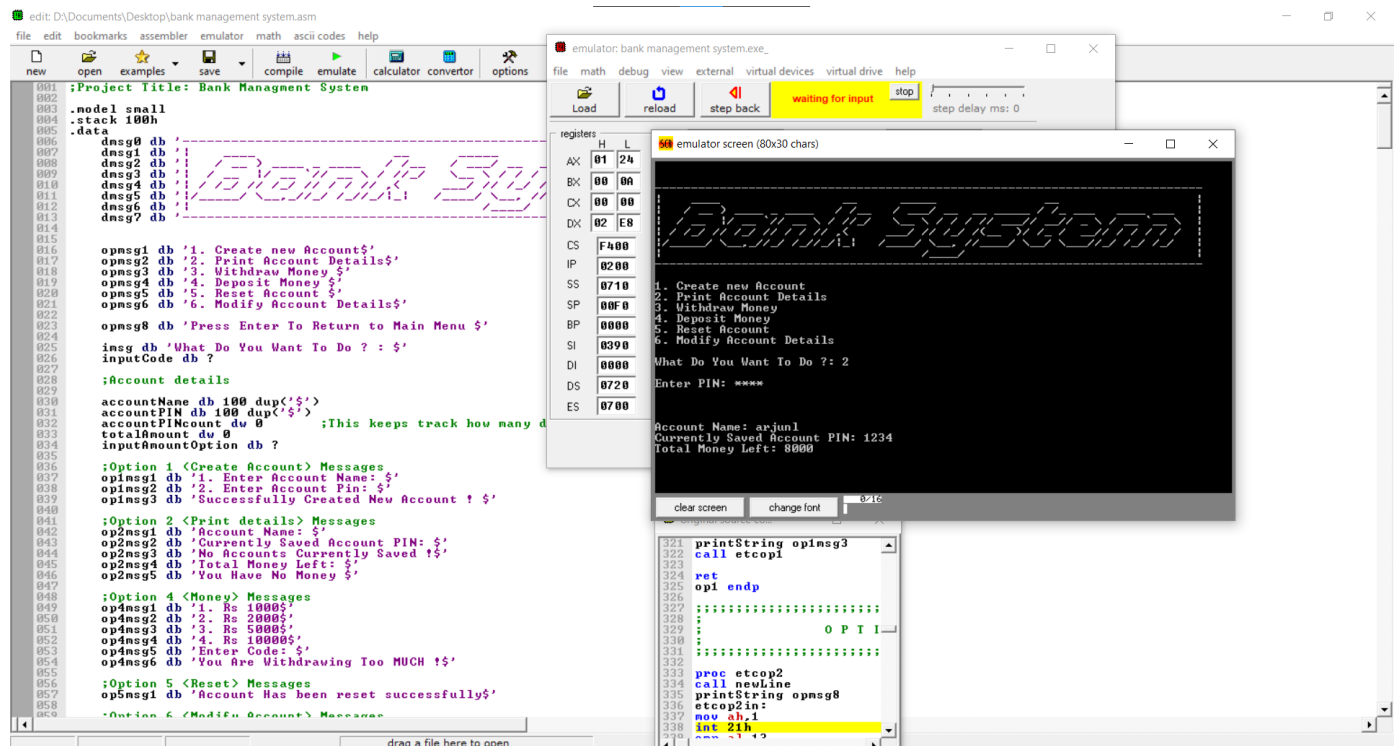
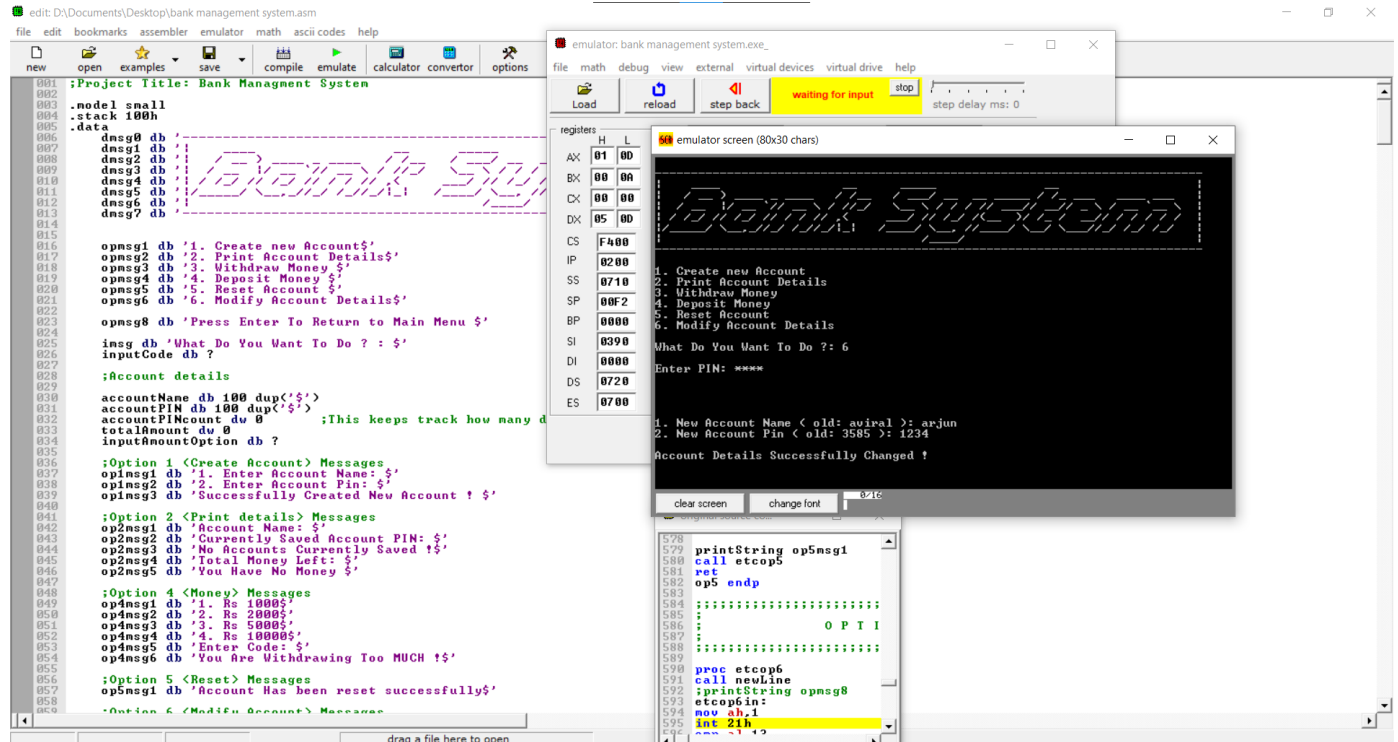
6.7 Modify Account Details

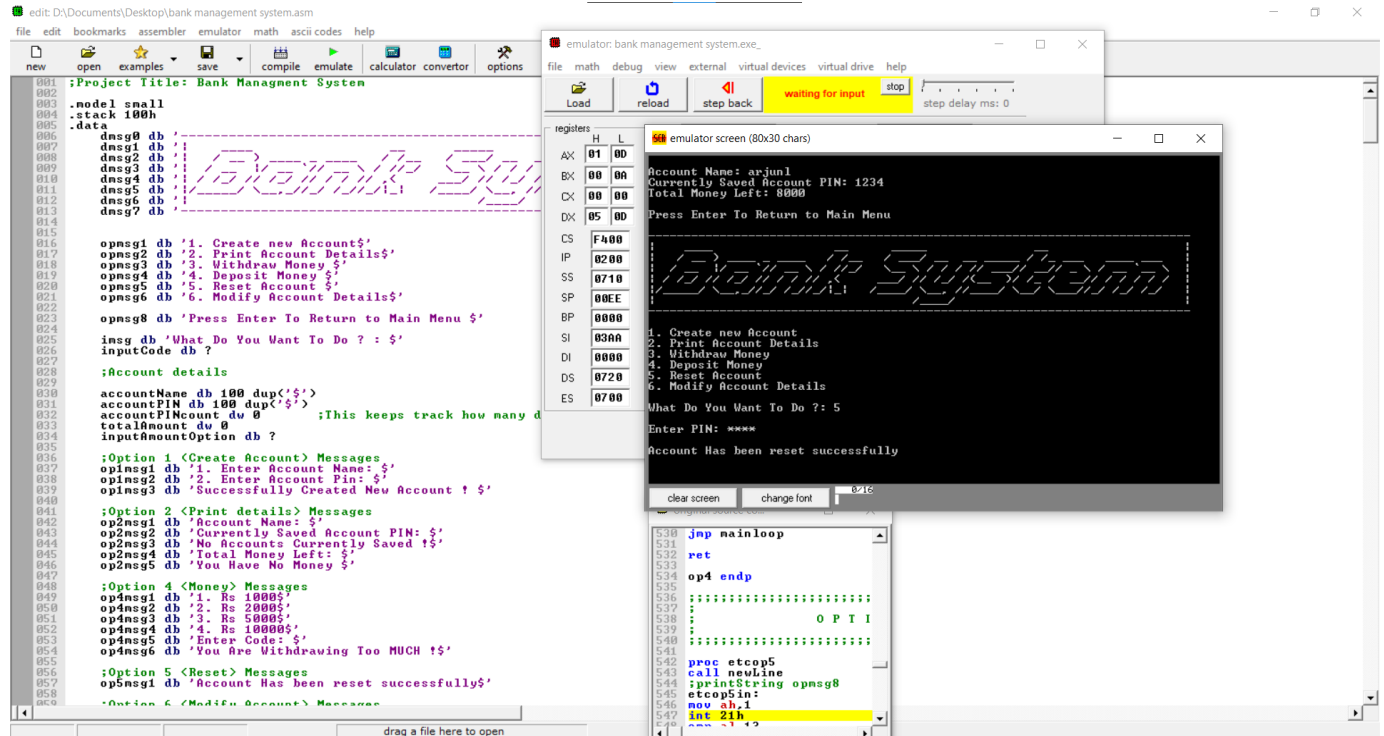
This option lets the user modify or change his details stored in the system. The user first gives his pin for verification. After verification is completed, the user is asked to enter the new account name, if the user wishes to change the account name, he can mention the new name and if not then he can mention the old name only. Similarly, after name the user is asked to enter the new pin and if the user wants to change it then he can mention the new pin or if he does not want to change then he can mention the same old pin. After the successful execution of this function, the account details will be updated in our system, and if we now print the account details with a modified pin, then we will be able to see the modified account details with the old amount of money that was already present in the account.

SCREENSHOTS (OUTPUT)









RESULT

We have successfully implemented the bank management system using EMU806 with all the functionalities we had on our mind.

CONCLUSION

We have successfully designed and implemented this Bank Management system using emu8086 which provides a more secure approach in managing bank customer's information and strengthens the relationships between banks and their customers by providing the right solutions that uses a multilevel security to improve customer satisfaction. Bank management gadget is saving time with accuracy more than a manual system. Online banking has been very beneficial as the client will be able to make secured transactions whenever they want to.

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APPENDIX

1.) EMU8086

The 8086 Microprocessor Emulator, otherwise called EMU8086, is an emulator of the program 8086 chip. It is made with an inherent 8086 constructing agent. This application runs programs on both PC work areas and PCs. This instrument is fundamentally intended to duplicate or imitate equipment.

2.)Bank management

The need for a bank management system is as old as money itself; it is a requirement for any developed society .

3.) Pin

An individual distinguishing proof number, or once in a while needlessly a PIN number, is a numeric password utilized during the time spent confirming a client getting to a framework.

4.) Digital Banking

Advanced Banking is the mechanization of customary financial administrations. ...
Computerized banking means to digitize all of the financial tasks and substitute the bank's actual presence with a never-ending web presence, taking out a customer's need to visit a branch.

PLAGIARISM REPORT

PLAGIARISM SCAN REPORT

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