

AUTOMATED BANKING SYSTEM

1.PROBLEM DEFINITION: -

To develop an automated banking system, which is required to perform the following functions:

- 1.1 The customer logs into the system using card number and pin number. The system checks for validation.
- 1.2 The system queries the customer for the type of account either fixed deposit or credit account. After getting the type of account the system shows the balance left.
- 1.3 The system queries the customer for the transaction type either withdrawal or deposit and the required amount. The user enters the amount and the transaction if carries out

2.0 SRS DOCUMENT FOR AUTOMATED BANKING SYSTEM :-

2.1 INTRODUCTION :-

2.1.1 Purpose

2.1.1.1 The purpose of this SRS is to describe the requirements involved in developing an Automated Banking System (ABS).

2.1.1.2 The intended audience is any person who wants

2.1.1.2.1 To create account.

2.1.1.2.2 To withdraw or deposit either in fixed deposit or credit account.

2.1.2 Scope

2.1.2.1 The product is titled Automated Banking System (ABS).

2.1.2.2 The product will perform the following tasks

2.1.2.2.1 Allow a new user to create an account, either fixed or credit account by entering the details and by depositing an initial amount.

2.1.2.2.2 Allow the existing user to enter his account details like card number, pin number and account type to view his balance.

2.1.2.2.3 Allow the existing user to deposit an amount by entering the amount to be deposited after the balance had been viewed.

2.1.2.2.4 Allow the existing user to withdraw an amount by entering the amount to be withdrawn after the balance had been viewed.

2.1.2.2.5 The primary benefits expected of the system are: user friendly, continuous connectivity without failure, fault tolerant and involves lesser manpower.

2.2 THE OVERALL DESCRIPTION :-

2.2.1 Product perspective

2.2.1.1 Hardware interfaces

2.2.1.1.1 Hard disk: The database connectivity requires a hardware configuration that is on-line. This makes it necessary to have a fast database system (such as any RDBMS) running on high rpm hard-disk permitting complete data redundancy and backup systems to support the primary goal of reliability.

2.2.1.1.2 The system must interface with the standard output device, keyboard and mouse to interact with this software.

2.2.1.2 Software interfaces

2.2.1.2.1 Back End: Oracle

2.2.1.2.2 Front End: Microsoft Visual Basic 6.0

2.2.1.3 Operations

2.2.1.3.1 The user can create a new account.

2.2.1.3.2 The existing user can access his account and view his balance by entering his details.

2.2.1.3.2 The user can deposit and withdraw money from his account.

2.2.2 Product Functions

2.2.2.1 Creating a New Account

The user should provide his personal details to facilitate the bank clerk to create a new account. The user should provide:

2.2.2.1.1 Customer Name.

2.2.2.1.2 Customer address.

2.2.2.1.3 Required account type.

2.2.2.1.4 Pin Number.

2.2.2.1.5 Initial deposit.

2.2.2.2 Operating with created account

The user should be able to operate with his new account after:

2.2.2.2.1 Entering card number.

2.2.2.2.2 Entering pin number.

2.2.2.2.3 Entering the account type, transaction type and amount involved in the transaction.

2.2.3 User characteristics

2.2.3.1 The intended users of this software need not have specific knowledge as to what is the internal operation of the system. Thus the end user is at a high level of abstraction that allows easier, faster operation and reduces the knowledge requirement of end user

2.2.3.2 The Product is absolutely user friendly, so the intended users can be the naive users.

2.2.3.3 The product does not expect the user to possess any technical background. Any person who knows to use the mouse and the keyboard can successfully use this product.

2.2.4 Constraints:

2.2.4.1 At the time of creating the new account, each user gives a pin number and is provided with a unique card number that must be used for further transactions. Hence the user is required to remember or store these numbers carefully.

2.2.4.2 At the time of creating the new account, the initial deposit should not be less than the specified amount.

2.3 SPECIFIC REQUIREMENTS :-

2.3.1 Logical Database Requirements

2.3.1.1 The system should contain databases that include all the necessary information for the product to function according to the requirements. These include relations such as Customer Details and Account Details.

2.3.1.2 Customer details refer to the customer's name and address. Account details of the customer include the card number, account type, transaction type and the pin number given by the user to be used at the time of the transaction at the bank.

2.4 FRONT – END DESCRIPTION :-

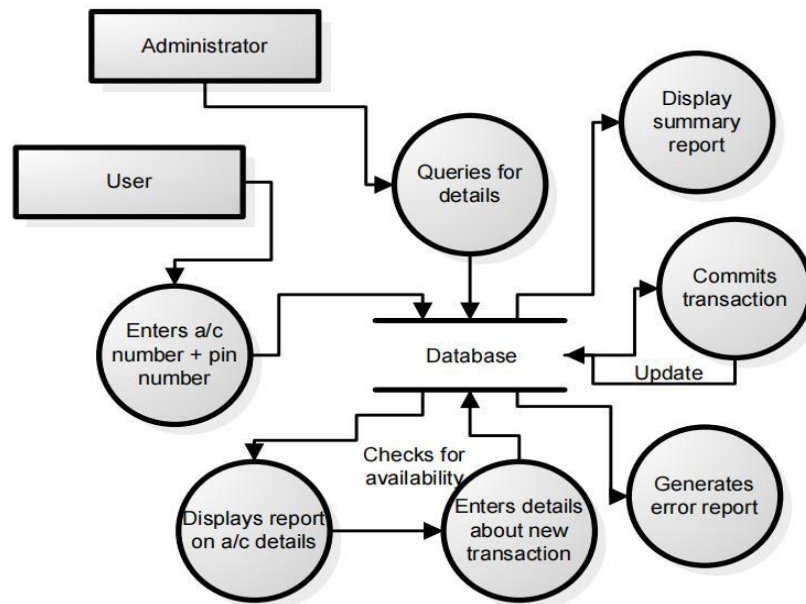
The front end for the Automated Banking System (ABS) is designed using Microsoft Visual Basic 6.0. The front end contains a user-friendly interface. The first form contains a welcome screen that provides an option for the user to either create a new account or to operate through an existing account. The “create account” module

contains a provision to create a new account after collecting the customer name, address and other details. The card number and pin number of the user is obtained every time there is a transaction. The user is requested to select the required type of transaction and the amount involved in the transaction.

2.5 BACK – END DESCRIPTION :-

The Automated Banking System (ABS) database contains only one table. It correlates a unique card number, customer name, account type, pin number and the balance.

2.6 DATA FLOW DIAGRAM:



FORM NAME	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	STATUS
MAIN FORM	Existing User	Menu Form Must Be Displayed	Menu Form Was Displayed	Pass
MENU FORM	Card And Pin Numbers	Validate Card and Pin Number	Card And Pin Number Were Validated	Pass
CUSTOMER DETAILS	User Details Entered	Create A New Account	New Account Was Created	Pass
DEPOSIT FORM	Amount To Be Deposited Is Entered	Deposit Amount	Amount Was Deposited	Pass
WITHDRAW FORM	Amount To Be Withdrawn Is Entered	Withdraw Amount	Amount Was Withdrawn	Pass