

User Manual

For

Automatic Banking Machine

Version 2.0

Prepared by

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1 Purpose

The purpose of this user manual is to educate customers on the correct procedures for using the MacBankTM ABM software. It also provides a section for troubleshooting errors.

2 How to use this document

When using this document for the first time customers should read through the entire document and become familiar with all the functions of the software and how to use them. If the user is experiencing an error while using the software they can easily refer to the Error troubleshooting section of this document for quick referencing of errors.

3 Logging in

When the user approaches the ABM machine they will see the welcome screen in which they will have to enter a valid card number and a pin number. If the verification of both numbers are successful then they will be directed to the transaction menu. If they are invalid an error for invalid card (or pin) will appear. If invalid numbers are entered more than 3 times the user will be locked out of their account as a security measure and will have to contact the Bank Staff for help.

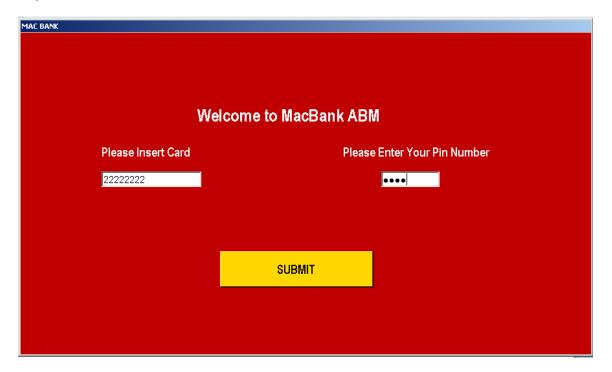


Figure 1: Log in screen

4 Transaction Screen

After the user's pin has been verified they will come to the transaction screen. At this screen they will have the option to choose between four different options as shown below. These are deposit, withdraw, transfer and balance inquiry. These will be discussed in detail in the following subsections. After each transaction is completed successfully A receipt is shown (as seen below) and the user is asked if they want to continue banking. If yes is selected they are redirected to the transaction screen and if no then to the log in screen.

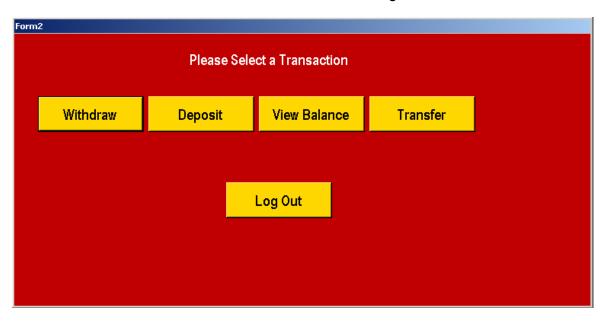


Figure 2: Transaction Screen

4.1 Deposit

When this option is chosen the deposit screen will be shown as below. The user will be required to select several options. They need to indicate whether the deposit is in cash or is a cheque. They also need to enter the amount of the deposit and to which account the deposit is going into.

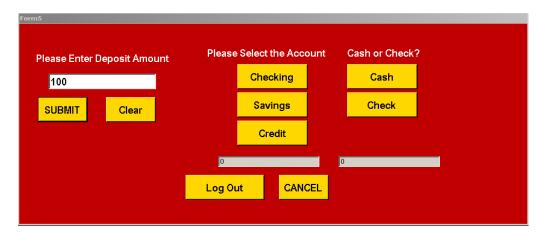


Figure 3: Deposit screen

4.2 Withdraw

At the withdraw screen the user needs to indicate which account they would like to withdraw money from as well as the amount they would like to withdraw. The user cannot withdraw more than \$500.00 in one session. If they attempt to perform this operation they will receive an error saying "The amount exceeds the limit please select another amount". If the bank vault is below \$10 000, a low vault error will appear and redirect the user to the transaction screen. The other error which could appear while trying to withdraw is if the user attempts to withdraw more than they have in the selected account. The error "insufficient funds" appears in this case.



Figure 4: Withdraw Screen

4.3 Transfer

At the transfer screen the user will have to enter the outgoing account, receiving account and the transfer amount. If a mistake is made the Clear All button clears all the fields. The cancel button takes the user back to the transactions menu. When submit is clicked the transaction is processed and if successful a receipt is printed. If the user selects the same account as receiving and outgoing an error "Invalid account selection, Please select valid account" is displayed.

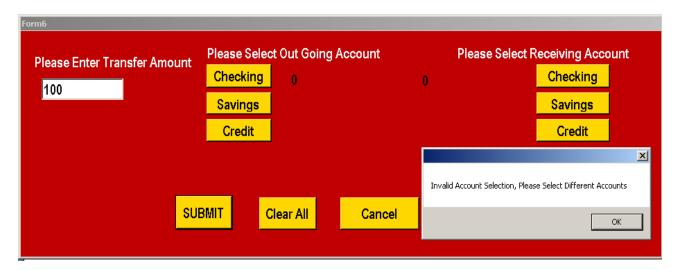


Figure 5: Transfer Screen with example of Invalid account error

4.4 Balance Inquiry

When the user selects the View balance screen they are allowed to select the account balance they want to view. They are also able to logout if they so choose or they can return to the transactions menu by selecting the cancel button. The View Balance screen is shown below.

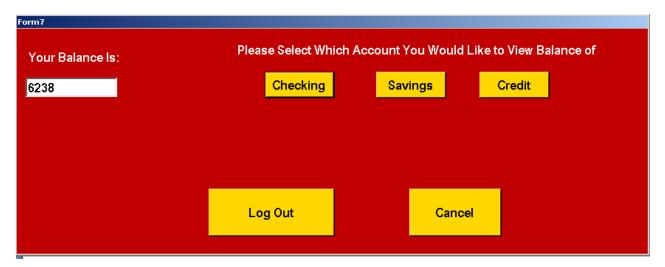


Figure 6: View Balance Screen

5 Other functionalities

5.1 Logging off

When the log off button is clicked on any of the screens it allows to user to be taken back to the Main Menu so another user can log on. The ABM system is designed to one facilitate one user at a given point in time.

5.2 Cancelling a Transaction

When Cancel button is clicked the transaction in progress is cancelled and The user is directed to the Transactions screen.

5.3 Submit button

This button is on every type of transaction screen and is clicked when the user is sure all the data they entered is correct.

5.4 Continue Banking

When the user selects Continue Banking they are directed to the transactions screen.

5.5 Printing Receipt

After each successful transaction a receipt is displayed with the date and time as well as the details of the transaction. An example receipt is shown below.



Figure 7: Receipt Example for a Deposit

6 Error Troubleshooting

Error	Solution
	You are trying to withdraw more than you have in the account.
Insufficient Funds	Try withdrawing from another account or withdraw less.
	The Vault amount is below \$10000 dollars. The staff needs to
Low vault alert	refill the vault.
	You may have selected the same account as outgoing and
invalid account selection	receiving. Try selecting different accounts.
invalid pin	Try re-entering your pin
invalid card number	Try re-entering your card number
	You have entered an invalid number more than 3 times you
Card blocked	need the bank staff to reset your account
Withdraw amount exceeds limit	You cannot withdraw more than \$500 at one time.

Table 1: Troubleshooting Table