

Banking Application User Manual

CS 3230
Professor Yong Zhang
Midterm Project

Created by:
Porter Okey
Roque Dominguez
Nathan Cummings

Table of Contents

Creating a New Account	2
Logging In as an Account Holder	3
To Make a Deposit	3
To Make a Withdrawal	4
To Check Account Balance	4
To View Transaction Details	5
To Transfer Money to Another Account	5
To Log Out	6
Logging In as a Bank Employee	7
To Access an Existing Account	7
To Make a Deposit	8
To Make a Withdrawal	8
To Check Account Balance	9
To View Transaction Details	9
To Transfer Money to Another Account	10
To Delete an Account	10
To Log Out	11
To Create a New Account	11
To List All Accounts	11

Creating a New Account

Once the software is running, enter "3" to create a new account.

```
Login (1 for Existing Account Holder, 2 for Employee, 3 for New Account)
3
```

Enter your first name

```
Enter First Name:
John
```

Enter your last name

```
Enter Last Name:
Doe
```

Enter what type of account you want

```
Enter the type of account: (PERSONAL, BUSINESS, CHECKING, SAVINGS, LOAN, CD, CREDIT)
PERSONAL
```

An account number will be displayed. Make sure to remember this number or write it down, because it will be used to login to the account in the future.

```
Your Account Number Is: 100003
```

Logging In as an Account Holder

Once the software is running, enter “1” to log in as an account holder.

```
Login (1 for Existing Account Holder, 2 for Employee, 3 for New Account)
1
```

You will be prompted to enter your account number.

```
Account Holder
Enter Account Number:
100003
```

Once you are logged in, you will be presented with a menu screen where you can make a deposit, make a withdrawal, check your balance, transfer money to another account, view account transaction details, or log out of the system.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
```

To Make a Deposit

Enter “1” to make a deposit

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
1
```

Enter the amount you would like to deposit.

```
How much do you want to deposit?
350.00
```

Your new balance will be displayed.

```
Balance: 350.0
```

To Make a Withdrawal

Enter "2" to make a withdrawal.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
2
```

Enter the amount you would like to withdraw.

```
How much do you want to withdraw?
100.00
```

If your account has sufficient funds, it will withdraw the money and display your new balance.

```
Balance: 250.0
```

If your account has insufficient funds, it will display the error message and your balance before going back to the menu screen.

```
Insufficient Funds
Balance: 250.0
```

To Check Account Balance

Enter "3" to check your balance.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
3
```

Your balance will then be displayed.

```
Your Balance is: 250.0
```

To View Transaction Details

Enter "4" to view transaction details.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
```

4

You transactions will be displayed.

```
[Date: 2019/07/17
Transaction: Walmart
Amount: 100.0
*****
, Date: 2019/07/17
Transaction: McDonalds
Amount: 25.23
*****
```

To Transfer Money to Another Account

Enter "5" to transfer money to another account.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press -1 to log out
```

5

Enter the account number you would like to transfer the money to.

```
Enter the other account number:
100002
```

Enter the amount you would like to transfer.

```
Enter an amount to transfer:
100.00
```

If your account has sufficient funds, it will transfer the money and display your new account balance.

```
Balance: 150.0
```

If your account has insufficient funds, it will display the error message and your balance and then take you back to the menu screen.

```
Insufficient Funds  
Balance: 150.0
```

To Log Out

To log out of your account, enter “-1” at the menu screen.

```
Welcome: John Doe  
Account Type: Personal  
  
Press 1 to deposit funds  
Press 2 to withdraw funds  
Press 3 to view balance  
Press 4 to view transaction details  
Press 5 to transfer funds to another account  
Press -1 to log out  
-1
```

Logging In as a Bank Employee

Once the software is running, enter “2” to login as a bank employee.

```
Login (1 for Existing Account Holder, 2 for Employee, 3 for New Account)
2
```

Once you are logged in, you will be presented with a menu screen where you can access an existing account or create a new account for a customer.

```
Employee
Press 1 to access a current account. Press 2 to create a new account. Press 3 to list all accounts
```

To Access an Existing Account

Enter “1” to access an existing account.

```
Employee
Press 1 to access a current account. Press 2 to create a new account. Press 3 to list all accounts
1
```

Enter the account number of the account you want to access

```
Enter Account Number:
100003
```

A menu will be displayed, giving you the option to make a deposit, make a withdrawal, view the balance, view transaction details, transfer funds to another account, or delete the account.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
```


To Make a Deposit

Enter "1" to make a deposit

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
1
```

Enter the amount you would like to deposit.

```
How much do you want to deposit?
350.00
```

Your new balance will be displayed.

```
Balance: 350.0
```

To Make a Withdrawal

Enter "2" to make a withdrawal.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
2
```

Enter the amount you would like to withdraw.

```
How much do you want to withdraw?
100.00
```

If your account has sufficient funds, it will withdraw the money and display your new balance.

```
Balance: 250.0
```

If your account has insufficient funds, it will display the error message and take you back to the menu screen.

```
Insufficient Funds
Balance: 250.0
```

To Check Account Balance

Enter "3" to check your balance.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
3
```

Your balance will then be displayed.

```
Your Balance is: 250.0
```

To View Transaction Details

Enter "4" to view transaction details.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
4
```

You transactions will be displayed.

```
[Date: 2019/07/17
Transaction: Walmart
Amount: 100.0
*****
, Date: 2019/07/17
Transaction: McDonalds
Amount: 25.23
*****
```

To Transfer Money to Another Account

Enter "5" to transfer money to another account.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
5
```

Enter the account number you would like to transfer the money to.

```
Enter the other account number:
100002
```

Enter the amount you would like to transfer.

```
Enter an amount to transfer:
100.00
```

If your account has sufficient funds, it will transfer the money and display your new account balance.

```
Balance: 150.0
```

If your account has insufficient funds, it will display the error message and take you back to the menu screen.

```
Insufficient Funds
Balance: 150.0
```

To Delete an Account

Enter "6" to delete an account.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
6
```

The current account will be deleted and you will be brought back to the main menu screen.

```
Login (1 for Existing Account Holder, 2 for Employee, 3 for New Account)
```

To Log Out

To log out of your account, enter “-1” at the menu screen.

```
Welcome: John Doe
Account Type: Personal

Press 1 to deposit funds
Press 2 to withdraw funds
Press 3 to view balance
Press 4 to view transaction details
Press 5 to transfer funds to another account
Press 6 to delete this account
Press -1 to log out
-1
```

To Create a New Account

Enter “2” to create a new account.

```
Employee
Press 1 to access a current account. Press 2 to create a new account. Press 3 to list all accounts
2
```

Enter the customer first name.

```
Enter First Name:
John
```

Enter the customer last name.

```
Enter Last Name:
Doe
```

Enter the type of account you want.

```
Enter the type of account: (PERSONAL, BUSINESS, CHECKING, SAVINGS, LOAN, CD, CREDIT)
PERSONAL
```

The new account number will be displayed.

```
Your Account Number Is: 100003
```

To List All Accounts

Enter “3” to list all accounts.

```
Employee
Press 1 to access a current account. Press 2 to create a new account. Press 3 to list all accounts
3
```

A list of all accounts will be displayed.

```
100000 Porter Okey
100001 Nathan Cummings
100002 Roque Dominguez
```