TUS Bank Application

# Algorithm

Import scanner class.

main ()

1. Display welcome message.
2. Initialize Array list of type Account.
3. Call the main menu method.

mainMenu()

1. Create a new scanner to read keyboard input.
2. Display the main menu.
   * 1. Make a deposit.
   * 2. Make a withdrawl.
   * 3. Check account balance.
   * 4. Staff Menu
   * 5. Exit
3. Create variable named “userInput” of type int to store the users input using the scanner class.
4. Use an if statement to call a method related to the user input.
   * If the user selects “1.” Call the method **depositFunds().**
   * if the user selects “2.” Call the method **withdrawFunds().**
   * If the user selects “3.” Call the method **checkBalnce().**
   * If the user selects “4.” Call the method **staffMenu().**
   * Else, exit the system using the System.Exit() method.

depositFunds()

withdrawFunds()

checkBalance()

1. Create a new scanner.
2. Print out “Check Balance”
3. Ask the user for their account number using System.out.print.
4. Read the input using the scanner and store the user input in a variable named “accNo” of type int.
5. Use a for loop to iterate through the Array List accounts.
   1. Use an if statement to compare the “accNo” with the accounts arraylist items. Use the getAccId() method.
   2. Print the account balance.
6. Call the method **mainMenu()** to return the user to the main menu.

staffMenu()