```
import java.util.scanner

class Account {
    int accountNumber;
    String accountHolderName;
    double balance;
    String email;
    String phoneNumber;

    public Account(int accountNumber, String accountHolderName, double balance,
      String email, String phoneNumber) {
        this.accountnumber = accountNumber;
        this.balance = balance;
        this.phoneNumber = phoneNumber;

    Public String deposit(double amount) {
        if(amount > 0) {
            balance = balance + amount;
            return "Money deposited successfully. New Balance is:" +
                balance;
        } else {
            return "Amount must be positive";
        }
    }

    Public String withdraw(double amount) {
        if(amount <= 0) {
            return "Amount must be positive";
        } else {
            return "Insufficient balance";
        }
    }
```

```
public String displayAccountDetails(){
    return "Account Number: " + accountNumber + "\n"
        + "Account Holder Name: " + accountHolderName + "\n"
        + "Balance: " + balance + "\n"
        + "Phone Number: " + phoneNumber;
}

public String updateContactDetails(String email, String
                                   phoneNumber){
    this.email = email;
    this.phoneNumber = phoneNumber
    return "Contact details updated successfully";
  }
}

Public class UserInterface {
    Account[] account = new Account[100];
    int count = 0
    Scanner scanner = new Scanner(System.in);

public string createAccount(){
    System.out.print("Enter account holder Name: ");
    String name = scanner.nextLine();
    System.out.print("Enter initial deposit amount: ");
    double amount;
    try {
        amount = double.parseDouble(scanner.nextLine());
    }catch(Exception e){
        amount = 0.0;
    }
```

```
System.out.print("Enter email address: ");
String email = scanner.nextLine();
System.out.print("Enter phone number: ");
String phone = scanner.nextLine();
int accountNumber = 1001 + count;
accounts[count] = new Account(accountNumber, name, amount, email,
                              phone);
count++;
return "Account created successfully with Account Number: " + accountNumber;
}

public String performDeposit() {
    System.out.print("Enter account number: ");
    int accNo;
    try {
        accNo = Integer.parseInt(scanner.nextLine());
    } catch (Exception e) {
        return "Invalid account number";
    }
    System.out.print("Enter amount to deposit: ");
    double amount;
    try {
        amount = Double.parseDouble(scanner.nextLine());
    } catch (Exception e) {
        return "Invalid amount";
    }
    for (int i = 0; i < count; i++) {
        if (accounts[i].accountNumber == accNo) {
            return accounts[i].deposit(amount);
        }
    }
}
```

```
        return "Account not found";
    }
    public String performWithdrawal(){
        System.out.print("Enter account number: ");
        int accNo;
        try {
            accNo = Integer.parseInt(scanner.nextLine());
        } catch(Exception e){
            return "Invalid account number";
        }
        System.out.print("Enter amount to withdraw: ");
        double amount;
        try {
            amount = Double.parseDouble(scanner.nextLine());
        } catch(Exception e){
            return "Invalid amount";
        }
        for(int i=0; i<count; i++){
            if(accounts[i].accountNumber == accNo){
                return accounts[i].withdraw(amount);
            }
        }
        return "Account not found";
    }
    public String showAccountDetails(){
        System.out.print("Enter account number: ");
        int accNo;
        try {
            accNo = Integer.parseInt(scanner.nextLine());
        } catch(Exception e){
            return "Invalid account number";
        }
```

```
for (int i=0; i<count; i++) {
    if (accountNumber == accNo) {
        System.out.print("Enter new email address: ");
        String email = scanner.nextLine();
        System.out.print("Enter new phone number: ");
        String phone = scanner.nextLine();
        return accounts[i].updateContactDetails(email, phone);
    }
}
return "Account not found";
}

public int MainMenu(){
    while (true) {
        System.out.println("\nWelcome to Vidyut Bank - KR
                            Mangalam University Branch");
        System.out.println("1. Create a new Account");
        System.out.println("2. Deposit money");
        System.out.println("3. Withdraw money");
        System.out.println("4. View Account Details");
        System.out.println("5. Update contact details");
        System.out.println("6. Exit");
        System.out.println("Enter your choice: ");
        int choice;
        try {
            choice = Integer.parseInt(scanner.nextLine());
        } catch (Exception e) {
            System.out.print("Invalid choice");
            continue;
        }
```

```
        if (choice == 1) System.out.println(CreateAccount());
        else if (choice == 2) System.out.println(PerformDeposit());
        else if (choice == 3) System.out.println(PerformWithdrawal());
        else if (choice == 4) System.out.println(showAccountDetails());
        else if (choice == 5) System.out.println(updateContact());
        else if (choice == 6) {
            System.out.println("Thank you")
            return 0;
        } else System.out.println("Invalid choice");
    }
}

// running the program
public static void main (String[] args){
    UserInterface ui = new UserInterface();
    ui.mainMenu();
  }
}
```