```
import java.util.Scanner;

Class Account {

    private int accountNumber;
    private String accountHolderName;
    private double balance;
    private String email;
    private String phoneNumber;

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

    Public Void deposit (double amount) {
      if (amount > 0) {
         balance += amount;
         System.out.println ("Total amount of rupees " + amount + " your amount has been deposited
                                                    successfully! New balance: " + balance);
      } else {
         System.out.println ("Invalid amount. Deposit failed.");
      }
    }

    Public Void withdraw (double amount) {
      if (amount > 0 && amount <= balance) {
         balance -= amount;
         System.out.println ("Amount withdrawn successfully! New Balance: " + balance);
      } else {
         System.out.println ("Invalid amount or Insufficient balance.");
      }
    }

    public Void displayAccountDetails () {
        System.out.println ("Account Number: " + accountNumber);
        System.out.println ("Account Holder: " + accountHolderName);
        System.out.println ("Balance: " + balance);
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        System.out.println("Email: " + email);
        System.out.println("Phone Number: " + phoneNumber);
    }

    public int getAccountNumber() {
        return accountNumber;
    }

    public void updateContactDetails(String email, String phoneNumber) {
        this.email = email;
        this.phoneNumber = phoneNumber;
        System.out.println("Contact details updated successfully!");
    }
}

public class Main {
    private Account[] accounts;
    private int accountCount;
    private Scanner sc;

    public Main(int size) {
        accounts = new Account[size];
        accountCount = 0;
        sc = new Scanner(System.in);
    }

    public void createAccount() {
        System.out.print("Enter Account holder name: ");
        String name = sc.nextLine();

        System.out.print("Enter initial deposit amount: ");
        double amount = sc.nextDouble();
        sc.nextLine();

        System.out.print("Enter an email address: ");
        String email = sc.nextLine();

        System.out.print("Enter phone Number: ");
        String phone = sc.nextLine();

        int accountNumber = 1001 + accountCount;
        accounts[accountCount] = new Account(accountNumber, name, amount, email, phone);
        accountCount++;
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        System.out.println("Account Created Successfully with Account Number: " + accountNumber);
    }

    public void performDeposit(){
        System.out.print("Enter account number: ");
        int accNo = sc.nextInt();
        System.out.print("Enter amount to deposit : ");
        double amount = sc.nextDouble();
        sc.nextLine();

        Account acc = findAccount(accNo);
        if (acc != null){
            acc.deposit(amount);
        }else{
            System.out.println("Account not found");
        }
    }

    public void performWithdrawal(){
        System.out.println("Enter account Number: ");
        int accNo = sc.nextInt();
        sc.nextLine();

    Account acc = findAccount(accNo);
    if (acc != null){
        System.out.print("Enter amount to withdraw: ");
        double amount = sc.nextDouble();
        sc.nextLine();
        acc.withdraw(amount);
    }else{
        System.out.println("Account not found!");
    }
}

public void showAccountDetails(){
    System.out.println("Enter Account number: ");
    int accNo = sc.nextInt();
    sc.nextLine();
```

```
    Account acc = findAccount(accNo);
    if (acc != null){
        acc.displayAccountDetails();
    }else{
        System.out.println("Account not found!");
    }
}

public void updateContact(){
    System.out.print("Enter Account Number: ");
    int accNo = sc.nextInt();
    sc.nextLine();

    Account acc = findAccount(accNo);
    if (acc != null){
        System.out.print("Enter new Email: ");
        String email = sc.nextLine();

        System.out.print("Enter new phone number: ");
        String phone = sc.nextLine();

        acc.updateContactDetails(email, phone);
    }else{
        System.out.println("Account not found!");
    }
}

private Account findAccount(int accNo){
    for(int i=0; i<accountCount; i++){
        if(accounts[i].getAccountNumber() == accNo){
            return accounts[i];
        }
    }
    return null;
}

public void mainMenu(){
    int choice;
    do{
```

```
        System.out.println("\n Welcome to the Banking Application!");
        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:");
        choice = sc.nextInt();
        sc.nextLine();

        switch (choice){
            case 1: CreateAccount(); break;
            case 2: performDeposit(); break;
            case 3: performWithdrawal(); break;
            case 4: ShowAccountDetails(); break;
            case 5: updateContact(); break;
            case 6: System.out.println("Thankyou for using the Banking Application"); break;
            default: System.out.println("Invalid choice. Try again.");
        }
    } while (choice != 6);
}

public static void main(String[] args){
    Main ui = new Main(100);
    ui.mainMenu();
}
}
```