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import java.util.Scanner;

class Account {
    private long accNumber;
    private String accHolderName ;
    private double balance;
    private String email;
    private String phoneNumber;

    public Account(long accNumber, String accHolderName, double balance, String
email, String phoneNumber) {
        this.accNumber = accNumber;
        this.accHolderName = accHolderName;
        this.balance = balance;
        this.email = email;
        this.phoneNumber = phoneNumber;
    }

    public long getAccNumber() {
        return accNumber;
    }

    public void deposit(double amount){
        if(amount > 0){
            balance += amount;
            System.out.println("Amount deposited successfully.");
        }else {
            System.out.println("Enter a valid amount.");
        }
    }

    public void withdraw(double amount){
        if(amount <= balance){
            balance -= amount;
            System.out.println("Withdrawal successful.");
        }else {
            System.out.println("Insufficient balance.");
        }
    }

    public void displayDetails(){
        System.out.println("------ Account Details ------");
        System.out.println("Account Number: "+accNumber);
        System.out.println("Account Holder Name: "+accHolderName);
        System.out.println("Balance: "+balance);
        System.out.println("Email: "+email);
        System.out.println("Phone Number: "+phoneNumber);
    }

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

public class UserInterface {

    private Account[] accounts;
    private int accCount;
    private Scanner input;
    private long nextAccNumber;

    public UserInterface(int size) {
        accounts = new Account[size];
        accCount = 0;
        input = new Scanner(System.in);
        nextAccNumber = 1001;
    }

    public void createAccount() {
        if (accCount >= accounts.length) {
            System.out.println("Account limit reached. Cannot create more
accounts.");
            return;
        }

        System.out.print("Enter Account Holder Name: ");
        String name = input.nextLine();

        System.out.print("Enter Initial Deposit Amount: ");
        double initialDeposit = input.nextDouble();
        input.nextLine();

        System.out.print("Enter Email: ");
        String email = input.nextLine();

        System.out.print("Enter Phone Number: ");
        String phoneNumber = input.nextLine();

        Account newAccount = new Account(nextAccNumber, name, initialDeposit, email,
phoneNumber);
        accounts[accCount] = newAccount;
        accCount++;
        System.out.println("Account created successfully. Your Account Number is: "
+ nextAccNumber);
        nextAccNumber++;
    }

    private Account findAccount(long accNumber) {
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    for (int i = 0; i < accCount; i++) {
        if (accounts[i] != null && accounts[i].getAccNumber() == accNumber) {
            return accounts[i];
        }
    }
    return null;
}

public void deposit() {
    System.out.print("Enter Account Number: ");
    long accNumber = input.nextLong();
    input.nextLine();

    Account account = findAccount(accNumber);
    if (account != null) {
        System.out.print("Enter Amount to Deposit: ");
        double amount = input.nextDouble();
        input.nextLine();
        account.deposit(amount);
    } else {
        System.out.println("Account not found.");
    }
}

public void performWithdrawal() {
    System.out.print("Enter account number: ");
    long accNo = input.nextLong();
    System.out.print("Enter amount to withdraw: ");
    double amount = input.nextDouble();
    input.nextLine();

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

// Show account details
public void showAccountDetails() {
    System.out.print("Enter account number: ");
    long accNo = input.nextLong();
    input.nextLine();

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

// Update contact details
public void updateContact() {
    System.out.print("Enter account number: ");
    long accNo = input.nextLong();
    input.nextLine();

    Account account = findAccount(accNo);
    if (account != null) {
        System.out.print("Enter new email: ");
        String email = input.nextLine();
        System.out.print("Enter new phone number: ");
        String phone = input.nextLine();
        account.updateContactDetails(email, phone);
    } else {
        System.out.println("Account not found!");
    }
}


public void mainMenu() {
    int choice;
    do {
        System.out.println("\nWelcome 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.print("Enter your choice: ");
        choice = input.nextInt();
        input.nextLine();

        switch (choice) {
            case 1:
                createAccount();
                break;
            case 2:
                deposit();
                break;
            case 3:
                performWithdrawal();
                break;
            case 4:
                showAccountDetails();
                break;
            case 5:
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                    updateContact();
                    break;
                case 6:
                    System.out.println("Thank you for using the Banking
Application!");
                    break;
                default:
                    System.out.println("Invalid choice. Please try again.");
            }
        } while (choice != 6);
    }


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