```java
import java.util.Scanner;

class Account {
    private String custName;
    private String accNo;
    private double balance;

    public Account(String custName, String accNo, double balance) {
        this.custName = custName;
        this.accNo = accNo;
        this.balance = balance;
    }

    public double getBalance() {
        return this.balance;
    }

    public void deposit(double amount) {
        if (amount > 0) {
            this.balance += amount;
            System.out.println("The current balance is " + this.balance);
        } else {
            System.out.println("Amount should not be negative");
        }
    }

    public void withdraw(double amount) {
        if (amount > 0 && (balance - amount) >= 0) {
            this.balance -= amount;
            System.out.println("Withdraw successful. Current balance: " + this.balance);
        } else {
            System.out.println("Withdraw is not possible");
        }
    }
}

class SavingsAccount {
    private double interestRate;
```

```
    private double interestRate;
    private Account account;

    public SavingsAccount(String custName, String accNo, double balance, double interestRate) {
        this.interestRate = interestRate;
        this.account = new Account(custName, accNo, balance);
    }

    public void addInterest() {
        double interest = account.getBalance() * this.interestRate;
        account.deposit(interest);
    }

    public Account getAccount() {
        return account;
    }
}

class CurrentAccount {
    private double minBalance;
    private Account account;

    public CurrentAccount(String custName, String accNo, double balance, double minBalance) {
        this.minBalance = minBalance;
        this.account = new Account(custName, accNo, balance);
    }

    public void withdraw(double amt) {
        if (amt > 0 && (account.getBalance() - amt) >= minBalance) {
            account.withdraw(amt);
        } else {
            System.out.println("Withdraw is not possible");
        }
    }

    public Account getAccount() {
        return account;
    }
}
```

```
public class Bank {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the name:");
        String name = sc.nextLine();
        System.out.println("Enter the account number:");
        String accnt = sc.nextLine();

        while (true) {
            System.out.println("Enter your choice:");
            System.out.println("1. Savings Account");
            System.out.println("2. Current Account");
            System.out.println("3. Exit");
            int choice = sc.nextInt();

            switch (choice) {
                case 1:
                    System.out.println("Enter initial balance:");
                    double savingsBalance = sc.nextDouble();
                    System.out.println("Enter the interest rate:");
                    double interestRate = sc.nextDouble();
                    SavingsAccount savingsAccount = new SavingsAccount(name, accnt, savingsBalance, interestRate);
                    savingsAccount.addInterest();
                    break;

                case 2:
                    System.out.println("Enter initial balance:");
                    double currentBalance = sc.nextDouble();
                    System.out.println("Enter minimum balance:");
                    double minBalance = sc.nextDouble();
                    CurrentAccount currentAccount = new CurrentAccount(name, accnt, currentBalance, minBalance);

                    System.out.println("entr the amount to be withdraw");
                    double q = sc.nextInt();
                    currentAccount.withdraw(q);
                    System.out.println("Account created. Current balance: " + currentAccount.getAccount().getBalance());
                    break;

                case 3:
```

```
            System.out.println("1. Savings Account");
            System.out.println("2. Current Account");
            System.out.println("3. Exit");
            int choice = sc.nextInt();

            switch (choice) {
                case 1:
                    System.out.println("Enter initial balance:");
                    double savingsBalance = sc.nextDouble();
                    System.out.println("Enter the interest rate:");
                    double interestRate = sc.nextDouble();
                    SavingsAccount savingsAccount = new SavingsAccount(name, accnt, savingsBalance, interestRate);
                    savingsAccount.addInterest();
                    break;

                case 2:
                    System.out.println("Enter initial balance:");
                    double currentBalance = sc.nextDouble();
                    System.out.println("Enter minimum balance:");
                    double minBalance = sc.nextDouble();
                    CurrentAccount currentAccount = new CurrentAccount(name, accnt, currentBalance, minBalance);

                    System.out.println("entr the amount to be withdraw");
                    double q = sc.nextInt();
                    currentAccount.withdraw(q);
                    System.out.println("Account created. Current balance: " + currentAccount.getAccount().getBalance());
                    break;

                case 3:
                    System.out.println("Exiting...");
                    sc.close();
                    return;

                default:
                    System.out.println("Invalid choice. Please try again.");
            }
        }
    }
}
```

```
C:\Users\Admin\Desktop>javac Bank.java

C:\Users\Admin\Desktop>java Bank
Enter the name:
annas
Enter the account number:
12345
Enter your choice:
1. Savings Account
2. Current Account
3. Exit
1
Enter initial balance:
54321
Enter the interest rate:
7
The current balance is 434568.0
Enter your choice:
1. Savings Account
2. Current Account
3. Exit
annas sharieff 1bm23cs041
```