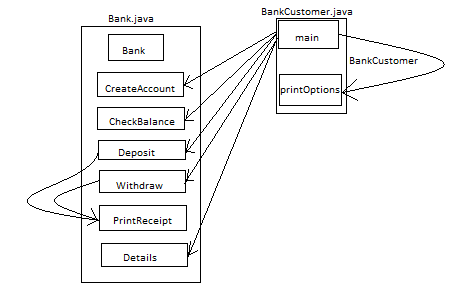
**Simple Banking System**

1. Diagram



1. Code

BankCustomer.java

**import** java.util.Scanner;

**public** **class** BankCustomer {

**public** **static** **int** printOptions(){

System.***out***.println("\*\*\*WELCOME TO SBI BANK SERVICES\*\*\*");

System.***out***.println("Select the services from below options!!");

System.***out***.println("\t1 - Create New Account");

System.***out***.println("\t2 - Delete Current Account");

System.***out***.println("\t3 - Check balance");

System.***out***.println("\t4 - Withdraw");

System.***out***.println("\t5 - Deposit");

System.***out***.println("\t6 - Display Details");

System.***out***.println("\t7 - Quit");

Scanner sc=**new** Scanner(System.***in***);

**int** i=sc.nextInt();

**return** i;

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** choice;

Bank holder1=**new** Bank(0,"SBI");

**while**(**true**) {

choice=*printOptions*();

**if**(choice==1) {

holder1.CreateAccount();

}

**else** **if**(choice==2) {

System.***out***.println("Are you sure that you want to delete this account\n1.yes\nNo");

Scanner sr=**new** Scanner(System.***in***);

**int** b=sr.nextInt();

**if**(b==1) {

holder1=**null**;

System.***out***.println("Deleted the Account");

}

}

**else** **if**(choice==3) {

**if**(holder1==**null**) {

System.***out***.println("\*\*\*This account not exist\*\*\*");

**break**;

}

**else** {

holder1.CheckBalance();

}

}

**else** **if**(choice==4) {

**if**(holder1==**null**) {System.***out***.println("\*\*\*This account not exist\*\*\*");

**break**;

}

**else** {

holder1.Withdraw();

}

}

**else** **if**(choice==5) {

**if**(holder1==**null**) {System.***out***.println("\*\*\*This account not exist\*\*\*");

**break**;

}

**else** {

holder1.Deposit();

}

}

**else** **if**(choice==6) {

**if**(holder1==**null**) {System.***out***.println("\*\*\*This account not exist\*\*\*");

**break**;

}

**else** {

holder1.Details();

}

}

**else** {

System.***out***.println("Thank You For Using our Service.....");

**break**;

}

}

}

}

Bank.java

import java.text.SimpleDateFormat;

import java.util.Date;

import java.util.Scanner;

import java.util.concurrent.TimeUnit;

public class Bank {

int acc\_no;

String name;

float amount;

int age;

String num;

String branch;

static String bank;

public Bank(float f, String ba) {

amount=f;

bank=ba;

}

void CreateAccount(){

Scanner ss=new Scanner(System.in);

System.out.println("Enter Account Holder Name: ");

name=ss.next();

System.out.println("Enter Account Holder Age: ");

age=ss.nextInt();

while(age<18) {

System.out.println("Age can not be less than 18!!...Please refill the details");

System.out.println("Enter Account Holder Name: ");

name=ss.next();

System.out.println("Enter Account Holder Age: ");

age=ss.nextInt();

}

System.out.println("Enter Account Holder's Contact Number to link with account: ");

num=ss.next();

while(num.length()!=10) {

System.out.println("Please enter a valid contact number");

System.out.println("Enter Account Holder Contact Number to link with account: ");

num=ss.next();

}

System.out.println("Enter Branch where you want to begin your account: ");

branch=ss.next();

long min=11234534;

long max=456764337;

acc\_no=(int) (Math.random()\*(max-min+1)+min);

System.out.println("Created Your New Account....\nPlease note your Account Number: " + acc\_no);

System.out.println("\nMinimum balance required is 1000....Please Deposite the Amount...");

Deposit();

}

void CheckBalance() {

System.out.println("Balance Amount : " + amount);

try {

TimeUnit.SECONDS.sleep(3);

} catch (InterruptedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

void Deposit() {

Scanner ss=new Scanner(System.in);

System.out.println("Enter Amount to Deposit: ");

int da=ss.nextInt();

amount=amount+da;

System.out.println("Deposited " + da + " into account number "+ acc\_no);

System.out.println("Do you want to see the details??\n1.Yes\n2.No");

int m=ss.nextInt();

if(m==1) {

PrintReceipt();

}

try {

TimeUnit.SECONDS.sleep(3);

} catch (InterruptedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

void Withdraw() {

Scanner ss=new Scanner(System.in);

System.out.println("Enter Amount to withdraw: ");

float wd=ss.nextFloat();

if((amount - wd) >= 1000) {

System.out.println("Withdrawn " + wd + " amount from account number "+ acc\_no);

amount=amount-wd;

System.out.println("Do you want to see the details??\n1.Yes\n2.No");

int m=ss.nextInt();

if(m==1) {

PrintReceipt();

}

}

else {

System.out.println("Not enough balance to withdraw " + wd + " from your account");

System.out.println("Do you want to see the details??\n1.Yes\n2.No");

int m=ss.nextInt();

if(m==1) {

PrintReceipt();

}

}

try {

TimeUnit.SECONDS.sleep(3);

} catch (InterruptedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

void PrintReceipt() {

System.out.println("\*\*\*RECEIPT\*\*\*");

Date date=new Date();

SimpleDateFormat formatter=new SimpleDateFormat("dd/MM/yy");

String str=formatter.format(date);

System.out.println("Date : " + str);

System.out.println("Branch : " + branch);

System.out.println("Account No: " + acc\_no);

System.out.println("Balance : " + amount);

try {

TimeUnit.SECONDS.sleep(3);

} catch (InterruptedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

void Details() {

System.out.println("Bank Name : " + bank);

System.out.println("Account Holder name : " + name);

System.out.println("Account No: " + acc\_no);

System.out.println("Branch : " + branch);

System.out.println("Linked phone number : " + num);

System.out.println("Balance Amount : " + amount);

try {

TimeUnit.SECONDS.sleep(3);

} catch (InterruptedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}