public class InstrumentToRent extends Instrument {

private int chargePerDay;

private String dateOfRent;

private int noOfDays;

private boolean isRented;

private String dateOfReturn;

public InstrumentToRent(String InstrumentName, int chargePerDay, String dateOfRent, int noOfDays, boolean isRented, String dateOfReturn){

super(InstrumentName);

this.chargePerDay = chargePerDay;

this.dateOfRent="";

this.dateOfReturn = "";

this.noOfDays = 0;

this.isRented = false;

}

//getter and setter

public void setChargePerDay(int chargePerDay){

this.chargePerDay= chargePerDay;

}

public int getChargePerDay(){

return this.chargePerDay;

}

public void setdateOfRent(String dateOfRent){

this.dateOfRent= dateOfRent;

}

public String getdateOfRent(){

return this.dateOfRent;

}

public void setdateOfReturn(String dateOfReturn){

this.dateOfReturn= dateOfReturn;

}

public String getdateOfReturn(){

return this.dateOfReturn;

}

public void setNoOfDays(int noOfDays){

this.noOfDays = noOfDays;

}

public int noOfDays(){

return this.noOfDays;

}

public void setIsRented(boolean IsRented){

this.isRented= IsRented;

}

public boolean getIsRented(){

return this.isRented;

}

//For checking whether the instrument is rented or not

public void InstrumentToRent(String CustomerName, String phone, int PANNo, String dateOfRent, String dateOfReturn, int noOfDays){

if (isRented == true){

System.out.println("Sorry, the instrument that you want is rented. Please come next time");

System.out.println("The name of the customer is "+ CustomerName);

System.out.println("The customer mobile number is: "+ phone);

System.out.println("Customer will return it on "+ dateOfReturn);

}

else {

super.setCustomerName(CustomerName);

super.setCustomerMobileNo(phone);

super.setPANNo(PANNo);

this.dateOfRent = dateOfRent;

this.dateOfReturn = dateOfReturn;

this.noOfDays = noOfDays;

this.isRented = true;

System.out.println("Instrument is rented ");

System.out.println("The customer details are as follow: ");

System.out.println("The name of the is " + super.getCustomerName());

System.out.println("The customer contact number is " + super.getCustomerMobileNo());

System.out.println("The instrument was rented on " + this.dateOfRent);

System.out.println("The no of days to return is " + this.noOfDays);

System.out.println("The return date of instrument is " + this.dateOfReturn);

System.out.println("The total charge of customer is " + this.noOfDays \* this.chargePerDay);

}

}

public void returnInstrument(){

if(isRented==true){

super.setCustomerName("");

this.dateOfRent = "";

this.dateOfReturn = "";

this.noOfDays = 0;

this.isRented = false;

}else{

System.out.println("The instrument is not rented, from where you rent?, This is not our instruement!!");

}

}

public void display() {

super.display();

if (isRented == true) {

System.out.println("The renting date is " + super.getCustomerName());

System.out.println("The customer phone number is " + super.getCustomerMobileNo());

System.out.println("The date of rent is " + this.dateOfRent);

System.out.println("The number of days to return a instrument is " + this.noOfDays);

System.out.println("The return date of instrument is " + this.dateOfReturn);

}

}

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

// InstrumentToRent insR = new InstrumentToRent("piano", 20);

// insR.setChargePerDay(20);

// insR.setDateOfRent("2020-23-2");

// insR.setDateOfReturn("343-23-42");

// insR.setIsRented(false);

// insR.Display();

// insR.returnInstrument();

// insR.rent("Anil Bhandari" , "9898-802" , 131 , "2018-03-9" , "2018-03-25" , 16);

// }

}