Class 1

package com.CameraRentalApp;

import java.util.ArrayList;

public class CameraApp {

private int camID;

private String name;

private String model;

private double price;

private String status;

public int getCamID() {

return camID;

}

public void setCamID(int camID) {

this.camID = camID;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getModel() {

return model;

}

public void setModel(String model) {

this.model = model;

}

public double getPrice() {

return price;

}

public void setPrice(double price) {

this.price = price;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public CameraApp( int camID, String name, String model, double price, String status) {

super();

this.camID = camID;

this.name = name;

this.model = model;

this.price = price;

this.status = status;

}

public CameraApp() {

super();

}

}

Class 2

package com.CameraRentalApp;

import java.util.\*;

public class CamRentMain {

private static List<CameraApp> camlist = new ArrayList<CameraApp>();

private static double UserMoney=12000.00;

private static Scanner sc = new Scanner(System.in);

private static int IncID=16;

private static void UserWallet() {

System.out.println(UserMoney);

System.out.println("Do You Want to add Money to your Wallet :\n Enter Your option : \n1. Yes\n2. No");

int A=sc.nextInt();

switch(A){

case 1:

System.out.println("Enter money you want to add");

double addmoney=sc.nextDouble();

UserMoney=UserMoney+addmoney;

System.out.println("Total money In your Wallet is "+UserMoney);

SelectOptions();

case 2 :

System.err.println("Try Again");

SelectOptions();

}

}

private static void camlisting() {

CameraApp camDe=new CameraApp(1, "Canon","EOS 5D MARK",5000.9,"Available");

camlist.add(camDe);

camDe=new CameraApp(2,"Sony", "7D CAM LENS", 2900.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(3,"Samsung", "ONECAUST Mark", 4000.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(4,"Mi", "SONY 7D LENS", 6700.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(5,"DSLR", "7D LENS Mixwl", 1900.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(6,"Apple", "EOS 5D Mark", 2100.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(7,"TATA", "6D LENS IV", 5500.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(8,"HYUNDA", "Mark 72D", 6500.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(9,"MI", "LOOTED 7D", 1545.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(10,"CLASSIC", "800D LENS", 6500.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(11,"CLISOX", "VR PIXE 8D", 1505.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(12,"DSLR", "800MG IV", 6175.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(13,"DCMO", "7K LENS IV", 2500.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(14,"SONY", "800MG IV", 3500.0, "Available");

camlist.add(camDe);

camDe=new CameraApp(15,"CISCO", "7K LENS IV", 2575.0, "Available");

camlist.add(camDe);

}

private static void RentingCam() {

System.out.println("Below Are The List of Available Camera's for Rent ");

System.out.println("----------------------------------------------------------------------");

System.out.println("CamID"+"\t"+" Camera Name"+"\t"+"\t"+"Model"+"\t"+"\t"+"Price Per Day"+"\t"+"\t"+"Status");

System.out.println("----------------------------------------------------------------------");

int ks =0;

for (CameraApp k : camlist) {

if (k.getStatus()=="Available") {

System.out.println(k.getCamID()+"\t"+"\t"+k.getName()+"\t"+"\t"+k.getModel()+"\t"+"\t"+k.getPrice()+"\t"+"\t"+k.getStatus());

++ks;

}

}

if (ks==0) {

System.err.println("Uff..! You're Late, All Got Rented");

}

System.out.println("----------------------------------------------------------------------\n");

System.out.println("Select CamId of Camera From the Above List For Rent : ");

Scanner sc = new Scanner(System.in);

int rentID = sc.nextInt();

boolean b= false;

for(CameraApp k : camlist) {

if(k.getCamID()==rentID && k.getStatus()=="Available") {

if (k.getPrice()<=UserMoney) {

k.setStatus("Rented");

UserMoney = UserMoney-k.getPrice();

System.out.println("Rented Cam Successfully");

System.out.println("Remaining Amount In Wallet "+UserMoney);

b= true;

break;

}

else {

System.err.println("Error....Insuffient Funds In Your Wallet. Please Deposit The Money..!");

break;

}

}

}

if (b==false) {

System.err.println("Enter Correct Input ..!");

}

SelectOptions();

}

private static void CameraLi() {

for (CameraApp k : camlist) {

System.out.println(k.getCamID()+"\t"+"\t"+k.getName()+"\t"+"\t"+k.getModel()+"\t"+"\t"+k.getPrice()+"\t"+"\t"+k.getStatus());

}

}

private static void AddingCam() {

CameraApp cam = new CameraApp();

Scanner sc = new Scanner(System.in);

System.out.print("Enter Camera Name :- ");

cam.setName(sc.nextLine());

System.out.println("Enter Camera Model :- ");

cam.setModel(sc.nextLine());

System.out.println("Enter Price Per Day :- ");

cam.setPrice(sc.nextDouble());

String status="Avaliable";

cam.setStatus(status);

cam.setCamID(IncID);

System.out.println("Camera Added Successfully To The List ");

camlist.add(cam);

++IncID;

InterOptions();

}

private static void RemovingCam() {

System.out.println("Select CamID From the Above List : ");

Scanner sc = new Scanner(System.in);

int rem = sc.nextInt();

boolean b= false;

for(CameraApp k : camlist) {

if(k.getCamID()==rem) {

camlist.remove(k);

b= true;

System.out.println("Deleted SuccessFully From The List :");

break;

}

}

if (b==false) {

System.out.println("Not Found..Enter Correct Input ");

}

SelectOptions();

}

private static void InterOptions() {

Scanner sc = new Scanner(System.in);

System.out.println("1.Add\n2.Remove\n3.View All Camera's\n4.GoTo Previous Menu");

int opt=sc.nextInt();

for (int i=1; i<5;i++) {

if (i==opt) {

switch(opt) {

case 1:

AddingCam();

case 2:

System.out.println("---------------------------------------------------------------------------------------------");

System.out.println("CamID"+"\t"+" Camera Name"+"\t"+"\t"+"Model"+"\t"+"\t"+"Price Per Day"+"\t"+"\t"+"Status");

System.out.println("---------------------------------------------------------------------------------------------");

CameraLi();

System.out.println("---------------------------------------------------------------------------------------------\n\n");

RemovingCam();

case 3:

System.out.println("---------------------------------------------------------------------------------------------");

System.out.println("CamID"+"\t"+" Camera Name"+"\t"+"\t"+"Model"+"\t"+"\t"+"Price Per Day"+"\t"+"\t"+"Status");

System.out.println("---------------------------------------------------------------------------------------------");

CameraLi();

System.out.println("---------------------------------------------------------------------------------------------");

InterOptions();

case 4:

SelectOptions();

}

}

}

}

private static void LoginForm() {

Scanner sc = new Scanner(System.in);

String UserName = "admin";

String Password = "admin123";

boolean Login= true;

while (Login == true) {

System.out.print("Enter Username :- ");

String UserName1= sc.nextLine();

System.out.print("Enter Password :- ");

String Password1= sc.nextLine();

if(UserName.equals(UserName1) && Password.equals(Password1)) {

System.out.println("Login Successful !! \n");

Login = false;

}

else

System.out.println("Error.. ! Try Again...!"); } }

private static void SelectOptions() {

System.out.println("Select Any One of the Options : \n");

System.out.println("1.My Camera\n2.Rent A Camera\n3.View All Camera's\n4.My Wallet\n5.Exit");

int opt=sc.nextInt();

for (int i=1; i<6;i++) {

if (i==opt) {

switch(opt) {

case 1 :

InterOptions();

case 2:

RentingCam();

case 3:

System.out.println("---------------------------------------------------------------------------------------------");

System.out.println("CamID"+"\t"+" Camera Name"+"\t"+"\t"+"Model"+"\t"+"\t"+"Price Per Day"+"\t"+"\t"+"Status");

System.out.println("---------------------------------------------------------------------------------------------");

CameraLi();

System.out.println("---------------------------------------------------------------------------------------------");

SelectOptions();

case 4:

UserWallet();

case 5:

System.exit(0);

}

}

}

}

public static void main(String[] args) {

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

System.err.println(" Welcome to Camera Rental App. ");

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

System.out.println(" Enter UserName And Password To Continue To application : \n");

LoginForm();

camlisting();

SelectOptions();

}

}