**Source Code For Camera Rental Application**

import java.util.\*;  
public class Main {  
 public static void main(String args[])  
 { System.out.println("+------------------------------+");  
 System.out.println("| WELCOME TO CAMERA RENTAL APP |");  
 System.out.println("+------------------------------+");  
 System.out.println("PLEASE LOGIN TO CONTINUE -");  
 System.out.print("USERNAME - ");  
 Scanner s=new Scanner(System.in);  
 String username=s.next();  
 System.out.print("PASSWORD - ");  
 String password=s.next();  
 if(username.equals("admin") && password.equals("admin123"))  
 { int option;  
 int oneoption;  
 ArrayList<Integer> id= new ArrayList<Integer>();  
 ArrayList<String> brand= new ArrayList<String>();  
 ArrayList<String> model= new ArrayList<String>();  
 ArrayList<String> price= new ArrayList<String>();  
 ArrayList<String> status= new ArrayList<String>();  
 int wallet=10000;  
 do{  
 System.out.println("");  
 System.out.println("1. MY CAMERA");  
 System.out.println("2. RENT A CAMERA");  
 System.out.println("3. VIEW ALL CAMERAS");  
 System.out.println("4. MY WALLET");  
 System.out.println("5. EXIT");  
 System.out.print("Choose the Option : ");  
 s.nextLine();  
 option=s.nextInt();  
 if(option==1)  
 {  
 do  
 { System.out.println(" ");  
 System.out.println("1. ADD");  
 System.out.println("2. REMOVE");  
 System.out.println("3. VIEW ALL CAMERAS");  
 System.out.println("4. GO TO PREVIOUS MENU");  
 System.out.print("Choose the Option : ");  
 s.nextLine();  
 oneoption=s.nextInt();  
 if(oneoption==1)//ADD  
 {  
 System.out.println(" ");  
 System.out.print("ENTER THE CAMERA BRAND : ");  
 String brand1 =s.next();  
 System.out.print("ENTER THE MODEL : ");  
 String model1 =s.next();  
 System.out.print("ENTER THE PER DAY PRICE (INR) : ");  
 String price1 =s.next();  
 id.add(id.size()+1);  
 brand.add(brand1);  
 model.add(model1);  
 price.add(price1);  
 status.add("Available");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.println("YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 }  
 else if(oneoption==2)//REMOVE  
 {  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.printf("| %-2s | %-10s | %-10s | %-6s | %-7s |\n", "ID", "Name", "Model", "Rent", "Status");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 for (int i = 0; i < id.size(); i++) {  
 System.out.printf("| %-2d | %-10s | %-10s | %-6s | %-7s |\n", id.get(i), brand.get(i), model.get(i), price.get(i), status.get(i));  
 }  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.out.println("");  
 System.out.print("ENTER THE CAMERA ID to REMOVE : ");  
 s.nextLine();  
 int removeid=s.nextInt();  
 removeid--;  
 id.remove(removeid);  
 brand.remove(removeid);  
 model.remove(removeid);  
 price.remove(removeid);  
 status.remove(removeid);  
 for (int i = 0; i < id.size(); i++) {  
 id.set(i, i + 1);  
 }  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.println("CAMERA SUCCESSFULLY REMOVED FROM THE LIST");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 }  
 else if(oneoption==3)//VIEW ALL CAMERAS  
 {  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.printf("| %-2s | %-10s | %-10s | %-6s | %-10s |\n", "ID", "Name", "Model", "Rent", "Status");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 for (int i = 0; i < id.size(); i++) {  
 System.out.printf("| %-2d | %-10s | %-10s | %-6s | %-10s |\n", id.get(i), brand.get(i), model.get(i), price.get(i), status.get(i));  
 }  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 }  
 }  
 while(oneoption!=4);  
 }  
 if(option==2)//RENT a CAMERAS  
 {  
 if (wallet < 8000) {  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.println("Insufficient Balance to Rent a Camera (MIN-8000)");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 }  
 else  
 {  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.printf("| %-2s | %-10s | %-10s | %-6s | %-7s |\n", "ID", "Name", "Model", "Rent", "Status");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 for (int i = 0; i < id.size(); i++) {  
 System.out.printf("| %-2d | %-10s | %-10s | %-6s | %-7s |\n", id.get(i), brand.get(i), model.get(i), price.get(i), status.get(i));  
 }  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.out.print("");  
 System.out.print("ENTER THE CAMERA ID YOU WANT TO RENT : ");  
 s.nextLine();  
 int rentid=s.nextInt();  
 rentid--;  
 status.set(rentid,"Rented");  
 System.out.println("YOUR TRANSACTION FOR CAMERA : "+brand.get(rentid)+" with rent INR "+  
 price.get(rentid)+" HAS SUCCESSFULLY COMPLETED");  
 int rentAmount = Integer.parseInt(price.get(rentid));  
 wallet -= rentAmount;  
 }  
  
  
 }  
 if(option==3)//VIEW ALL CAMERAS  
 { System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.out.printf("| %-2s | %-10s | %-10s | %-6s | %-7s |\n", "ID", "Name", "Model", "Rent", "Status");  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 for (int i = 0; i < id.size(); i++) {  
 System.out.printf("| %-2d | %-10s | %-10s | %-6s | %-7s |\n", id.get(i), brand.get(i), model.get(i), price.get(i), status.get(i));  
 }  
 System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 }  
 if(option==4)//MY WALLET  
 { System.out.println("YOUR CURRENT WALLET BALANCE IS -INR "+wallet);  
 System.out.print("DO YOU WANT TO DEPOSIT MORE TO YOU WALLET? (1.YES 2.NO) : ");  
 int walletoption=s.nextInt();  
 if(walletoption==1)  
 { System.out.print("ENTER THE AMOUNT (INR) : ");  
 int amoutt=s.nextInt();  
 wallet+=amoutt;  
 System.out.println("YOUR WALLET BALANCE UPDATED SUCCESSFULLY.");  
 System.out.println("CURRENT WALLET BALANCE -INR "+wallet);  
 }  
 }  
 }  
 while(option!=5);  
 }  
 else{  
 System.out.print("login details incorrect");  
 }  
 }  
}