**package** com;

**import** java.util.Scanner;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**public** **class** dcamera {

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

**int** id;

**float** bal=1723.5f;

**public** **static** ArrayList<ArrayList<String>> *cameraList* = **new** ArrayList<>(

Arrays.*asList*(

**new** ArrayList<>(Arrays.*asList*("1", "Samsung", "DS123", "500.0", "Rented")),

**new** ArrayList<>(Arrays.*asList*("2", "Sony", "HD214", "500.0", "Available")),

**new** ArrayList<>(Arrays.*asList*("3", "Panasonic", "XC", "700.0", "Rented")),

**new** ArrayList<>(Arrays.*asList*("4", "Canon", "XLR", "1000.0", "Available")),

**new** ArrayList<>(Arrays.*asList*("5", "Nikon", "2030", "500.0", "Available"))

));

**public** **static** **void** login() {

System.***out***.println("Enter your emailid ");

String emailid = *sc*.next();

System.***out***.println("Enter your password ");

String password = *sc*.next();

**if**(emailid.equals("keerthana@gmail.com") && password.equals("keerthana@123")) {

System.***out***.println("Successfully login");

*mainOption*();

}**else** {

System.***out***.println("Failure try once again");

}

}

**public** **static** **void** mainOption() {

**int** choice;

String con="";

**do** {

System.***out***.println("1: My Camera");

System.***out***.println("2: Rent Camera");

System.***out***.println("3: View All Camera");

System.***out***.println("4: My Wallet");

System.***out***.println("5: Exit");

System.***out***.println("Plz enter your choice");

choice = *sc*.nextInt();

**switch**(choice) {

**case** 1: *subMenuOption*();

**break**;

**case** 2: *rentcamera*();

**break**;

**case** 3: *ViewAllCamera*();

**break**;

**case** 4: *mywallet*();

**break**;

**case** 5:

**break**;

**default**:System.***out***.println("Wrong choice");

**break**;

}

System.***out***.println("Do you want to continue(y/n)");

con = *sc*.next();

}**while**(con.equalsIgnoreCase("y"));

}

**public** **static** **void** subMenuOption() {

**int** choice;

String con="";

**do** {

System.***out***.println("1: Add Camera");

System.***out***.println("2: Remove Camera");

System.***out***.println("3: View Camere details");

choice = *sc*.nextInt();

**switch**(choice) {

**case** 1: *addCamera*();

**break**;

**case** 2: *removeCamera*();

**break**;

**case** 3: *ViewAllCamera*();

**break**;

**case** 4:

**break**;

**default**:

System.***out***.println("Wrong choice");

**break**;

}

System.***out***.println("Do you want to continue(y/n)");

con = *sc*.next();

}**while**(con.equalsIgnoreCase("y"));

}

**public** **static** **void** addCamera() {

System.***out***.println("Enter the camera brand");

String brand = *sc*.next();

System.***out***.println("Enter the camera model");

String model = *sc*.next();

System.***out***.println("Enter the camera per day amount");

**float** amount = *sc*.nextFloat();

System.***out***.println("Camere details added successfully");

}

**public** **static** **void** removeCamera() {

System.***out***.println("enter the camera id to remove");

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

**if**(id==id)

{

System.***out***.println("camera successfully removed from list");

}

**else**

{

System.***out***.println("ERROR:transaction failed due to insufficient wallet balance,please deposit the amount to your wallet");

}

}

**public** **static** **void** ViewAllCamera() {

System.***out***.println("Following is the list of available cameras:");

System.***out***.printf("%-5s %-15s %-15s %-10s %-8s\n", "ID", "Brand", "Model", "Price", "Status");

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

**for** (ArrayList<String> camera : *cameraList*) {

String status = camera.get(4);

**if** ("Available".equals(status)) {

System.***out***.printf("%-5s %-15s %-15s %-10s %-8s\n",

camera.get(0), camera.get(1), camera.get(2), camera.get(3), camera.get(4));

}

}

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

}

**public** **static** **void** rentcamera() {

System.***out***.println("Enter the camera id you want to rent");

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

// Assuming cameraList is a class variable or defined globally

**if** (id >= 0 && id <= *cameraList*.size()) {

ArrayList<String> camera = *cameraList*.get(id - 1);

**if** (camera.get(4).equalsIgnoreCase("Available")) {

// Camera is available for rent

System.***out***.println("Your transaction for camera " + camera.get(1) + " " + camera.get(2) +

" with rent INR " + camera.get(3) + " has successfully completed");

// Update the camera status to "Rented"

camera.set(4, "Rented");

} **else** {

System.***out***.println("Camera is not available for rent");

}

} **else** {

System.***out***.println("Invalid camera id");

}

}

**public** **static** **void** mywallet() {

**int** choice;

String con="";

**float** bal=1723.5f;

//float f=bal+amount;

**do** {

System.***out***.println("your current wallet balance is -INR "+bal);

System.***out***.println("do you want to deposit more amount to your wallet?(y/n)");

con = *sc*.next();

}**while**(con.equalsIgnoreCase("y"));

System.***out***.println("enter the amount INR");

**float** amount =*sc*.nextFloat();

System.***out***.println(amount);

System.***out***.print("your wallet balance updated successfully,current wallet balance-INR"+(amount+bal));

//System.out.println(f);

}

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

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

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

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

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

*login*();

}

}