CAMERA RENTAL APPLICATION :

**package** camera;

**import** java.util.ArrayList; **import** java.util.Scanner; **class** Data {

**private int** camera\_id; **private** String brand; **private** String model; **private double** price; **private boolean** status;

Data(**int** camera\_id, String brand, String model, **double** price, **boolean**

Available) { **this**.camera\_id = camera\_id; **this**.brand = brand; **this**.model = model; **this**.price = price; **this**.status = Available;

}

**public int** getId() {

**return** camera\_id;

}

**public** String getBrand() {

**return** brand;

}

**public** String getModel() {

**return** model;

}

**public double** getPrice() {

**return** price;

}

**public boolean** isAvailable() {

**return** status;

}

**public void** setAvailable(**boolean** Available) {

**this**.status = Available;

}

}

**public class** CameraRental {

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

**double** INR = 10000;

String username, password;

Scanner s = **new** Scanner(System.***in***); System.***out***.println("Welcome to Camera Rental App\n"); System.***out***.print("Enter username:");// username:user username = s.nextLine();

System.***out***.print("Enter password:");// password:user password = s.nextLine();

**if** (username.equals("navya") && password.equals("navya@32")) { System.***out***.println("Login Successful"); ArrayList<Data> list = **new** ArrayList<>(); list.add(**new** Data(1, "Canon", "DSLR", 1200, **true**));

list.add(**new** Data(2, "Nikon", "SRL", 550, **false**));

list.add(**new** Data(3, "LG", "Digital", 2600, **true**));

list.add(**new** Data(4, "Lenova", "XPL", 3000, **true**)); list.add(**new** Data(5, "Ricoh", "Panasonic", 3350, **true**)); list.add(**new** Data(6, "Sony", "2130", 2700, **false**));

list.add(**new** Data(7, "Samsung", "DL", 5600, **true**)); list.add(**new** Data(8, "Leica", "Sigma", 1200, **true**));

// int l=list.size();

**int** x = 0;

**do** {

**int** option;

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

// public void main\_option() System.***out***.println("1.MY CAMERA"); System.***out***.println("2.RENT A CAMERA"); System.***out***.println("3.VIEW ALL CAMERA"); System.***out***.println("4.MY WALLET"); System.***out***.println("Select your option : "); option = sc.nextInt();

**switch** (option) {

**case** 1:

**int** k = 0;

**do** {

**int** choose; System.***out***.println("1.ADD"); System.***out***.println("2.REMOVE"); System.***out***.println("3.VIEW MY CAMERA");

System.***out***.println("4.GO TO PREVIOUS MENU"); System.***out***.println("Enter your choice : "); choose = sc.nextInt();

**switch** (choose) {

**case** 1:

System.***out***.println("Enter Camera ID: "); **int** camera\_id = sc.nextInt(); System.***out***.println("Enter Camera Brand: "); String brand = sc.next(); System.***out***.println("Enter Camera Model: "); String model = sc.next();

System.***out***.println("Enter Camera Price per day: ");

**double** price = sc.nextFloat();

**boolean** Available = **true**;

list.add(**new** Data(camera\_id, brand, model, price, Available)); System.***out***.println("Successfully Added");

System.***out***.println("You want view camera List please enter '1' else enter '0' ");

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

**if** (m == 1) {

System.***out***.println("cameraID\t Brand\t Model\t Price\t Status");

**for** (**int** i = 0; i < list.size(); i++) { Data data = list.get(i);

String status = data.isAvailable() ? "Available" : "Rended"; System.***out***.println(data.getId() + "\t\t" + data.getBrand() + "\t" +

data.getModel()

+ "\t" + data.getPrice() + "\t" + status);

}

}

**break**; **case** 2:

System.***out***.println("Which one you want to remove 'Enter camera Id': ");

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

**for** (**int** i = 0; i < list.size(); i++) { Data camera = list.get(i);

**if** (camera.getId() == cameraId) { list.remove(i);

# break;

}

}

**break**; **case** 3:

System.***out***.println("cameraID\t Brand\t Model\t Price\t Status");

**for** (**int** i = 0; i < list.size(); i++) { Data data = list.get(i);

String status = data.isAvailable() ? "Available" : "Rended"; System.***out***.println(data.getId() + "\t\t" + data.getBrand() + "\t" +

data.getModel()

+ "\t" + data.getPrice() + "\t" + status);

}

**case** 4:

x = 1;

# break;

}

System.***out***.println("If u want add or remove camera please enter '1' else '0':");

k = sc.nextInt();

} **while** (k == 1);

**break**; **case** 2:

System.***out***.println("cameraID\t Brand\t Model\t Price\t Status");

**for** (Data data : list) {

**if** (data.isAvailable()) {

String status = data.isAvailable() ? "Available" : "Rended"; System.***out***.println(data.getId() + "\t\t" + data.getBrand() + "\t" +

data.getModel() + "\t"

+ data.getPrice() + "\t" + status);

}

}

**int** index = -1;

System.***out***.println("Which one you want to rent 'Entre camera Id': ");

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

**for** (**int** i = 0; i < list.size(); i++) { Data camera = list.get(i);

**if** (camera.getId() == cameraId) { index = i;

**break**; // Found the camera, exit the loop

}

}

**if** (index != -1) {

Data a = list.get(index);

**if** (a.getPrice() <= INR) { System.***out***.println("Rended Successfully"); a.setAvailable(**false**);

INR = INR - a.getPrice();

System.***out***.println("Current wallet balance - " + INR);

} **else** {

System.***out***.println("You don't have Sufficient Balance in your wallet");

}

} **else** {

System.***out***.println("Camera with ID " + cameraId + " is not found in the list.");

}

**break**; **case** 3:

System.***out***.println("cameraID\t Brand\t Model\t Price\t Status");

**for** (**int** i = 0; i < list.size(); i++) { Data data = list.get(i);

String status = data.isAvailable() ? "Available" : "Rended";

System.***out***.println(data.getId() + "\t\t" + data.getBrand() + "\t" +

data.getModel() + "\t"

+ data.getPrice() + "\t" + status);

}

**break**; **case** 4:

System.***out***.println("Your current wallet balance is :" + INR); System.***out***.println("Do you want to deposit more amount to your wallet?(1.Yes 2.No)- ");

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

**if** (m == 1) {

System.***out***.println("Enter deposit amount: ");

**double** addAmount = sc.nextDouble(); INR = INR + addAmount;

System.***out***.print("Your Wallet balance updated successfully...");

}

System.***out***.println("Current wallet balance - " + INR);

# break;

}

System.***out***.println("If u want continue (1.Yes 2.No)- "); x = sc.nextInt();

} **while** (x == 1);

} **else** {

System.***out***.println("Authentication Failed");

}

System.***out***.println("Thank you for visiting camera rental");

}

}