File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7
- JavaProgram8

Tabs: AppendFile.java | AppendFile1... | TextFileRead... | MyThread.java | CameraRenta... | CameraRenta... | User.java | CameraRenta... ×

```java
 1  package com.camera.rental;
 2
 3  import java.util.ArrayList;
 4  import java.util.List;
 5  import java.util.Scanner;
 6
 7
 8  class Camera {
 9      private String brand;
10      private String model;
11      private double perDayPrice;
12      private boolean isRented;
13
14      public Camera(String brand, String model, double perDayPrice) {
15          this.brand = brand;
16          this.model = model;
17          this.perDayPrice = perDayPrice;
18          this.isRented = false;
19      }
20
21      public String getBrand() {
22          return brand;
23      }
24
25      public String getModel() {
26          return model;
27      }
28
29      public double getPerDayPrice() {
30          return perDayPrice;
31      }
32
33      public boolean isRented() {
34          return isRented;
35      }
36
37      public void setRented(boolean rented) {
38          isRented = rented;
39      }
40
41      @Override
42      public String toString() {
43          return brand + " " + model + " - " + perDayPrice;
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

AppendFile.java   AppendFile1...   TextFileRead...   MyThread.java   CameraRenta...   CameraRenta...   User.java   CameraRenta... ×

```
43        return brand + " " + model + " - " + perDayPrice;
44     }
45  }
46
47  class Wallet {
48     private double balance;
49
50     public Wallet() {
51        this.balance = 0.0;
52     }
53
54     public double getBalance() {
55        return balance;
56     }
57
58     public void deposit(double amount) {
59        balance += amount;
60     }
61
62     public boolean withdraw(double amount) {
63        if (amount <= balance) {
64           balance -= amount;
65           return true;
66        }
67        return false;
68     }
69  }
70
71  public class CameraRentalApp {
72     private static List<Camera> cameraList = new ArrayList<>();
73     private static Wallet wallet = new Wallet();
74     private static Scanner sc;
75
76     public static void main(String[] args) {
77        displayWelcomeScreen();
78
79        boolean exit = false;
80        Scanner scanner = new Scanner(System.in);
81
82        while (!exit) {
83           int choice = getUserChoice(scanner);
84           switch (choice) {
85              case 1:
```

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7
- JavaProgram8

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7
- JavaProgram8

Tabs: AppendFile.java | AppendFile1... | TextFileRead... | MyThread.java | CameraRenta... | CameraRenta... | User.java | CameraRenta... ×

```java
86                  manageMyCamera(scanner);
87                  break;
88              case 2:
89                  rentCamera(scanner);
90                  break;
91              case 3:
92                  viewAllCameras();
93                  break;
94              case 4:
95                  manageWallet(scanner);
96                  break;
97              case 5:
98                  exit = true;
99                  System.out.println("Exiting the application...");
100                 break;
101             default:
102                 System.out.println("Invalid choice. Please try again.");
103             }
104         }
105
106         scanner.close();
107     }
108
109     private static void displayWelcomeScreen() {
110         System.out.println("+------------------------------------------+");
111         System.out.println("|    WELCOME TO THE RENTAL CAMERA APP    |");
112         System.out.println("+------------------------------------------+");
113         System.out.println("PLEASE LOGIN TO CONTINUE -");
114         sc = new Scanner(System.in);
115         String str1=sc.next();
116         String str2=sc.next();
117         System.out.println("USERNAME -"+str1);
118         System.out.println("PASSWORD -"+str2);
119         System.out.println("1. MY CAMERA");
120         System.out.println("2. RENT A CAMERA");
121         System.out.println("3. VIEW ALL CAMERAS");
122         System.out.println("4. MY WALLET");
123         System.out.println("5. EXIT");
124     }
125
126     private static int getUserChoice(Scanner scanner) {
127         System.out.print("Enter your choice: ");
128         return scanner.nextInt();
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

AppendFile.java   AppendFile1....   TextFileRead...   MyThread.java   CameraRenta...   CameraRenta...   User.java   CameraRenta... ×

```
128            return scanner.nextInt();
129        }
130
131●    private static void manageMyCamera(Scanner scanner) {
132        boolean backToMain = false;
133
134        while (!backToMain) {
135            System.out.println("\n1. ADD");
136            System.out.println("2. REMOVE");
137            System.out.println("3. VIEW MY CAMERAS");
138            System.out.println("4. GO TO PREVIOUS MENU");
139
140            int choice = getUserChoice(scanner);
141            switch (choice) {
142                case 1:
143                    addCamera(scanner);
144                    break;
145                case 2:
146                    removeCamera(scanner);
147                    break;
148                case 3:
149                    viewMyCameras();
150                    break;
151                case 4:
152                    backToMain = true;
153                    break;
154                default:
155                    System.out.println("Invalid choice. Please try again.");
156            }
157        }
158    }
159
160●    private static void addCamera(Scanner scanner) {
161        System.out.print("Enter the camera brand: ");
162        String brand = scanner.next();
163        System.out.print("Enter the camera model: ");
164        String model = scanner.next();
165        System.out.print("Enter the per day price (INR): ");
166        double perDayPrice = scanner.nextDouble();
167
168        Camera camera = new Camera(brand, model, perDayPrice);
169        cameraList.add(camera);
```

Package Explorer

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

AppendFile.java   AppendFile1....   TextFileRead...   MyThread.java   CameraRenta...   CameraRenta...   User.java   CameraRenta... ×

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7
- JavaProgram8

```java
171             System.out.println("YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.");
172         }
173
174     private static void removeCamera(Scanner scanner) {
175         viewMyCameras();
176
177         System.out.print("Enter the camera ID to remove: ");
178         int cameraId = scanner.nextInt();
179
180         if (cameraId >= 0 && cameraId < cameraList.size()) {
181             cameraList.remove(cameraId);
182             System.out.println("Camera successfully removed from the list.");
183         } else {
184             System.out.println("Invalid camera ID.");
185         }
186     }
187
188     private static void viewMyCameras() {
189         if (cameraList.isEmpty()) {
190             System.out.println("No cameras present at this moment.");
191         } else {
192             System.out.printf("%-10s %-10s %-10s %-10s %-10s\n",
193                 "CAMERA ID", "BRAND", "MODEL", "PRICE", "STATUS");
194             int id = 0;
195             for (Camera camera : cameraList) {
196                 System.out.printf("%-10s %-10s %-10s %-10.2f %-10s\n",
197                         id++, camera.getBrand(), camera.getModel(),
198                         camera.getPerDayPrice(), camera.isRented() ? "Rented" : "Available");
199             }
200         }
201     }
202
203     private static void rentCamera(Scanner scanner) {
204         viewAllCameras();
205
206         if (cameraList.isEmpty()) {
207             System.out.println("No cameras available for rent at this moment.");
208             return;
209         }
210
211         System.out.print("Enter the camera ID you want to rent: ");
212         int cameraId = scanner.nextInt();
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

```
AppendFile.java   AppendFile1...   TextFileRead...   MyThread.java   CameraRenta...   CameraRenta...   User.java   CameraRenta... ×
```

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6
- JavaProgram7
- JavaProgram8

```java
214        if (cameraId >= 0 && cameraId < cameraList.size()) {
215            Camera camera = cameraList.get(cameraId);
216            if (camera.isRented()) {
217                System.out.println("Camera is already rented.");
218            } else {
219                if (wallet.getBalance() >= camera.getPerDayPrice()) {
220                    wallet.withdraw(camera.getPerDayPrice());
221                    camera.setRented(true);
222                    System.out.println("Camera rented successfully.");
223                } else {
224                    System.out.println("Insufficient wallet balance. Please deposit the amount to your wallet.");
225                }
226            }
227        } else {
228            System.out.println("Invalid camera ID.");
229        }
230    }
231
232    private static void viewAllCameras() {
233        System.out.println("\nFOLLOWING IS THE LIST OF AVAILABLE CAMERA(S)\n");
234        if (cameraList.isEmpty()) {
235            System.out.println("No cameras available at this moment.");
236        } else {
237            System.out.printf("%-10s %-10s %-10s %-10s %-10s\n",
238                    "CAMERA ID", "BRAND", "MODEL", "PRICE", "STATUS");
239            int id = 0;
240            for (Camera camera : cameraList) {
241                System.out.printf("%-10s %-10s %-10s %-10.2f %-10s\n",
242                        id++, camera.getBrand(), camera.getModel(),
243                        camera.getPerDayPrice(), camera.isRented() ? "Rented" : "Available");
244            }
245        }
246    }
247
248    private static void manageWallet(Scanner scanner) {
249        System.out.println("\nMY WALLET\n");
250        System.out.printf("Your current wallet balance is INR %.2f\n", wallet.getBalance());
251
252        System.out.println("Do you want to deposit more amount to your wallet?");
253        System.out.println("1. Yes");
254        System.out.println("2. No");
255
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

- AssessmentProject1
  - JRE System Library [JavaSE-1.8]
  - src
    - (default package)
      - CameraRentalApp.java
    - com.camera.rental
      - CameraRentalApp.java
    - com.camera.rental.app
      - CameraRentalApp.java
      - User.java
- Assisted Project1
- Assisted Project2
- Assisted Project3
- Assisted Project4
- Assisted Project5
- Assisted Project6
- Assisted Project7
- Assisted Project8
- Assisted Project9
- Example1
- JavaProgram1
- JavaProgram10
- JavaProgram11
- JavaProgram12
- JavaProgram2
- JavaProgram3
- JavaProgram4
- JavaProgram5
- JavaProgram6

Tabs: AppendFile.java | AppendFile1... | TextFileRead... | MyThread.java | CameraRenta... | CameraRenta... | User.java | CameraRenta... ×

```java
                         "CAMERA ID", "BRAND", "MODEL", "PRICE", "STATUS");
            int id = 0;
            for (Camera camera : cameraList) {
                System.out.printf("%-10s %-10s %-10s %-10.2f %-10s\n",
                        id++, camera.getBrand(), camera.getModel(),
                        camera.getPerDayPrice(), camera.isRented() ? "Rented" : "Available");
            }
        }
    }

    private static void manageWallet(Scanner scanner) {
        System.out.println("\nMY WALLET\n");
        System.out.printf("Your current wallet balance is INR %.2f\n", wallet.getBalance());

        System.out.println("Do you want to deposit more amount to your wallet?");
        System.out.println("1. Yes");
        System.out.println("2. No");

        int choice = scanner.nextInt();

        switch (choice) {
            case 1:
                System.out.print("Enter the amount (INR): ");
                double amount = scanner.nextDouble();
                wallet.deposit(amount);
                System.out.printf("Your wallet balance updated successfully. Current wallet balance: INR %.2f\n", wallet.getBalance()
                break;
            case 2:
                break;
            default:
                System.out.println("Invalid choice. Please try again.");
        }
    }

    @SuppressWarnings("unused")
    private static void exitApplication() {
        System.out.println("Exiting the application... Goodbye!");
        System.exit(0);
    }
}
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Problems @ Javadoc Declaration Console ×

<terminated> CameraRentalApp (1) [Java Application] C:\Users\Srinivas\.p2\pool\plugins\org.eclipse.justj.openjdk.ho

```
+------------------------------------------+
|    WELCOME TO THE RENTAL CAMERA APP    |
+------------------------------------------+
PLEASE LOGIN TO CONTINUE -
sirisha
8750
USERNAME -sirisha
PASSWORD -8750
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT
Enter your choice: 1

1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
Enter your choice: 1
Enter the camera brand: canon
Enter the camera model: 5050
Enter the per day price (INR): 25000
YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.

1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
Enter your choice: 2
CAMERA ID  BRAND      MODEL      PRICE       STATUS
0          canon      5050       25000.00    Available
Enter the camera ID to remove: 0
Camera successfully removed from the list.

1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
Enter your choice: 3
No cameras present at this moment.
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Problems @ Javadoc Declaration Console ×

<terminated> CameraRentalApp (1) [Java Application] C:\Users\Srinivas\.p2\pool\plugins\org.eclipse.justj.openjd

```
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
Enter your choice: 1
Enter the camera brand: canon
Enter the camera model: 5050
Enter the per day price (INR): 25000
YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.

1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
Enter your choice: 4
Enter your choice: 2

FOLLOWING IS THE LIST OF AVAILABLE CAMERA(S)

CAMERA ID  BRAND       MODEL       PRICE       STATUS
0          canon       5050        25000.00    Available
Enter the camera ID you want to rent: 0
Insufficient wallet balance. Please deposit the amount to your wallet.
Enter your choice: 4

MY WALLET

Your current wallet balance is INR 0.00
Do you want to deposit more amount to your wallet?
1. Yes
2. No
1
Enter the amount (INR): 50000
Your wallet balance updated successfully. Current wallet balance: INR 50000.00
Enter your choice: 4

MY WALLET

Your current wallet balance is INR 50000.00
Do you want to deposit more amount to your wallet?
1. Yes
```

Problems   @ Javadoc   Declaration   Console ×

<terminated> CameraRentalApp (1) [Java Application] C:\Users\Srinivas\.p2\pool\plugins\org.eclipse.justj.openj

```
Do you want to deposit more amount to your wallet?
1. Yes
2. No
1
Enter the amount (INR): 20000
Your wallet balance updated successfully. Current wallet balance: INR 70000.00
Enter your choice: 4

MY WALLET

Your current wallet balance is INR 70000.00
Do you want to deposit more amount to your wallet?
1. Yes
2. No
2
Enter your choice: 2

FOLLOWING IS THE LIST OF AVAILABLE CAMERA(S)

CAMERA ID   BRAND       MODEL        PRICE         STATUS
0           canon       5050         25000.00      Available
Enter the camera ID you want to rent: 0
Camera rented successfully.
Enter your choice: 3

FOLLOWING IS THE LIST OF AVAILABLE CAMERA(S)

CAMERA ID   BRAND       MODEL        PRICE         STATUS
0           canon       5050         25000.00      Rented
Enter your choice: 4

MY WALLET

Your current wallet balance is INR 45000.00
Do you want to deposit more amount to your wallet?
1. Yes
2. No
2
Enter your choice: 5
Exiting the application...
```