```java
//……..
package com.rental.cameras;
import java.util.*;

public class cameraLogIn {

    static Scanner scanner = new Scanner(System.in);
    static List<String> cameraCollection = new ArrayList<>();
    static List<String> myCameraCollection = new ArrayList<>();
    static double walletBalance = 20500.5; // Default wallet balance

    public static void main(String[] args) {
        String username, password;

        System.out.println("Welcome to the Camera Rental System\n");
        System.out.println("Please enter your username: ");
        username = scanner.nextLine();

        System.out.println("Please enter your password: ");
        password = scanner.nextLine();

        // Check the username and password
        if (username.equals("admin") && password.equals("admin123")) {
            System.out.println("Login successful. Welcome, " + username + "!\n");
            initializeCameraCollection();

            while (true) {
                displayMainMenu();
                int choice = scanner.nextInt();
                scanner.nextLine(); // Consume newline character

                switch (choice) {
                    case 1:
                        myCamera();
                        break;
                    case 2:
                        rentCamera();
                        break;
                    case 3:
                        viewAllCameras();
                        break;
                    case 4:
                        myWallet();
                        break;
                    case 5:
                        System.out.println("Exiting...");
                        System.exit(0);
                        break;
                    default:
                        System.out.println("Invalid choice. Please select a valid
option.");
                }
            }
        } else {
            System.out.println("Invalid username or password. Please try again.");
        }
    }

    private static void displayMainMenu() {
```

```
        System.out.println("Options to be displayed:");
        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.println("Enter your choice: ");
    }

    private static void myCamera() {
        while (true) {
            displayMyCameraMenu();
            int choice = scanner.nextInt();
            scanner.nextLine(); // Consume newline character

            switch (choice) {
                case 1:
                    addCameraToMyCollection();
                    break;
                case 2:
                    removeCameraFromMyCollection();
                    break;
                case 3:
                    viewMyCameras();
                    break;
                case 4:
                    return; // Go back to the main menu
                default:
                    System.out.println("Invalid choice. Please select a valid
option.");
            }
        }
    }

    private static void displayMyCameraMenu() {
        System.out.println("Options for My Camera:");
        System.out.println("1. Add");
        System.out.println("2. Remove");
        System.out.println("3. View My Cameras");
        System.out.println("4. Go To Previous Menu");
        System.out.println("Enter your choice: ");
    }

    private static void addCameraToMyCollection() {
        System.out.println("Enter the camera Brand: ");
        String brand = scanner.nextLine();
        System.out.println("Enter the Model: ");
        String model = scanner.nextLine();
        System.out.println("Enter the price per day: ");
        double pricePerDay = scanner.nextDouble();
        scanner.nextLine(); // Consume newline character

        String cameraDetails = brand + "       " + model + "            " +
pricePerDay + " per day";
        myCameraCollection.add(cameraDetails);
        System.out.println("Your camera has been successfully added to the
list.");
    }
```

```
    private static void removeCameraFromMyCollection() {
        System.out.println("My Cameras:");
        for (int i = 0; i < myCameraCollection.size(); i++) {
            System.out.println((i + 1) + ". " + myCameraCollection.get(i));
        }

        System.out.println("Enter the camera to remove: ");
        int cameraNumber = scanner.nextInt();
        scanner.nextLine(); // Consume newline character

        if (cameraNumber > 0 && cameraNumber <= myCameraCollection.size()) {
            String removedCamera = myCameraCollection.remove(cameraNumber - 1);
            System.out.println(removedCamera + " successfully removed from the
list.");
        } else {
            System.out.println("Invalid camera number. Please select a valid
option.");
        }
    }

    private static void viewMyCameras() {
        System.out.println("My Cameras:");
        for (String camera : myCameraCollection) {
            System.out.println(camera + " - Available");
        }
    }

    private static void rentCamera() {
        System.out.println("Available Cameras:");
        for (int i = 0; i < cameraCollection.size(); i++) {
            System.out.println((i + 1) + ". " + cameraCollection.get(i) + " -
Available");
        }

        System.out.println("Enter the number of the camera you want to rent: ");
        int cameraNumber = scanner.nextInt();
        scanner.nextLine(); // Consume newline character

        if (cameraNumber > 0 && cameraNumber <= cameraCollection.size()) {
            String rentedCamera = cameraCollection.get(cameraNumber - 1);
            double pricePerDay = 0; // assuming pricePerDay is initialized
somewhere
            if (pricePerDay > walletBalance) {
                System.out.println("Low balance in wallet. Cannot rent the
camera.");
            } else {
                System.out.println("Your transaction for camera: " + rentedCamera
+ " - Rented");
            }
        } else {
            System.out.println("Invalid camera number. Please select a valid
option.");
        }
    }

    private static void viewAllCameras() {
        System.out.println("Option 3 selected: View All Cameras");
        System.out.println("Available Cameras:");
        for (String camera : cameraCollection) {
```

```
            System.out.println(camera + " - Available");
        }
    }

    private static void myWallet() {
        System.out.println("Your current wallet balance is - INR " +
walletBalance);
        System.out.println("Do you want to deposit more amount to your wallet?");
        System.out.println("1. Yes");
        System.out.println("2. No");
        int depositChoice = scanner.nextInt();
        scanner.nextLine(); // Consume newline character

        if (depositChoice == 1) {
            System.out.println("Enter the deposit amount(INR): ");
            double depositAmount = scanner.nextDouble();
            scanner.nextLine(); // Consume newline character
            walletBalance += depositAmount;
            System.out.println("Your wallet balance updated successfully. Current
balance is INR " + walletBalance);
        } else if (depositChoice == 2) {
            System.out.println("No amount added to the wallet. Current balance
remains INR " + walletBalance);
        } else {
            System.out.println("Invalid choice. Please select a valid option.");
        }
    }

    private static void initializeCameraCollection() {
        cameraCollection.add("Canon           EOS R5       12000");
        cameraCollection.add("Nikon           Z7 II        11000");
        cameraCollection.add("SonyU           A7R IV       10000");
        cameraCollection.add("FujiU           X-T4         12700");
        cameraCollection.add("DSLRU           P1 H         16000");
        cameraCollection.add("DS11U           S 1Z         16000");
        cameraCollection.add("SYR1U           Q1 V         16000");
        cameraCollection.add("Akon1           T1 U         116000");
    }
}

private static void viewMyCameras() {

   System.out.println("My Cameras:");

   for (String camera : myCameraCollection) {

      System.out.println(camera + " - Available");

   }

}



private static void rentCamera() {

   System.out.println("Available Cameras:");
```

```
    for (int i = 0; i < cameraCollection.size(); i++) {
        System.out.println((i + 1) + ". " + cameraCollection.get(i) + " - Available");
    }

    System.out.println("Enter the number of the camera you want to rent: ");
    int cameraNumber = scanner.nextInt();
    scanner.nextLine(); // Consume newline character

    if (cameraNumber > 0 && cameraNumber <= cameraCollection.size()) {
        String rentedCamera = cameraCollection.get(cameraNumber - 1);
        double pricePerDay = 0; // assuming pricePerDay is initialized somewhere
        if (pricePerDay > walletBalance) {
            System.out.println("Low balance in wallet. Cannot rent the camera.");
        } else {
            System.out.println("Your transaction for camera: " + rentedCamera + " - Rented");
        }
    } else {
        System.out.println("Invalid camera number. Please select a valid option.");
    }
}
```