CAMERA RENTAL APPLICATION PROGRAM:

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import java.util.*;
class Camera {
  private static int idCounter = 1;
  private int id;
  private String brand;
  private String model;
  private double perDayPrice;
  public Camera(String brand, String model, double perDayPrice) {
    this.id = idCounter++;
    this.brand = brand;
    this.model = model;
    this.perDayPrice = perDayPrice;
  }
  public int getId() {
    return id;
  }
  public String getBrand() {
    return brand;
  }
  public String getModel() {
    return model;
  }
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public double getPerDayPrice() {
    return perDayPrice;
  }
}
class CameraRental {
  private List<Camera> cameraList;
  private double walletBalance;
  public CameraRental() {
    cameraList = new ArrayList<>();
    walletBalance = 0.0;
  }
  public void addCamera(Camera camera) {
    cameraList.add(camera);
    System.out.println("Your camera has been successfully added to the list.");
  }
  public void removeCamera(int camerald) {
    boolean removed = false;
    Iterator<Camera> iterator = cameraList.iterator();
    while (iterator.hasNext()) {
      Camera camera = iterator.next();
      if (camera.getId() == cameraId) {
        iterator.remove();
        removed = true;
        break;
      }
    }
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if (removed) {
    System.out.println("Camera successfully removed from the list.");
  } else {
    System.out.println("Camera with the specified ID not found.");
  }
}
public void viewMyCameras() {
  if (cameraList.isEmpty()) {
    System.out.println("No cameras are currently added to the list.");
  } else {
    System.out.println("My Cameras:");
    for (Camera camera : cameraList) {
      System.out.println("ID: " + camera.getId() +
                 ", Brand: " + camera.getBrand() +
                 ", Model: " + camera.getModel() +
                 ", Per Day Price: " + camera.getPerDayPrice() + " INR");
    }
  }
}
public void rentCamera(int camerald) {
  Camera selectedCamera = null;
  for (Camera camera : cameraList) {
    if (camera.getId() == camerald) {
      selectedCamera = camera;
      break;
    }
  }
  if (selectedCamera == null) {
    System.out.println("Camera with the specified ID not found.");
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} else {
    if (walletBalance >= selectedCamera.getPerDayPrice()) {
      walletBalance -= selectedCamera.getPerDayPrice();
      System.out.println("Your transaction for the camera has been successfully completed.");
    } else {
      System.out.println("Insufficient balance in your wallet to rent this camera.");
    }
  }
}
public void viewAllCameras() {
  if (cameraList.isEmpty()) {
    System.out.println("No cameras are currently available for rent.");
  } else {
    System.out.println("Available Cameras:");
    for (Camera camera : cameraList) {
      System.out.println("ID: " + camera.getId() +
                 ", Brand: " + camera.getBrand() +
                 ", Model: " + camera.getModel() +
                 ", Per Day Price: " + camera.getPerDayPrice() + " INR");
    }
  }
}
public void viewWalletBalance() {
  System.out.println("Your current wallet balance is " + walletBalance + " INR.");
}
public void depositToWallet(double amount) {
  walletBalance += amount;
  System.out.println("Your wallet balance has been updated successfully. Current balance is " +
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walletBalance + " INR.");
}
public void run() {
  Scanner scanner = new Scanner(System.in);
  int choice;
  do {
    System.out.println("\nWelcome to the Camera Rental App");
    System.out.println("Please login to continue");
    System.out.print("Username: ");
    String username = scanner.nextLine();
    System.out.println("\nMain Menu:");
    System.out.println("1. My Cameras");
    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("Enter your choice: ");
    choice = scanner.nextInt();
    scanner.nextLine(); // Consume the newline character
    switch (choice) {
      case 1:
        System.out.println("\nMy Cameras Menu:");
        System.out.println("a. Add");
        System.out.println("b. Remove");
        System.out.println("c. View My Cameras");
        System.out.println("d. Go to Previous Menu");
        System.out.print("Enter your choice: ");
        char subChoice = scanner.nextLine().charAt(0);
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switch (subChoice) {
    case 'a':
      System.out.print("Enter the camera brand: ");
      String brand = scanner.nextLine();
      System.out.print("Enter the model: ");
      String model = scanner.nextLine();
      System.out.print("Enter the per day price (INR): ");
      double perDayPrice = scanner.nextDouble();
      scanner.nextLine(); // Consume the newline character
      addCamera(new Camera(brand, model, perDayPrice));
      break;
    case 'b':
      System.out.print("Enter the camera ID to remove: ");
      int camerald = scanner.nextInt();
      scanner.nextLine(); // Consume the newline character
      removeCamera(camerald);
      break;
    case 'c':
      viewMyCameras();
      break;
    case 'd':
      // Go to previous menu
      break;
    default:
      System.out.println("Invalid choice. Please try again.");
  }
  break;
case 2:
  System.out.print("Enter the camera ID you want to rent: ");
  int rentCamerald = scanner.nextInt();
  scanner.nextLine(); // Consume the newline character
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rentCamera(rentCamerald);
  break;
case 3:
  viewAllCameras();
  break;
case 4:
  System.out.println("\nMy Wallet Menu:");
  System.out.println("a. My Wallet");
  System.out.println("b. Add Money");
  System.out.println("c. Go to Previous Menu");
  System.out.print("Enter your choice: ");
  char walletChoice = scanner.nextLine().charAt(0);
  switch (walletChoice) {
    case 'a':
      viewWalletBalance();
      break;
    case 'b':
      System.out.print("Enter the amount to deposit (INR): ");
      double depositAmount = scanner.nextDouble();
      scanner.nextLine(); // Consume the newline character
      depositToWallet(depositAmount);
      break;
    case 'c':
      // Go to previous menu
      break;
    default:
      System.out.println("Invalid choice. Please try again.");
  }
  break;
case 5:
  System.out.println("Exiting the application. Goodbye!");
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break;
        default:
          System.out.println("Invalid choice. Please try again.");
      }
    } while (choice != 5);
  }
}
public class CameraRentalApp {
  public static void main(String[] args) {
    CameraRental rentalApp = new CameraRental();
    // Adding some sample cameras
    rentalApp.addCamera(new Camera("Canon", "EOS R5", 50.0));
    rentalApp.addCamera(new Camera("Nikon", "Z7 II", 60.0));
    rentalApp.addCamera(new Camera("Sony", "A7R IV", 55.0));
    rentalApp.run();
  }
}
```