```
package camerarentalapplication;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class CameraRentalApp {
	private List<Camera> cameraList;
	private double userWalletBalance;
	public CameraRentalApp() {
		cameraList = new ArrayList<>();
		userWalletBalance = 5000.0;
		}
	public void addCamera(String brand, String model, double rentPerDay) {
		Camera camera = new Camera(brand, model, rentPerDay);
		cameraList.add(camera);
		}
	public void addCamerasToList() {
		addCamera("Nikon"," Nik345", 500.00);
		addCamera("Canon","C123", 1000.00);
		addCamera("samsung","S123", 2000.00);
		addCamera("Sony","Sony123", 3000.00);
		}
	public void removeCamera() {
		if (cameraList.isEmpty()) {
		System.out.println("No cameras available.");
		} else {
			Scanner sc = new Scanner(System.in);
			System.out.println("Enter camera Id to remove:");
			int cameraIndex = sc.nextInt();
			sc.nextLine();
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                    if (cameraIndex >= 0 && cameraIndex < cameraList.size()) {
                        Camera removedCamera = cameraList.remove(cameraIndex);
                        System.out.println("Removed camera: " +
removedCamera.getBrand() + " " +
                        removedCamera.getModel());
                        } else {
                        System.out.println("Invalid camera ID.");
                        }
                        }
    }
    public void displayCameraList() {
        if (cameraList.isEmpty()) {
        System.out.println("No cameras available.");
        } else {
        for (int i = 0; i < cameraList.size(); i++) {
        Camera camera = cameraList.get(i);
        String status = camera.isRented() ? "Rented" : "Available";
        System.out.println((i) + ". " + camera.getBrand() + " " + camera.getModel() + " - $" +
        camera.getRentPerDay() + " per day (" + status + ")");
        }
        }
    }
    public void rentCamera(int cameraIndex) {
        if (cameraIndex >= 0 && cameraIndex < cameraList.size()) {
        Camera camera = cameraList.get(cameraIndex);
        if (camera.isRented()) {
        System.out.println("Camera already rented.");
        } else {
        System.out.println("Renting camera: " + camera.getBrand() + " " +
camera.getModel());
        camera.setRented(true);
        System.out.println("Camera rented successfully!");
```

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}
} else {
        System.out.println("Invalid camera ID.");
        }
        }
        public void displaySubMenu() {
        Scanner sc = new Scanner(System.in);
        while (true) {
        System.out.println("Wallet Menu:");
        System.out.println("1.Deposit Amount");
        System.out.println("2.View Wallet Balance");
        System.out.println("3.Go Back to Main Menu");
        int choice = sc.nextInt();
        sc.nextLine();
        switch (choice) {
        case 1:
        System.out.print("Enter amount to deposit: ");
        double amount = sc.nextDouble();
        sc.nextLine();
        depositAmount(amount);
        break;
        case 2:
        viewWalletBalance();
        break;
        case 3:
        return;
        default:
        System.out.println("Invalid choice...!!!!");
        }
        System.out.println();
        }
```

```
}
public void depositAmount(double amount) {
	if (amount <= 0) {
	System.out.println("Ivalid amount...");
	} else {
	userWalletBalance += amount;
	System.out.println("Deposit successful..");
	}
}
public void viewWalletBalance() {
	System.out.println("Current wallet balance: $" +
userWalletBalance);
	}
	public void displayMenu() {
	Scanner sc = new Scanner(System.in);
	while (true) {
	System.out.println("Main Menu:");
	System.out.println("1.My Camera");
	System.out.println("2.Rent a camera");
	System.out.println("3.Display available cameras");
	System.out.println("4.My Wallet");
	System.out.println("5.Exit");
	int choice = sc.nextInt();
	sc.nextLine();
	switch (choice) {
	case 1:
	PreviousMenu();
	int ch = sc.nextInt();
	if(ch==1)
	{
	System.out.print("Enter camera brand: ");
```

```
String brand = sc.nextLine();
sc.nextLine();
System.out.print("Enter camera model: ");
String model = sc.nextLine();
System.out.print("Enter per-day rent amount: ");
double rentPerDay = sc.nextDouble();
sc.nextLine();
addCamera(brand, model, rentPerDay);
break;
}
else if(ch==2)
{
removeCamera();
}
else if(ch==3)
{
        return;
}
else
{System.out.println("Oops... try again!");
//System.out.println("Invalid Choice Selected Please select proper
choice");

}
case 2:
        displayCameraList();
        System.out.print("Enter Camera ID :");
        int cameraIndex = sc.nextInt();
        sc.nextLine();
        rentCamera(cameraIndex);
        break;
case 3:
```

```
                displayCameraList();
                break;
                case 4:
                displaySubMenu();
                break;
                case 5:
                System.out.println("Closing your application... \nThank
you!");
                System.exit(0);
                default:
                System.out.println("Oops... try again!");
                break;
            }
            System.out.println();
            }
            }
            public void PreviousMenu()
            {
            System.out.println("1.Add");
            System.out.println("2.Remove");
            System.out.println("3.View My Cameras");
            System.out.println("4.Back to Previous Menu");
            //System.out.println("Enter a choice: ");
            }
            public static void main(String[] args) {
                CameraRentalApp obj=new CameraRentalApp();
                obj.addCamerasToList();
                User obj1=new User();
                obj1.login(obj);
            }
}
```

USER:

```
package camerarentalapplication;

import java.util.Scanner;

class User {
	private String username;
	 private String password;
	private Scanner sc;
	 public User() {
		username="MOUNIKA";
		setPassword("Mounika@1297");
	 }
	 public void login(CameraRentalApp rentalSystem) {
		sc = new Scanner(System.in);
		System.out.println(" Hello.....!!!!! ");
		System.out.println(" ** ");
		System.out.println("+---------------------------------------
---+");
	       System.out.println(" WELCOME TO CAMERA RENTAL APP ");
	       System.out.println("+---------------------------------------
--+");
	       System.out.println("ENTER LOGIN DETAILS -");
	       System.out.print("USERNAME -");
		String uname = sc.nextLine();
		System.out.print("PASSWORD -");
		String pname = sc.nextLine();
		if (uname.equals(username) && pname.equals(getPassword())) {
			System.out.println("Login successful!!");
			rentalSystem.displayMenu();
			} else {
			System.out.println("Oops... try again!");
			}
	 }
	 public String getUsername() {
		return username;
		}
		public void setUsername(String username) {
		this.username = username;
		}
		public String getPassword() {
			return password;
			}
			public void setPassword(String password) {
			this.password = password;
			}
			}
```

CAMERA:

```
package camerarentalapplication;

public class Camera {

		       private String brand;
			private String model;
			private double rentPerDay;
			private boolean isRented;
			public Camera(String brand, String model, double
rentPerDay) {
```

```
        this.brand = brand;
        this.model = model;
        this.rentPerDay = rentPerDay;
    }
    public String getBrand() {
        return brand;
    }
    public String getModel() {
        return model;
    }
    public double getRentPerDay() {
        return rentPerDay;
    }
    public boolean isRented() {
        return isRented;
    }
    public void setRented(boolean isRented) {
        this.isRented = isRented;
    }
}
```