

# Camera Rental Application

## Output

1. Waiting till the user enters the correct credentials (Username = admin, Password = password)

```
Console × Camera.java CameraMain.java CameraRentalManager.java Wallet.java
CameraMain [Java Application] C:\Users\aksh1\Downloads\sts-4.18.0.RELEASE\plugins\org.eclipse.justj.openjdk
+-----+
| WELCOME TO CAMERA RENTAL APP |
+-----+
PLEASE LOGIN TO CONTINUE
USERNAME - superuser
PASSWORD - 12323
INVALID CREDENTIALS. PLEASE TRY AGAIN.
PLEASE LOGIN TO CONTINUE
USERNAME - admin
PASSWORD - password
LOGIN SUCCESSFUL!

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION:
```

2. Handling cases when user enters input as numbers other than 1 to 5

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: nol2
INVALID OPTION. PLEASE TRY AGAIN.

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 6
INVALID OPTION. PLEASE TRY AGAIN.

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 1

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION:
```

### 3. My Camera Menu (Adding Cameras and Viewing Rented Cameras)

```
=====
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 1

ENTER CAMERA BRAND - Nikon
ENTER MODEL - xy123
ENTER THE PER DAY PRICE (INR): 4500

YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.

=====
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 3

YOUR RENTED CAMERAS:
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)      STATUS
=====
4              Nikon      2030      Rs 500.0             Rented
6              Chroma     CT21      Rs 750.0             Rented
=====

=====
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 4

=====
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT
=====
```

4. Renting a Camera (Handling when user enters non-integers and ID not present in the list)

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 2

FOLLOWING IS THE LIST OF AVAILABLE CAMERAS:
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1              Samsung    DS123      Rs 500.0         Available
2              Sony       HD214      Rs 500.0         Available
3              Panasonic  XC         Rs 1000.0        Available
5              Canon      5050       Rs 2500.0        Available
7              Fujitsu    J5         Rs 1000.0        Available
8              Nikon      xy123      Rs 4500.0        Available
=====

ENTER CAMERA ID TO RENT - id12
INVALID INPUT. PLEASE ENTER A VALID CAMERA ID (INTEGER).

ENTER CAMERA ID TO RENT - 9

CAMERA WITH ID 9 NOT FOUND.
```

5. When insufficient balance is present, user is informed to deposit amount in Wallet

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 2

FOLLOWING IS THE LIST OF AVAILABLE CAMERAS:
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1              Samsung    DS123      Rs 500.0         Available
2              Sony       HD214      Rs 500.0         Available
3              Panasonic  XC         Rs 1000.0        Available
5              Canon      5050       Rs 2500.0        Available
7              Fujitsu    J5         Rs 1000.0        Available
8              Nikon      xy123      Rs 4500.0        Available
=====

ENTER CAMERA ID TO RENT - 5

TRANSACTION FAILED DUE TO INSUFFICIENT BALANCE. DEPOSIT AMOUNT IN WALLET

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 4

YOUR CURRENT WALLET BALANCE IS - INR. 1000.0
DO YOU WANT TO DEPOSIT MORE AMOUNT TO YOUR WALLET? (1. YES 2. NO) -
```

6. Handling cases when user enters options other than integers and when user enters amount as not a number.

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 4

YOUR CURRENT WALLET BALANCE IS - INR. 1000.0
DO YOU WANT TO DEPOSIT MORE AMOUNT TO YOUR WALLET? (1. YES 2. NO) - yeah123
INVALID INPUT. PLEASE ENTER A VALID CHOICE(INTEGER) - 1
ENTER THE AMOUNT (INR) - 5thousand
INVALID INPUT. PLEASE ENTER A VALID AMOUNT.
ENTER THE AMOUNT (INR) - 5000
YOUR WALLET BALANCE UPDATED SUCCESSFULLY. CURRENT WALLET BALANCE - INR. 6000.0
```

7. After depositing amount, the same camera is rented

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 2

FOLLOWING IS THE LIST OF AVAILABLE CAMERAS:
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1              Samsung    DS123      Rs 500.0         Available
2              Sony       HD214      Rs 500.0         Available
3              Panasonic  XC         Rs 1000.0        Available
5              Canon      5050       Rs 2500.0        Available
7              Fujitsu    J5         Rs 1000.0        Available
8              Nikon      xyl23      Rs 4500.0        Available
=====

ENTER CAMERA ID TO RENT - 5

YOUR TRANSACTION FOR CAMERA - Canon 5050 WITH RENT INR. 2500.0 HAS SUCCESSFULLY COMPLETED!
```

## 8. Viewing the updated rented cameras in MY CAMERA > VIEW MY CAMERAS

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 1

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 3

YOUR RENTED CAMERAS:
=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
4            Nikon      2030        Rs 500.0         Rented
5            Canon      5050        Rs 2500.0        Rented
6            Chroma     CT21        Rs 750.0         Rented
=====

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 4

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT
```

## 9. Checking Status in VIEW ALL CAMERAS

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 3
=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1            Samsung    DS123       Rs 500.0         Available
2            Sony       HD214       Rs 500.0         Available
3            Panasonic  XC          Rs 1000.0        Available
4            Nikon      2030        Rs 500.0         Rented
5            Canon      5050        Rs 2500.0        Rented
6            Chroma     CT21        Rs 750.0         Rented
7            Fujitsu    J5          Rs 1000.0        Available
8            Nikon      xy123       Rs 4500.0        Available
=====
```

## 10. Checking the updated amount in MY WALLET

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 4

YOUR CURRENT WALLET BALANCE IS - INR. 3500.0
DO YOU WANT TO DEPOSIT MORE AMOUNT TO YOUR WALLET? (1. YES 2. NO) - 2

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT
```

## 11. Removing a camera from MY CAMERA > REMOVE

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 1

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2

=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1              Samsung    DS123      Rs 500.0         Available
2              Sony       HD214      Rs 500.0         Available
3              Panasonic  XC         Rs 1000.0        Available
4              Nikon      2030      Rs 500.0         Rented
5              Canon      5050      Rs 2500.0        Rented
6              Chroma     CT21      Rs 750.0         Rented
7              Fujitsu    J5         Rs 1000.0        Available
8              Nikon      xy123     Rs 4500.0        Available
=====

ENTER CAMERA ID TO REMOVE - 7
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
```

## 12. Handling when user enters input other than 1 to 4 in the MY CAMERA Menu

```
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: option3
INVALID OPTION. PLEASE TRY AGAIN.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 7
INVALID OPTION. PLEASE TRY AGAIN.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 4

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION:
```

## 13. Viewing updated Camera VIEW ALL CAMERAS after removing

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 3

=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1              Samsung    DS123      Rs 500.0         Available
2              Sony       HD214      Rs 500.0         Available
3              Panasonic  XC         Rs 1000.0        Available
4              Nikon      2030       Rs 500.0         Rented
5              Canon      5050       Rs 2500.0        Rented
6              Chroma     CT21       Rs 750.0         Rented
8              Nikon      xy123      Rs 4500.0        Available
=====

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT
```

14. Again, adding a camera and checking the updated list

ENTER OPTION: 1

ENTER CAMERA BRAND - Panasonic

ENTER MODEL - PA123

ENTER THE PER DAY PRICE (INR): 450

YOUR CAMERA HAS BEEN SUCCESSFULLY ADDED TO THE LIST.

OPTIONS:

1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 4

OPTIONS:

1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 3

CAMERA ID	BRAND	MODEL	PRICE (PER DAY)	STATUS
1	Samsung	DS123	Rs 500.0	Available
2	Sony	HD214	Rs 500.0	Available
3	Panasonic	XC	Rs 1000.0	Available
4	Nikon	2030	Rs 500.0	Rented
5	Canon	5050	Rs 2500.0	Rented
6	Chroma	CT21	Rs 750.0	Rented
8	Nikon	xy123	Rs 4500.0	Available
9	Panasonic	PA123	Rs 450.0	Available



## 15. Removing all Cameras and displaying NO DATA PRESENT AT THIS MOMENT.

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 1

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2

=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
1            Samsung    DS123       Rs 500.0         Available
2            Sony       HD214       Rs 500.0         Available
3            Panasonic  XC          Rs 1000.0        Available
4            Nikon      2030       Rs 500.0         Rented
5            Canon      5050       Rs 2500.0        Rented
6            Chroma     CT21       Rs 750.0         Rented
8            Nikon      xyl23      Rs 4500.0        Available
9            Panasonic  PA123      Rs 450.0         Available
=====

ENTER CAMERA ID TO REMOVE - 1
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2

=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
2            Sony       HD214       Rs 500.0         Available
3            Panasonic  XC          Rs 1000.0        Available
4            Nikon      2030       Rs 500.0         Rented
5            Canon      5050       Rs 2500.0        Rented
6            Chroma     CT21       Rs 750.0         Rented
8            Nikon      xyl23      Rs 4500.0        Available
9            Panasonic  PA123      Rs 450.0         Available
=====

ENTER CAMERA ID TO REMOVE - 2
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2

=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
3            Panasonic  XC          Rs 1000.0        Available
4            Nikon      2030       Rs 500.0         Rented
5            Canon      5050       Rs 2500.0        Rented
6            Chroma     CT21       Rs 750.0         Rented
8            Nikon      xyl23      Rs 4500.0        Available
9            Panasonic  PA123      Rs 450.0         Available
=====

ENTER CAMERA ID TO REMOVE - 3
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2

=====
CAMERA ID    BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
4            Nikon      2030       Rs 500.0         Rented
5            Canon      5050       Rs 2500.0        Rented
6            Chroma     CT21       Rs 750.0         Rented
8            Nikon      xyl23      Rs 4500.0        Available
9            Panasonic  PA123      Rs 450.0         Available
=====

ENTER CAMERA ID TO REMOVE - 4
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
```

```
ENTER OPTION: 2
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
5              Canon      5050       Rs 2500.0        Rented
6              Chroma     CT21       Rs 750.0         Rented
8              Nikon      xyl23      Rs 4500.0        Available
9              Panasonic PA123      Rs 450.0        Available
=====

ENTER CAMERA ID TO REMOVE - 5
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
6              Chroma     CT21       Rs 750.0         Rented
8              Nikon      xyl23      Rs 4500.0        Available
9              Panasonic PA123      Rs 450.0        Available
=====

ENTER CAMERA ID TO REMOVE - 6
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
8              Nikon      xyl23      Rs 4500.0        Available
9              Panasonic PA123      Rs 450.0        Available
=====

ENTER CAMERA ID TO REMOVE - 8
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

=====
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 2
=====
CAMERA ID      BRAND      MODEL      PRICE (PER DAY)  STATUS
=====
9              Panasonic PA123      Rs 450.0        Available
=====

ENTER CAMERA ID TO REMOVE - 9
CAMERA SUCCESSFULLY REMOVED FROM THE LIST.

=====
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU
```

```
OPTIONS:
1. ADD
2. REMOVE
3. VIEW MY CAMERAS
4. GO TO PREVIOUS MENU

ENTER OPTION: 4

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 3
NO DATA PRESENT AT THIS MOMENT.

OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION:
```

#### 16. Exiting the Application

```
OPTIONS:
1. MY CAMERA
2. RENT A CAMERA
3. VIEW ALL CAMERAS
4. MY WALLET
5. EXIT

ENTER OPTION: 5
EXITING THE APPLICATION. THANK YOU!
```