Portales Presidential Place Hotel

1. Upon software initialization, arbitrary rooms and guests are created:

```
Last login: Sun Nov 12 15:59:25 on ttys007
[(base) cpalmares@Calebs-MacBook-Air HotelManagement % java Main.java
14 Guests created. Room count: 32
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
```

2. Option 1 lists all occupied rooms.

```
1
Option 1
All occupied rooms:
Room number: 101. Guest is Bill Bush and ID is: 1005
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231112
Room number: 102. Guest is George Nixon and ID is: 1001
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231117
Room number: 103. Guest is Barack Reagan and ID is: 1010
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231116
Room number: 104. Guest is Bill Reagan and ID is: 1012
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231117
Room number: 105. Guest is Joe Reagan and ID is: 1013
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231117
Room number: 106. Guest is George Biden and ID is: 1014
        Room type: Standard. Nightly Cost: $100.0
        Check in date: 20231112
        Check out date: 20231113
Room number: 108. Guest is Richard Trump and ID is: 1008
```

3. Option 2 asks to Register and or Remove a guest. Below is an example of registering a guest:

```
2
Option 2
Please select option:

1. Register guest
2. Remove guest
3. Cancel
1
All previous guest stays:

Is guest a previous customer? If so, please enter Guest ID. If not, please enter 0:0
Enter the reservation holder name: Caleb Palmares
Enter numeric value of room type:

1. Standard
2. Suite
3. PentHouse
3
Enter desired check-in date in numeric format yyyyMMdd:
NOTE: entering non-valid date will cause program to crash.
20231112
Enter desired check-out date in numeric format yyyyMMdd:
NOTE: entering non-valid date will cause program to crash.
20231116
        Please enable pool access for client in 402.
        NOTICE: this room requires cleaing daily.
        Free WIFI also available. WiFi password for 402 is CS_234!
Guest Caleb Palmares has been created and added to PentHouse room 402.
```

4. Below is an example of removing a guest from a room. This option will archive the guest for future reference, calculates the amount to pay, and sets the room for cleaning.

```
Room number: 402. Guest is Caleb Palmares and ID is: 1015
        Room type: PentHouse. Nightly Cost: $210.0
        Please enable pool access for client in 402.
        NOTICE: this room requires cleaing daily.
        Free WIFI also available. WiFi password for 402 is CS_234!
        Check in date: 20231112
        Check out date: 20231116
Please make a selection:
1. Enter a Room Number to vacate
2. Remove all deliquent guests
3. Cancel
1
Please enter Room Number:
402
Guest Caleb Palmares stayed for 4 days and is now checked-out.
        Total cost of stay: 840.0
Room now queued for cleaning.
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
```

5. Option 3 allows for employee creation and/or modification:
   NOTE: password for creating a new employee is 'root'

```
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
3
Option 3
Please select option:

1. Create new employee
2. Flip employee employment status
3. Cancel
1
Please enter default admin password:root
Is new employee a manager?
Please enter Y for yes, N for no.
Y
Enter the new employee name: Mr. Boss
Enter the salary: 1000
Enter the new employee job title: BossMan
New employee created!
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
```

6. Options 1, 4, 5, and 6 are read-only options
7. Option 7 allows for flipping of room 'clean' statuses:
   Since room 402 was the only one that has been vacated in our example, it's the
   only room marked for cleaning as shown below:

```
Option 7
Unclean room number: 402
Please submit room number to update: 402
Room is clean
Room 402 updated.
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
```

8. However, any room can be updated with option 7, even if guests are currently occupied:

```
Option 6
All room numbers to be cleaned:
Unclean room number: 101
Unclean room number: 302
~~~Menu~~~
1. List all occupied rooms
2. Register/remove guest
3. Register/retire guest employee
4. List all employees
5. List all previous guest stays
6. List all unclean rooms
7. Flip room 'clean' status
8. Quit
8
Option 8
Bye
~~~~~~~~~~~~~~~~~~~~
(base) cpalmares@Calebs-MacBook-Air HotelManagement %
```

9. Option 8 is used for exiting the program