

Individual Work for All: Java Program, Report and Sample Report

Sample Report for Java Coursework

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Starting Interface

```
ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30      4
2      Out-patient visitors main area    30      10
3      Out-patient visitors sub-waiting area  30      10
4      In-patient visitors waiting area    30      10

Put in your details
User input
-----
Your ID: 
```

Testing Scenario

A) Test 1 – Key in user details

When the program runs, it will display the menu and then followed by prompting user to put it their ID, full name, and the location ID that they want to visit. After they press Enter on the keyboard, it will display the maximum number of visitors allowed and then automatically generate a random number for the current number of visitors. An additional feature of bolding the “Put in your details” and “User input” were done to catch user’s attention that they should write in their information that were listed.

```
ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30      4
2      Out-patient visitors main area    30      10
3      Out-patient visitors sub-waiting area  30      10
4      In-patient visitors waiting area    30      10

Put in your details
User input
-----
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): 1
```

Case 1.1

The place has not reached the maximum number of visitors. So, it displays that participant is allowed to enter in blue highlight and underlined. Then, the program prints the current number of visitors including the user. After that, assuming user has entered, it will display the healthy social distancing between the user and the other person. The distance is displayed in bold to let the user be aware. Then, it will move on to Dynamic Distancing which prompts whether there is anyone in the direction before prompting for the distance. [Proceed to **Test 2** for the continuation.]

ID	Accessible places	Permitted waiting time (min)	Maximum capacity
1	Intensive care unit visiting area	30	4
2	Out-patient visitors main area	30	10
3	Out-patient visitors sub-waiting area	30	10
4	In-patient visitors waiting area	30	10

Put in your details

User input

Your ID: 20414841

Full Name: Yeo Yi Xin

Where do you want to enter (according to the location ID as shown above): 1

Maximum number of visitor allowed: 4

Current number of visitor: 0

You may enter

Current number of visitor (including you): 1

Please make sure the distance of you from another person is always 1m apart.

Is there a person in front of you? (y/n): █

Case 1.2

The place has reached the maximum number of visitors. So, it displays that participant is not allowed to enter in red highlight and underlined. Then, it will display the average waiting time in minutes followed by the estimated turn for the user to receive permission to enter the location. After that, the program will prompt whether user is willing to.

ID	Accessible places	Permitted waiting time (min)	Maximum capacity
1	Intensive care unit visiting area	30	4
2	Out-patient visitors main area	30	10
3	Out-patient visitors sub-waiting area	30	10
4	In-patient visitors waiting area	30	10

Put in your details

User input

Your ID: 20414841

Full Name: Yeo Yi Xin

Where do you want to enter (according to the location ID as shown above): 1

Maximum number of visitor allowed: 4

Current number of visitor: 4

Maximum visitor capacity has reached

Average waiting time (minutes): 30

Your turn (estimated): 00:24:19

Press 'Y' or 'y' for yes and other keys for no. Would you be willing to wait?

█

Case 1.2.1

User is willing to wait. Then, the program will assume that the waiting time is up. It will then proceed to Dynamic Distancing which prompts whether there is anyone in the direction before prompting for the distance. In this program, in the current details, it will assume that the current time is the estimated time until user's turn as the starting time user enter the

location. [Proceed to **Test 2** for the continuation or Case 3.3 in **Test 3** to see the output of the current details.]

```
Put in your details
User input
-----
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): 1
Maximum number of visitor allowed: 4
Current number of visitor: 4

Maximum visitor capacity has reached
Average waiting time (minutes): 30
Your turn (estimated): 00:24:19
Press 'Y' or 'y' for yes and other keys for no. Would you be willing to wait?
y

Your waiting time is over! Thank you for being patient. You may go in now.

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): █
```

Case 1.2.2

If user is not willing to wait, the program will then prompt if user wants to apply at another venue. User press 'Y' or 'y' if user wants to apply other venue and other key if user does not want to apply other venue.

```
Put in your details
User input
-----
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): 1
Maximum number of visitor allowed: 4
Current number of visitor: 4

Maximum visitor capacity has reached
Average waiting time (minutes): 30
Your turn (estimated): 01:24:11
Press 'Y' or 'y' for yes and other keys for no. Would you be willing to wait?
n

Press 'Y' or 'y' to apply next venue and other key to stop:
█
```

Case 1.2.2.1

User presses 'y' or 'Y' and wants to apply to other venue. The program will prompt on whether user wants to apply to the same restricted spot in underline.

```
Maximum visitor capacity has reached
Average waiting time (minutes): 30
Your turn (estimated): 01:27:01
Press 'Y' or 'y' for yes and other keys for no. Would you be willing to wait?
n

Press 'Y' or 'y' to apply next venue and other key to stop:
y

Do you want to try to re-apply to the same location again?

Press 'Y' or 'y' for Yes and other key as No if you do not want to apply to the same location.
```

Case 1.2.2.1.1

User presses ‘y’ or ‘Y’ as user wants to apply to the same location again. The program will process the request and the user is allowed to apply for the same location.

```
Do you want to try to re-apply to the same location again?

Press 'Y' or 'y' for Yes and other key as No if you do not want to apply to the same location.
y
Alright, thank you for the confirmation. Request will be processed.
You may now attempt to reapply to the same location

ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30      4
2      Out-patient visitors main area  30      10
3      Out-patient visitors sub-waiting area  30      10
4      In-patient visitors waiting area  30      10

Put in your details
User input
-----
Your ID: 
```

Case 1.2.2.1.2

User presses other keys as user does not want to apply to the same location. The program will prompt whether user wants to check other available spots other than the spot user has applied for initially.

```
Do you want to try to re-apply to the same location again?

Press 'Y' or 'y' for Yes and other key as No if you do not want to apply to the same location.
n

Press 'Y' or 'y' for Yes and other key as No if you want to check where is available other than the spots you applied for.
```

Case 1.2.2.1.2.1

User presses ‘y’ or ‘Y’ as user wants to check only the information of the restricted spot that may be available. In this case, user applied to location ID 1 but the maximum number of

visitors has reached and user is not willing to wait but wants to apply to other restricted spot.

```
Press 'Y'or 'y' for Yes and other key as No if you want to check where is available other than the spots you applied for
y

Available spots:

ID      Accessible places      Permitted waiting time (min)  Maximum capacity
2       Out-patient visitors main area  30                            10
3       Out-patient visitors sub-waiting area  30                            10
4       In-patient visitors waiting area  30                            10

Put in your details
User input
-----
Your ID: █
```

Case 1.2.2.1.2.2

User presses other keys to see all the information of the available Restricted Spot location. However, user will still not be allowed to apply for the restricted spot that they are not allowed entrance earlier in the program. If user still apply to the same location even after user decided not to apply to the same location, then the program will display an error message as seen in **Test 5** in the **Error Testing** section.

```
Press 'Y'or 'y' for Yes and other key as No if you want to check where is available other than the spots you applied for.
n

ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1       Intensive care unit visiting area  30                            4
2       Out-patient visitors main area  30                            10
3       Out-patient visitors sub-waiting area  30                            10
4       In-patient visitors waiting area  30                            10

Put in your details
User input
-----
Your ID: █
```

Case 1.2.2.2

User presses other key and does not want to apply to other venue. The program will display “Thank you!” and end the program.

```
Maximum visitor capacity has reached
Average waiting time (minutes): 30
Your turn (estimated): 01:46:42
Press 'Y' or 'y' for yes and other keys for no. Would you be willing to wait?
n

Press 'Y'or 'y' to apply next venue and other key to stop:
g
Thank you!
```

B) Test 2 – Key in distance between user and the people in the spots

After the user is allowed to enter, they will be prompt whether there is a person in front, to the back, to the right or to the left of the user. If user type and enter 'Y' or 'y', it will prompt user for the distance between the user and the person, who can either be another visitor, hospital staff or patients. If user type 'N' or 'n', it means that there is no person in that direction from the user. Then, it will display "No person detected to the {direction} of the user" where the {direction} will be filled in by the current direction that is being asked by the program. This process will repeat until all four sides has been asked. In this case, the user has entered that there is person to the front, back and right, and no one to the left.

Put in your details

User input

Your ID: 20414841

Full Name: Yeo Yi Xin

Where do you want to enter (according to the location ID as shown above): 1

Maximum number of visitor allowed: 4

Current number of visitor: 0

You may enter

Current number of visitor (including you): 1

Please make sure the distance of you from another person is always 1m apart.

Is there a person in front of you? (y/n): y

What is the distance between you and the person in front (m) eg, 1.0 = 1

Is there a person at the back of you? (y/n): y

What is the distance between you and the person at the back (m) eg, 1.0 = 1

Is there a person to the left of you? (y/n): n

No person detected to the left.

Is there a person to the right of you? (y/n): y

What is the distance between you and the person at the right (m) eg, 1.0 = 1

Case 2.1

All person from four sides, three sides, two sides or one side are more than or equal to 1.0m distance away from user, hence the social distancing status as set as DISTANCING. An additional feature of changing the safe social distancing colour which is green in the case of DISTANCING is added to let user know they are in a safe distance. The current detail of the user will be printed out according to the information that the user has entered. In addition to the information that user enters, there are additional information such as displaying the name of the venue that were chosen based on the location ID, the allowed time in which in this case

is 30 minutes from the current time, the current date, and the contact status. After putting in all the information, user will be prompt whether they want to register at other venue. An additional feature of bolding the “Your current detail” is for the user to look at the details they have input, the spots they have chosen, their allowed time, date and contact status.

[Proceed to **Test 3** for the continuation.]

```
Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): y
What is the distance between you and the person in front (m) eg, 1.0 = 1

Is there a person at the back of you? (y/n): y
What is the distance between you and the person at the back (m) eg, 1.0 = 1

Is there a person to the left of you? (y/n): n
No person detected to the left.

Is there a person to the right of you? (y/n): y
What is the distance between you and the person at the right (m) eg, 1.0 = 1

Your current detail
-----
ID: 20414841
Name: Yeo Yi Xin
Spot: 1
Name of spot: Intensive care unit visiting area
Allowed Time: 22:45:36 to 23:15:36
Date: 09/04/2023

Contact Status: DISTANCING

Press 'Y' or 'y' to apply next venue and other key to stop:
█
```

Case 2.2

The contact status is CASUAL which means that one person from either of the four sides is less than 1.0m away from user. The current detail of the user will be printed out according to the information that the user has entered. In addition to the information that user enters, there are additional information such as displaying the name of the venue that were chosen based on the location ID, the allowed time in which in this case is 30 minutes from the current time, the current date, and the contact status which is now orange as it is CASUAL. User will be asked to move away from the person in the direction that is close to the user in yellow highlight. The program will then prompt whether the user has moved from the person which is close to user.

You may enter

Current number of visitor (including you): 10

Please make sure the distance of you from another person is always **1m** apart.

Is there a person in front of you? (y/n): y

What is the distance between you and the person in front (m) eg, 1.0 = 0.4

Is there a person at the back of you? (y/n): n

No person detected to the back.

Is there a person to the left of you? (y/n): y

What is the distance between you and the person at the left (m) eg, 1.0 = 1

Is there a person to the right of you? (y/n): n

No person detected to the right.

Please move 0.60m from the person(s) at the front of you.

One side

Your current detail

ID: 20414841

Name: Yeo Yi Xin

Spot: 2

Name of spot: Out-patient visitors main area

Allowed Time: 01:24:19 to 01:54:19

Date: 10/04/2023

Contact Status: CASUAL

Contact Status: CASUAL

Put 'Y' or 'y' as yes and other keys as no.

Did you move away from the person(s) who are close to you? █

Case 2.2.1

User presses 'Y' or 'y'. The program will prompt user to re-enter the distance of user from other people again to finalise the contact status of the user. The aim is to get the latest contact status of user who contact status was not DISTANCING.

Put 'Y' or 'y' as yes and other keys as no.

Did you move away from the person(s) who are close to you? y

Thank you! Please fill in the distance again to finalise you contact status.

Please make sure the distance of you from another person is always **1m** apart.

Is there a person in front of you? (y/n): █

Hence, it does not matter if the contact status of user is still casual even after changing the distance. It means that the user is not within the safe distance.

```
Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): y
What is the distance between you and the person in front (m) eg, 1.0 = 1

Is there a person at the back of you? (y/n): y
What is the distance between you and the person at the back (m) eg, 1.0 = 0.5

Is there a person to the left of you? (y/n): y
What is the distance between you and the person at the left (m) eg, 1.0 = 1

Is there a person to the right of you? (y/n): n
No person detected to the right.

Please move 0.50m from the person(s) at the back of you.
One side

Your current detail
-----
ID: 20414841
Name: Yeo Yi Xin
Spot: 2
Name of spot: Out-patient visitors main area
Allowed Time: 01:32:51 to 02:02:51
Date: 10/04/2023

Contact Status: CASUAL

Press 'Y' or 'y' to apply next venue and other key to stop:
```

Case 2.2.2

User presses other key other than 'Y'. The program will print out a warning message to the user but will also prompt user to re-enter the distance of user from other people again to finalise the contact status of the user.

```
Did you move away from the person(s) who are close to you? n

Do note that you are in are not within the 1m safe distancing rule.
You may be asked to leave the place by the guards at the spot.
However, can you please fill in the distance again to finalise you contact status.
To check if the surrounding people have moved.

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): █
```

Hence, it does not matter if the contact status of user is still casual even after changing the distance. It means that the user is not within the safe distance. The purpose is to check whether the contact status has changed or not in which in this case, it changes from CASUAL

to DISTANCING even though user did not move. It might be because the other visitors have moved away.

```
Did you move away from the person(s) who are close to you? h

Do note that you are in are not within the 1m safe distancing rule.
You may be asked to leave the place by the guards at the spot.
However, can you please fill in the distance again to finalise you contact status.
To check if the surrounding people have moved.

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): n
No person detected to the front.

Is there a person at the back of you? (y/n): n
No person detected to the back.

Is there a person to the left of you? (y/n): n
No person detected to the left.

Is there a person to the right of you? (y/n): y
What is the distance between you and the person at the right (m) eg, 1.0 = 1

Your current detail
-----
ID: 20414841
Name: Yeo Yi Xin
Spot: 2
Name of spot: Out-patient visitors main area
Allowed Time: 01:37:26 to 02:07:26
Date: 10/04/2023

Contact Status: DISTANCING

Press 'Y' or 'y' to apply next venue and other key to stop:
```

Case 2.3

The contact status is CLOSE which means that there are more than one person from either two or more of the four sides are less than 1.0m away from user. The current detail of the user will be printed out according to the information that the user has entered. In addition to the information that user enters, there are additional information such as displaying the name of the venue that were chosen based on the location ID, the allowed time in which in this case is 30 minutes from the current time, the current date, and the contact status which is now red as it is CLOSE. User will be asked to move away from the persons in the directions that are close to the user in yellow highlight. The program will then prompt whether the user has moved from the person which is close to user. Then, user will repeat the same process as in Case 2.2.1 or Case 2.2.2.

Please make sure the distance of you from another person is always **1m** apart.

Is there a person in front of you? (y/n): y

What is the distance between you and the person in front (m) eg, 1.0 = 0.5

Is there a person at the back of you? (y/n): y

What is the distance between you and the person at the back (m) eg, 1.0 = 0.7

Is there a person to the left of you? (y/n): n

No person detected to the left.

Is there a person to the right of you? (y/n): n

No person detected to the right.

Please move 0.50m from the person(s) at the front of you.

Please move 0.30m from the person(s) at the back of you.

There are people from more than one side who are close to you.

You are in a restricted area with close contact risk.

Your current detail

ID: 20414841

Name: Yeo Yi Xin

Spot: 2

Name of spot: Out-patient visitors main area

Allowed Time: 02:07:15 to 02:37:15

Date: 10/04/2023

Contact Status: CLOSE

Put 'Y' or 'y' as yes and other keys as no.

Did you move away from the person(s) who are close to you? █

C) Test 3 – Infinite loop on allowing user to register at the next venue until user enter other keys other than 'Y' or 'y'.

After the user has finished entering the details such as users' personal information, the venue user wants to go, and the distance of the user and the current details has been printed out, the program will prompt whether user wants to continue registering next venue.

Your current detail

ID: 20414841

Name: Yeo Yi Xin

Spot: 1

Name of spot: Intensive care unit visiting area

Allowed Time: 22:45:36 to 23:15:36

Date: 09/04/2023

Contact Status: DISTANCING

Press 'Y' or 'y' to apply next venue and other key to stop:

█

Case 3.1

If user enters 'Y' or 'y' key, the main menu will be displayed again where this time, it will not show the information of the restricted spot that user has allowed entrance to. After the menu is displayed, user will repeat the same process from **Test 1** to **Test 2**.

```
Your current detail
-----
ID: 2041481
Name: Yeo Yi Xin
Spot: 1
Name of spot: Intensive care unit visiting area
Allowed Time: 23:05:09 to 23:35:09
Date: 04/04/2023
```

Contact Status: DISTANCING

Press 'Y' or 'y' to register next venue:

y

Contact Status: DISTANCING

Press 'Y' or 'y' to apply next venue and other key to stop:

y

ID	Accessible places	Permitted waiting time (min)	Maximum capacity
2	Out-patient visitors main area	30	10
3	Out-patient visitors sub-waiting area	30	10
4	In-patient visitors waiting area	30	10

Put in your details

User input

Your ID:

Case 3.2

If user enters other keys other than 'Y' or 'y', the program will display "Thank you!" and proceed to break out from the while loop and end the program.

Contact Status: DISTANCING

Press 'Y' or 'y' to register next venue:

n

Thank you!

Case 3.3

After user is not allowed entrance, choose to wait, given permission to enter, and filled in the details as stated in **Test 2**, user will see the current details where the starting date is 30

minutes after the current time as it assumes user enters the restricted spot at the estimated time.

```
Your waiting time is over! Thank you for being patient. You may go in now.

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): y
What is the distance between you and the person in front (m) eg, 1.0 = 1

Is there a person at the back of you? (y/n): y
What is the distance between you and the person at the back (m) eg, 1.0 = 1

Is there a person to the left of you? (y/n): n
No person detected to the left.

Is there a person to the right of you? (y/n): y
What is the distance between you and the person at the right (m) eg, 1.0 = 1

Your current detail
-----
ID: 20414841
Name: Yeo Yi Xin
Spot: 1
Name of spot: Intensive care unit visiting area
Allowed Time: 00:32:12 to 01:02:12

Contact Status: DISTANCING

Press 'Y' or 'y' to apply next venue and other key to stop:
█
```

Error Testing

A) Test 1 – Enter letters or special characters when user is prompted for ID.

When user runs the program, they will be prompted by the system to enter his or her ID. The ID should contain numbers only. If the user were to enter any input which includes letters or special characters such as dash, the program will produce an error message by printing out in red and bold font that tells user to only include numbers in the ID section. After that, the program will prompt the user for the ID again until the input contains only number.

User enters a combination of letters and numbers.

```
ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30                          4
2      Out-patient visitors main area    30                          10
3      Out-patient visitors sub-waiting area 30                          10
4      In-patient visitors waiting area    30                          10

Put in your details
User input
-----
Your ID: abc123
```

Program shows error message and prompt user for ID again. **[Change]**

```
ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30                          4
2      Out-patient visitors main area    30                          10
3      Out-patient visitors sub-waiting area 30                          10
4      In-patient visitors waiting area    30                          10

Put in your details
User input
-----
Your ID: abc123

Please enter number only

Your ID: 
```

User reenters the input with a combination of numbers and a special character. Program shows error message and prompt user for ID again.

```
ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1      Intensive care unit visiting area  30                          4
2      Out-patient visitors main area      30                          10
3      Out-patient visitors sub-waiting area  30                          10
4      In-patient visitors waiting area      30                          10

Put in your details
User input
-----
Your ID: abc123

Please enter number only

Your ID: 012-

Please enter number only

Your ID: |
```

B) Test 2 – Enter letters or numbers which are not part of the ID that were given.

User should only enter a number between 1 and 4 (both 1 and 4 are inclusive) when being prompted to enter the location ID. The location ID and the place can be checked by looking at the menu that was printed out before the “Put in your details” line. If the user were to enter any input which includes letters, the program will produce an error message by printing out in red and bold font informing user to only enter numbers. If user enters a number which is more than 5 or less than 1, the program will produce an error message by printing out in red and bold font informing user to only enter numbers that are provided in the ID section of the menu. After that, the program will prompt the user for the location ID again until user enters an acceptable input which is ID between 1 and 4.

User enters a letter. Program shows error message and prompt user for location ID again.

```
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): a

Please enter number only

Where do you want to enter (according to the location ID as shown above): |
```

User enters the number 5 which is not a valid location ID. Program shows error message and prompt user for location ID again.


```

Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): a

Please enter number only

Where do you want to enter (according to the location ID as shown above): b

Please enter number only

Where do you want to enter (according to the location ID as shown above): 5

Please enter only the given location id!

Location ID:

```

User enters the number 0 which is not a valid location. Program shows error message and prompt user for location ID again.

```

ID      Accessible places      Permitted waiting time (min)  Maximum capacity
1       Intensive care unit visiting area  30                            4
2       Out-patient visitors main area    30                            10
3       Out-patient visitors sub-waiting area  30                            10
4       In-patient visitors waiting area    30                            10

Put in your details
User input
-----
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): 0

Please enter only the given location id!

Location ID:

```

C) Test 3 – Enter a letter other than the uppercase or lowercase of the letter ‘y’ or ‘n’.

When user is prompted for whether there is a person in the direction of user, if user enter any letter which are not ‘y’, ‘Y’, ‘n’ or ‘N’, the program will display an error message which is in red and bold. After that, the program will prompt user to input the answer again.

User enters the letter ‘f’ which is an invalid response. The program shows error message and prompt user for response for the same question.

```

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): f
Invalid response. Please enter y or n.
Is there a person in front of you? (y/n): 

```

D) Test 4 – Enter a letter when being prompted for distance.

When user includes or enters a letter when the program prompt for the distance between user and the person after user has replied with 'y' or 'Y' when prompted with whether there is a person in the direction of the user. The program will display an error message which is in red and bold. After that, the program will prompt user to input the answer again.

User enters the letter 'j' which is an invalid response. The program shows error message and prompt user for response for the same question.

```

Please make sure the distance of you from another person is always 1m apart.
-----
Is there a person in front of you? (y/n): y
What is the distance between you and the person in front (m) eg, 1.0 = j
Please enter number only
What is the distance between you and the person in front (m) eg, 1.0 = 

```

E) Test 5 – Applying to the same location the second time user apply for the restricted spots

When user tries to apply to the same location after being allowed entrance or after applying for not wanting to apply for the same location when user is not allowed entrance initially, there will be an error message in bold and red informing user that the user has already applied to the restricted spot before. The program prompt user for response for the restricted spot ID again until the ID is valid and not the same as the ID that user applied a time before.

```

Available spots:
ID      Accessible places          Permitted waiting time (min)  Maximum capacity
2       Out-patient visitors main area  30                             10
3       Out-patient visitors sub-waiting area  30                             10
4       In-patient visitors waiting area  30                             10

Put in your details
User input
-----
Your ID: 20414841
Full Name: Yeo Yi Xin
Where do you want to enter (according to the location ID as shown above): 1
You have applied for this location before
Location ID: 

```

