**CS 3343**

Software Engineering Practice

**Group Project – “Hot Meals”**

Group-1

**Bug Reports**

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# **Bug Sample #1**

**Product Name: “Hot Meal” - A Reservation Manager**

**Bug ID:** 233

**Component:** BranchTimeManager.java

**Version:** 1.0

**Severity:** major

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** Hour was being wrongly incremented due to double adding tick

**Description:**

When looking for available intervals, instead of checking every 15 minutes, the system seems to be checking every 30 minutes.

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces
6. Enter “21:00”
7. Enter "1" to create new reservation
8. Enter "UT" to enter name
9. Enter any number between 1 to choose a location
10. Enter a number between 1-50 to choose number of people
11. Enter numbers between 1-15 separated by spaces

Expected results:

- 11:00-22:45

Actual results:

- 11:00-22:30

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

25

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number separated by a space!:

1 2 3 4 5 6 7

11:00-22:00

Select any time from these intervals

21:00

Booking is for Avi

Booking is for 25 guests

Your booking time is: 21:00 - 22:06

Cesar Salad - 20 HKD

Garlic Bread - 10 HKD

Mushroom Soup - 40 HKD

Sausage - 10 HKD

Chicken Fingers - 15 HKD

Cheese Pizza - 50 HKD

Spaghetti - 35 HKD

Total amount: 180 HKD

Proceeding to payment....

Checking if payment was successful....

Payment Success

Adding booking to list

Your booking ID is 001

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

UT

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

12

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number separated by a space!:

8 9 11 15

11:00-22:30

Comments

Clock object used inside the iterator class wasn’t being cloned before getting ticked, causing a double tick. Cloned the object.

# **Bug Sample #2**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 444

**Component:** createReservation.java

**Version:** 1.1

**Severity:** trivial

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** Dish after the selected one getting selected

**Description:**

For eg. Choosing the first dish would select the second one. Choosing second one would select the third one. Choosing the 15th one will cause exception.

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter “15”

Expected results:

- all available intervals should be printed

Actual results:

- Array out of bounds exception

Detailed console output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

5

Enter number of people dining in:

9

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

15

Exception in thread "main" java.lang.IndexOutOfBoundsException: Index 14 out of bounds for length 14

at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)

at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)

at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)

at java.base/java.util.Objects.checkIndex(Objects.java:359)

at java.base/java.util.ArrayList.get(ArrayList.java:427)

at userInput.CreateReservation.selectDishes(CreateReservation.java:70)

at userInput.CreateReservation.addReservation(CreateReservation.java:32)

at userInput.FlowController.main(FlowController.java:37)

Comments:

The input value needed 1 to be subtracted from it to make the value be between 0, 14

# **Bug Sample #3**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 345

**Component:** BranchTimeManager.java

**Version:** 1.0

**Severity:** major

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** Intervals are starting 1 tick late and ending 1 tick early

**Description:**

The system seems to miss the starting interval and the ending

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces

Expected results:

- 11:00 - 22:45

Actual results:

- 11:15 - 22:30

Detailed console output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

25

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

1 2 3 4 5 6 7

* 11:15 - 22:30

More Information

Comment 1

Temporary fix has been issued, Manually added the time into intervals

Comment 2

In search for root cause, it was found during comparison, garbage intervals were being looked up. Causing unexpected behaviour. Large intervals is being checked separately towards the end.

Comment 3

Root cause was found in the iterator inside the clock class. Iterator was performing a tick before returning the time.

# **Bug Sample #4**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 212

**Component:** BranchTimeManager.java

**Version:** 1.2

**Severity:** normal

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary: The user was able to book a slot that extended beyond closing time**

**Description:**

System would figure out if the restaurant was crowded, but initially when there is no booking all intervals are available, Assuming the restaurant runs from 11 AM to 11 PM, then booking times from 11 AM to 10:45 PM are available. For eg. If a party of 5 has an eating time of 1 hr and they book a reservation at 10:45, they’ll occupy the restaurant till 11:45 which is 45 minutes beyond closing time. We need to reduce end times to make sure restaurant can close till 11.

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter “1 2 3 4 5 6 7” when prompted for reservations
6. Enter “22:00”

Expected results:

- 11:00-21:53

Actual results:

- 11:00-22:45

Detailed console output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

25

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

1 2 3 4 5 6 7

11:00-22:45

Select any time from these intervals

22:45

Booking is for Avi

Booking is for 25 guests

**Your booking time is: 22:45 - 23:52**

Cesar Salad - 20 HKD

Garlic Bread - 10 HKD

Mushroom Soup - 40 HKD

Sausage - 10 HKD

Chicken Fingers - 15 HKD

Cheese Pizza - 50 HKD

Spaghetti - 35 HKD

Total amount: 180 HKD

Proceeding to payment....

Checking if payment was successful....

Payment Success

Adding booking to list

Your booking ID is 001

Comments:

Fix was added by checking if making a reservation at last available interval’s (from a list of sorted intervals according to time) finishing time would make the restaurant open for a longer time. If they do make the restaurant open for a longer period of time, reduce the end time to accommodate the extension.

# **Bug Sample #5**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 74

**Component:** BranchTimeManager.java

**Version:** 1.2

**Severity:** normal

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** User was able to book a slot that extended into someone else’s booking time

**Description:**

System would figure out if the restaurant was crowded. Assuming the restaurant runs from 11 AM to 11 PM, then let’s say there is a booking for 45 people from 2 PM in a branch of restaurant with 50 as the max capacity. System will not let you make a booking after 1:59 PM. Although if the user made a booking at 1:59 PM then according to their eating time, they would still be there after 2 PM. Causing a max occupancy problem.

Reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces
6. Enter “21:00”
7. Enter "1" to create new reservation
8. Enter "UT" to enter name
9. Enter any number between 1 to choose a location
10. Enter a number between 1-50 to choose number of people
11. Enter numbers between 1-15 separated by spaces

Expected results:

11:00-20:35

22:04-22:34

Actual results:

11:00-20:59

22:04-22:34s

Detailed console output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

40

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number separated by a space!:

1 2 3 4 5 6 7

11:00-21:53

Select any time from these intervals

21:00

Booking is for Avi

Booking is for 40 guests

Your booking time is: 21:00 - 22:06

Cesar Salad - 20 HKD

Garlic Bread - 10 HKD

Mushroom Soup - 40 HKD

Sausage - 10 HKD

Chicken Fingers - 15 HKD

Cheese Pizza - 50 HKD

Spaghetti - 35 HKD

Total amount: 180 HKD

Proceeding to payment....

Checking if payment was successful....

Payment Success

Adding booking to list

Your booking ID is 001

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

UT

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

12

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number separated by a space!:

8 9 11 15

11:00-20:59

22:04-22:34

Select any time from these intervals

20:59

Booking is for UT

Booking is for 12 guests

**Your booking time is: 20:59 - 21:24**

Doria - 27 HKD

Baked Chicken - 25 HKD

Chocolate Ice Cream - 30 HKD

Tiramisu - 18 HKD

Total amount: 100 HKD

Proceeding to payment....

Checking if payment was successful....

Payment Success

Adding booking to list

Your booking ID is 002

Comments:

How intervals were being calculated, was revamped and this fix also accommodated the bug regarding booking times going beyond closing time.

# **Bug Sample #6**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 289

**Component:** Reader.java

**Version:** 1.2

**Severity:** minor

**Status:** Fixed

**Hardware:** PC

**OS:** Windows 10

**Summary:** Wrong error being thrown for incorrectly formatted files

**Description:**

The system was throwing file error when the file was incorrectly formatted. For eg, in our stored locations file, the expected format, “location name, capacity” but let’s say a ‘,’ is missing that would cause the system to throw file error, when it should throw reading error.

reproducible steps

1. Run the System

Expected Result:

Reading Error

Actual Resut:

File Error

Detailed Console Output

File Error for Location/File error for menu

Comments:

The error catching was made more precise to find file errors and other general errors were left to be handled as reading errors.

# **Bug Sample #7**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 189

**Component:** createReservation.java

**Version:** 1.1

**Severity:** minor

**Status:** Fixed

**Hardware:** PC

**OS:** Windows 10

**Summary:** Input was stuck in infinite loop for reading food options

**Description:**

It was reading a dummy line as the food input instead of food input line. Which made the system perceive that the food input was blank.

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces

Expected Output:

System works fine and prints intervals for the user to check from

Actual Output:

No output, blank console

Detailed Console Output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

Avi

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

25

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number separated by a space!:

1 2 3 4 5 6 7

Comments:

Changing the order of lines that were being read. Reading Input before the dummy line.

# **Bug Sample #8**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 23

**Component:** Bill.java

**Version:** 1.1

**Severity:** minor

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** Incorrect string formatting while looking for number

**Description:**

An integer was being passed to a formatted string, instead of a float.

Reproducible steps:

1. Enter "1" to create new reservation
2. Enter "Kush" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number 10 to choose number of people
5. Enter numbers between 1 2 3 4 separated by spaces
6. Choose 11:00 as time slot

Expected Output:

System should work fine, print intervals for the user to choose from

Actual Output:

Type error was thrown

Detailed Console Output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

3) Check booking

4) Cancel Booking

Type Exit to end program

1

Enter your name:

Kush

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

10

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

1 2 3 4

11:00-23:00

Select any time from these intervals

11:00

Booking is for Kush

Booking is for 10 guests

Exception in thread "main" Your booking time is: 11:00 - 11:21

Cesar Salad - java.util.IllegalFormatConversionException: f != java.lang.Integer

at java.base/java.util.Formatter$FormatSpecifier.failConversion(Formatter.java:4426)

at java.base/java.util.Formatter$FormatSpecifier.printFloat(Formatter.java:2951)

at java.base/java.util.Formatter$FormatSpecifier.print(Formatter.java:2898)

at java.base/java.util.Formatter.format(Formatter.java:2673)

at java.base/java.io.PrintStream.format(PrintStream.java:1209)

at java.base/java.io.PrintStream.printf(PrintStream.java:1105)

at payment.Bill.showBill(Bill.java:38)

at userInput.CreateReservation.createPayment(CreateReservation.java:154)

at userInput.CreateReservation.addReservation(CreateReservation.java:45)

at userInput.FlowController.flowController(FlowController.java:39)

at userInput.FlowController.main(FlowController.java:19)

Comments:

Changed formatted string to float from integer.

# **Bug Sample #9**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 166

**Component:** ExInvalidClockrange.java

**Version:** 1.0

**Severity:** minor

**Status:** Fixed

**Hardware:** PC

**OS:** Windows 10

**Summary:** ExInvalidClockrange would show mins < 10 with a single 0 instead of 0x

**Description:**

If a clock, for eg. Is being created with time 25:00, the error message should say can’t create clock with time 25:00 but instead exception says can’t create clock with 25:0.

Reproducible Steps:

1. Enter "1" to create new reservation
2. Enter "Kush" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number 10 to choose number of people
5. Enter numbers between 1 2 3 4 separated by spaces
6. Choose 25:00 as time slot

Expected Output:

can’t create clock with time 25:00

Actual Output:

can’t create clock with 25:0

Detailed Console Output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

Kush

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

1

Enter number of people dining in:

10

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

1 2 3 4

11:00-22:38

Select any time from these intervals

25:00

**Error!: Time of 25:0 is not in range!**

11:00-22:38

Comments:

Converted times to string and added padding.

# **Bug Sample #10**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 290

**Component:** location.java

**Version:** 1.0

**Severity:** major

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** Getting free seats instead of occupied seats when calculating current capacity

**Description:**

Location class’s function calculate current capacity returns number of available seats instead of number of occupied seats.

Reproducible Steps:

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces

Expected Output:

Intervals that the user can choose from

Actual Output:

No periods are available.

Detailed Consoled Output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

UT

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

4

Enter number of people dining in:

4

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

3 4 7 9

No periods are available

Comments:

The return value was inverted to give occupied seats

# **Bug Sample #11**

**Product Name:** “Hot Meal” - A Reservation Manager

**Bug ID:** 355

**Component:** BranchTimeManager.java

**Version:** 1.0

**Severity:** major

**Status:** Fixed

**Hardware:** PC

**OS:** MAC OS 11

**Summary:** User can book after restaurant closes as well.

**Description:**

For eg. A Restaurant opens from 11 AM to 11 PM. User can make a booking for after 11PM and the system accepts it.

reproducible steps

1. Enter "1" to create new reservation
2. Enter "Avi" to enter name
3. Enter any number between 1 to choose a location
4. Enter a number between 1-50 to choose number of people
5. Enter numbers between 1-15 separated by spaces
6. Enter “23:30”

Expected Result:

An error explaining that the booked time is out of restaurant opening time

Actual Result:

Detailed Output:

WELCOME TO ZAIZAERIYA RESERVATION AND MENU SYSTEM

Please enter the number of the option you wish to choose

1) Create a new Reservation

2) Tick the system clock

Type Exit to end program

1

Enter your name:

Pratul

1. MongKok

2. Sham Shui Po

3. Kowloon Tong

4. Kowloon Bay

5. Central

Enter the location number:

5

Enter number of people dining in:

2

1. Appetizer: Cesar Salad 20HKD

2. Appetizer: Garlic Bread 10HKD

3. Appetizer: Mushroom Soup 40HKD

4. Appetizer: Sausage 10HKD

5. Appetizer: Chicken Fingers 15HKD

6. Main Course: Cheese Pizza 50HKD

7. Main Course: Spaghetti 35HKD

8. Main Course: Doria 27HKD

9. Main Course: Baked Chicken 25HKD

10. Main Course: Risotto 29HKD

11. Dessert: Chocolate Ice Cream 30HKD

12. Dessert: Vanilla Ice Cream 30HKD

13. Dessert: Ice Cream Cake 100HKD

14. Dessert: Pudding 20HKD

15. Dessert: Tiramisu 18HKD

Select dishes by entering the number seperated by a space!:

12

11:00-22:45

Select any time from these intervals

23:10

Booking is for Pratul

Booking is for 2 guests

**Your booking time is: 23:10 - 23:15**

Vanilla Ice Cream - 30 HKD

Total amount: 30 HKD

Proceeding to payment....

Checking if payment was sucessful....

Payment Sucess

Adding booking to list

Your booking ID is 001