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The College of Richard Collyer Centre: 65131

Contents

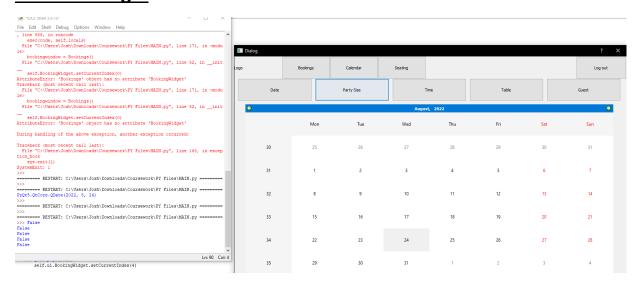
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Developmental Testing

7865

You need to demonstrate your problem solving, what errors have you encountered and how did you solve them. Each error should have a print screen of the problem and one of the solution with some commentary.

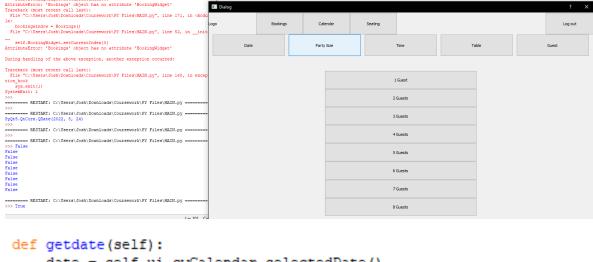
Error Message:



Code:

```
class Bookings(QDialog):
     def __init__ (self):
    super(QDialog, self).__init__()
    self.ui = Ui_Booking()
            self.ui.setupUi(self)
            self.datepage()
global dateselected; dateselected = False
            self.ui.pbDate.clicked.connect(self.datepage)
           self.ui.pbSize.clicked.connect(self.sizepage)
self.ui.pbTime.clicked.connect(self.timepage)
self.ui.pbTable.clicked.connect(self.tablepage)
            self.ui.pbGuest.clicked.connect(self.guestpage)
            self.ui.cwCalendar.clicked.connect(self.getdate)
      def getdate(self):
           date = self.ui.cwCalendar.selectedDate()
date = date.toPyDate()
            dateselected = True
     def datepage(self):
     self.ui.BookingWidget.setCurrentIndex(0)
def sizepage(self):
    print(dateselected)
           if dateselected == True:
    self.ui.BookingWidget.setCurrentIndex(1)
           else:
     pass
def timepage(self):
    self.ui.BookingWidget.setCurrentIndex(2)
      def tablepage(self):
     self.ui.BookingWidget.setCurrentIndex(3)
def guestpage(self):
    self.ui.BookingWidget.setCurrentIndex(4)
```

Solution:



```
def getdate(self):
    date = self.ui.cwCalendar.selectedDate()
    date = date.toPyDate()
    global dateselected
    dateselected = True
```

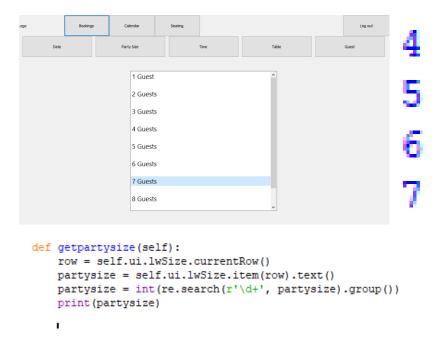
Commentary:

As the variable 'dateselected' could not be accessed/altered from other classes, the system was not able to set it to true. In order to fix this, I set it as a global variable making it accessible throughout the program.

Code:

```
def getpartysize(self):
    partysize = self.ui.lwSize.currentItem.text()
    partysize = re.findall(r'\d+', self.ui.lwSize.currentItem.text())
    print(partysize)
```

Solution:



Commentary:

As you cannot use the currentitem.text on a list widget, I had to obtain the index of the selected item. Then I had to get the text of the item with the index obtained. Then I got the numerical value of the text, which is the number of guests.

```
<class 'TypeError'> minimumDate(self): too many arguments <traceback object at 0</pre>
x00000232B42A7A40>
Traceback (most recent call last):
    File "C:\Users\Josh\AppData\Local\Programs\Python\Python39\lib\idlelib\run.py"
, line 566, in runcode
    exec(code, self.locals)
 File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 399, in <modu
    dateselectionwindow = DateSelection()
 File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 60, in __init
    self.ui.cwCalendar.minimumDate(date.today())
TypeError: minimumDate(self): too many arguments
Traceback (most recent call last):
  File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 399, in <modu
    dateselectionwindow = DateSelection()
 File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 60, in __init
   self.ui.cwCalendar.minimumDate(date.today())
TypeError: minimumDate(self): too many arguments
During handling of the above exception, another exception occurred:
Traceback (most recent call last):
  File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 392, in excep
tion_hook
    -
sys.exit(1)
SystemExit: 1
```

Code:

```
class DateSelection(QDialog):
    def __init__ (self):
        super(QDialog, self).__init__()
        self.ui = Ui_Date()
        self.ui.setupUi(self)
        self.ui.cwCalendar.clicked.connect(self.getdate)
        self.ui.cwCalendar.clicked.connect(self.enablesizebutton)
        self.ui.cwCalendar.minimumDate(date.today())
```

Solution:

```
init
             (self):
    super(QDialog, self).__init__()
    self.ui = Ui_Date()
    self.ui.setupUi(self)
    self.ui.cwCalendar.clicked.connect(self.getdate)
    self.ui.cwCalendar.clicked.connect(self.enablesizebutton)
    self.setminimumdate()
def setminimumdate(self):
    today = date.today()
    self.ui.cwCalendar.setMinimumDate(today)
    self.ui.cwCalendar.setSelectedDate(today)
def enablesizebutton(self):
    exec("bookingwindow.ui.pbSize.setEnabled(True)")
    date = self.ui.cwCalendar.selectedDate()
date = date.toPyDate()
    return date
```

Commentary:

......

As using date.today() as an argument causes the minimumDate feature to output an error saying there are too many arguments, I created a separate function which will store the value of the current date in a variable. Then, the system will execute the minimumDate features, etc. using the variable instead of the function.

```
<class 'NameError'> name 'Ui_ManagementScreen' is not defined <traceback object</pre>
at 0x000001B00F11C5C0>
Traceback (most recent call last):
   File "C:\Users\Josh\AppData\Local\Programs\Python\Python39\lib\idlelib\run.py"
, line 566, in runcode
     exec(code, self.locals)
\label{line:c:ws} File "C:\Users\Josh\Downloads\OneDrive\_2022-10-03\Coursework (1)121\PY Files\MAIN.py", line 545, in <module>
   managementwindow = ManagementScreen()
File "C:\Users\Josh\Downloads\OneDrive 2022-10-03\Coursework (1)121\PY Files\M
AIN.py", line 75, in __init__ self.ui = Ui_ManagementScreen()
NameError: name 'Ui_ManagementScreen' is not defined
Traceback (most recent call last):
   File "C:\Users\Josh\Downloads\OneDrive_2022-10-03\Coursework (1)121\PY Files\M
AIN.py", line 545, in <module>
managementwindow = ManagementScreen()
   File "C:\Users\Josh\Downloads\OneDrive_2022-10-03\Coursework (1)121\PY Files\M
AIN.py", line 75, in __init__
self.ui = Ui_ManagementScreen()
NameError: name 'Ui_ManagementScreen' is not defined
During handling of the above exception, another exception occurred:
Traceback (most recent call last):
   File "C:\Users\Josh\Downloads\OneDrive_2022-10-03\Coursework (1)121\PY Files\M
AIN.py", line 536, in exception_hook
     sys.exit(1)
SystemExit: 1
```

Code:

```
class ManagementScreen(QDialog):
    def __init__ (self):
        super(QDialog, self).__init__()
        self.ui = Ui_ManagementScreen()
        self.ui.setupUi(self)
        self.ui.pbEditMenu.clicked.connect(self.editmenu_clicked)

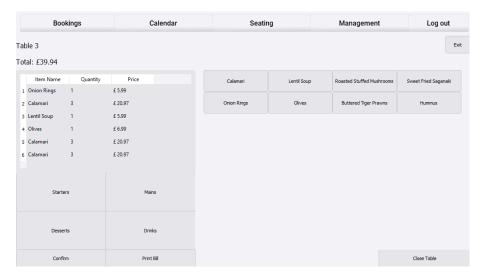
    def editmenu_clicked(self):
        Mainwindow.ui.DisplayWidget.setCurrentIndex(5)
```

Solution:

```
class ManagementScreen(QDialog):
    def __init__ (self):
        super(QDialog, self).__init__()
        self.ui = Ui_Management()
        self.ui.setupUi(self)
```

Commentary:

This error was caused during the initialisation as the UI was incorrectly stated. This caused the system to not be able to find the correct UI. This was fixed by correctly stating the UI.



Code:

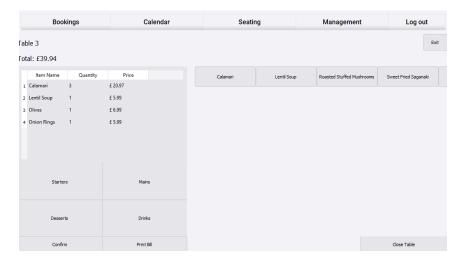
```
def getordereditems(self):
    cnxn = pyodbc.connect(cs)
    cursor = cnxn.cursor()
    query = f"SELECT MenuItems.ItemName, MenuItems.Price FROM MenuItems INNER JOIN TableOrder ON MenuItems.Orde
    cursor.execute(query)
    items = cursor.fetchall()
    cnxn.close()
    return items
```

Solution:

```
def getordereditems(self):
    cnxn = pyodbc.connect(cs)
    cursor = cnxn.cursor()
    query = f"SELECT DISTINCT MenuItems.ItemName, MenuItems.Price FROM MenuItems INNER JOIN Tab
    cursor.execute(query)
    items = cursor.fetchall()
    cnxn.close()
    return items
```

Commentary:

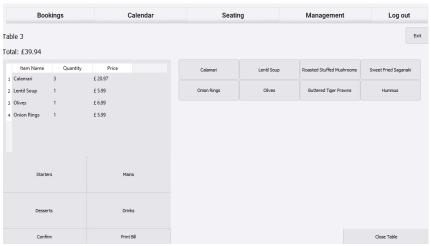
This logical error outputs duplicates of items that were repeatedly ordered for a table while also increasing the quantity field. However, I fixed this issue by using the 'distinct' feature on SQL which allows users to select unique fields. This caused my program to remove the duplicates while only increasing the quantity.



Code:

```
def printitembuttons(self, category, window):
    try:
        self.hideitembuttons(category, window)
    except:
        pass
numofitems = orderwindow.numofitemsincategory(category)
menuitems = orderwindow.getmenuitems(category)
xcoordinate = 20
for i in range (l, numofitems+l):
        exec("{1}.pushButton{0} = QtWidgets.QPushButton{{1}}".format(i,window))
        exec("{1}.pushButton{0}.setGeometry(QtCore.QRect({1}, 0, 151, 51))".format(i,xcoordinate,window))
        exec("{1}.pushButton{0}.setEnabled(True)".format(i,window))
        exec("{1}.pushButton{0}.setEnabled(True)".format(i,window))
        exec("{1}.pushButton{0}.setTatt'{1}')".format(i,menuitems[i-1][0],window))
        exec("{1}.pushButton{0}.setConsEct(aperical (aperical (ap
```

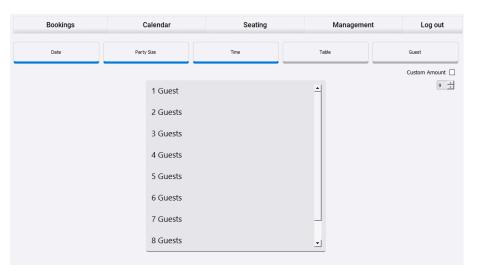
Solution:



Commentary:

As a row only has only space for 4 buttons, I used to modulus function to determine the staring position and divided I (counter in loop) by 4 to gain the y coordinate.

Error Message:



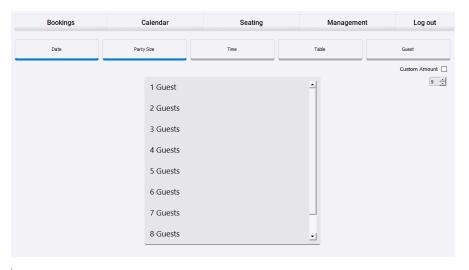
Code:

```
class PartySizeSelection(QDialog):
    def __init__ (self):
        super(QDialog, self).__init__()
        self.ui = Ui_PartySize()
        self.ui.setupUi(self)
        self.ui.lwSize.itemClicked.connect(self.enabletimebutton)
        self.ui.cbCustom.stateChanged.connect(self.checkstate)

    def enabletimebutton(self):
        tableselectionwindow.cleartables()
        exec("bookingwindow.ui.pbTime.setEnabled(True)")

    def checkstate(self):
        if self.ui.cbCustom.isChecked():
            self.enabletimebutton()
```

Solution:



Commentary:

The problem arose as once I selected the custom guest amount and deselected it, it allowed the user to proceed to the time selection without selecting a guest amount in the list widget. In order to fix this, I made a function that would run every time the checkbox is clicked. When the checkbox is clicked, it will determine whether it is selected or deselected. If it is deselected and the user has not selected a guest amount in the list widget, the time button will be disabled.

```
>>> 2022-08-09 4 13:00 2 2 khjk hjkhjk hjkhjk 1.0 1.0

<class 'pyodbc.ProgrammingError'> ('42S22', "[42S22] [Microsoft][ODBC SQL Server Driver][SQL Server]Invalid column name

QL Server Driver][SQL Server]Invalid column name 'hjkhjk'. (207)") <traceback object at 0x0000019514793500>

Traceback (most recent call last):

File "C:\Users\Josh\Downloads\Coursework\PY Files\MAIN.py", line 91, in createbooking

cursor.execute(customerquery)

pyodbc.ProgrammingError: ('42S22', "[42S22] [Microsoft][ODBC SQL Server Driver][SQL Server]Invalid column name 'khjk'. (Driver][SQL Server]Invalid column name 'hjkhjk'. (207)")
```

Code:

```
def createbooking(self):

date = dateselectionwindow.getdate()
partysine = partysinevindow.getpartysine()
bookingtime = timeselectionwindow.getpartysine()
bookingtime = timeselectionwindow.getpartysine()
customerid = self.getreservationid()
firstname = self.getreservationid()
firstname = self.getreservationid()
firstname = self.ui.lelEmait.etx()()
lastname = self.ui.lelEmait.etx()()
accountid = logingage.accountid
tables = tableselectionwindow.selectedables

customerquery = "INSERT INTO Customer (Customer.CustomerID, Customer.FirstName, Customer.EmailAddress) VALUES ((0), (1), (2), (3)); ".format(customerid,firstname,lastname,email)
```

Solution:

```
VALUES ({0},'{1}','{2}','{3}');".format(customerid,firstname,lastname,email)
```

Commentary:

As the data being entered into the database was of string/varchar format, SQL could not interpret this as there was no identification that the values were string. This caused the error to occur. In order to fix this error, I put apostrophes which open and close the string values that are going to inputted.

Testing

Use the testing table to fully test your system. You MUST include a wide range of tests, this includes valid, invalid, extreme and erroneous data. Every test that fails must have some commentary explaining how you will fix it.

Login Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|---|-----------|--------------------------|--|---|------------|------------|
| Function of keypad buttons | Valid | 1433 | 1433 will be registered as an input | 1433 was registered as an input | Login | 0:00 |
| Function of clear button on keypad | Valid | 'Clear' Push Button | The input entered by the user will clear | The input entered by the user was cleared | Login | 0:05 |
| Function of Confirm Button | Valid | 'Confirm' Push Button | The system will either give or deny access to the system | If the system denies access, an error message will appear. But if given access, the user can proceed. | Login | 0:04 |
| Input correct passcode (registered passcode) | Valid | 123 | The system will give access and the main page will appear, while closing the login page. | The main page appeared, while closing the login page. | Login | 0:35 |
| Input incorrect passcode (unregistered passcode) | Invalid | 1433 | The system will output error message 'Incorrect Passcode Entered' | An error message saying 'Incorrect Passcode Entered' appeared | Login | 0:00 |
| Input passcode exceeding maximum length (6 digits) | Invalid | 1234567 | The system will output error message 'Please enter a valid passcode' | An error message saying 'Please enter a valid passcode' appeared | Login | 0:14 |

| Input passcode left blank | Invalid | () | The system will output error message 'Please enter a valid passcode' | The system will output error message 'Please enter a valid passcode' | Login | 0:22 |
|---|---------|--------|---|---|-------|------|
| Input passcode with length 6 digits | Extreme | 123456 | The system will either give or deny access to the system depending on if passcode is registered | If the system denies access, an error message will appear. But if given access, the user can proceed. | Login | 0:28 |
| Input passcode with length 3 digits | Extreme | 123 | The system will either give or deny access to the system depending on if passcode is registered | If the system denies access, an error message will appear. But if given access, the user can proceed. | Login | 0:35 |

Main Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|-----------------|------------------------|----------------------|-------------|------------|
| Function of | Valid | 'Bookings' Push | The window will | The window has | Main Window | 0:04 |
| Taskbar buttons | | Button | switch to the Booking | switched its screen | | |
| | | | main page | to the Booking Main | | |
| | | | | Page | | |
| | Valid | 'Calendar' Push | The window will | The window has | Main Window | 0:00 |
| | | Button | switch to the Calendar | switched its screen | | |
| | | | page | to the Calendar page | | |
| | | | | where staff can view | | |
| | | | | bookings | | |
| | Valid | 'Seating' Push | The window will | The window has | Main Window | 0:01 |
| | | Button | switch to the | switched its screen | | |
| | | | Customer Seating | to the Seating page | | |
| | | | Page | where staff can | | |

| | | | | make orders for | | |
|---|---------|-------------------------------------|---|--|-------------|------|
| | | | | customers | | |
| | Valid | 'Management' Push Button | The window will switch to the Management Page | The window has switched to the management page where managers can make alterations to the system | Main Window | 0:02 |
| | Valid | 'Log Out' Push Button | The Main window should close and open the Log in Window | The Main window closed, and the Log in Window has opened | Main Window | 0:05 |
| Different Access Levels on Management Button | Valid | User has logged in as a manager | The 'Management' Push Button should be enabled and able to press | The 'Management' Push Button is enabled and able to use | Main Window | 0:02 |
| | Invalid | User has not logged in as a manager | The 'Management' Push Button should be disabled and not able to press | The 'Management' Push Button is disabled, and the user cannot press it | Main Window | 0:06 |

Bookings Page/Subpages

Date Selection

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--------------------|-----------|----------------------|------------------------|------------------|----------------|------------|
| Function to select | Valid | User clicks the date | The calendar will | The calendar has | Date Selection | 0:00 |
| date | | '11/03/2023' on | highlight the selected | highlighted the | | |
| | | the calendar | date and register that | selected date | | |
| | | | as the user's input | '11/02/2023' and | | |

| | | | registered that as the user's input | | |
|---------|--|--|---|----------------|------|
| Valid | User clicks the date '11/03/2023' on the calendar | The 'Party Size' Push Button in the taskbar should be enabled | As '11/02/2023' is a valid input, the 'Party Size' Push Button is now enabled which allows the user to proceed to select the party size | Date Selection | 0:00 |
| Invalid | User clicks a date in the past on the calendar | The calendar will not allow a date in the past to be selected | The calendar did not allow the date in the past to be selected, therefore not registering it as an input | Date Selection | 0:06 |
| Valid | User tries to press the button on the Calendar to forward one month | The calendar will move forward one month | The calendar moved forward one month | Date Selection | 0:10 |
| Invalid | User tries to select a date one year in advance on the calendar | The calendar will not allow the date one year in the future to be selected | The calendar will not allow the user to select a date one year in advance, therefore not registering it as an input | Date Selection | 0:12 |
| Extreme | User selects date that it one day before exceeding one year in advance on the calendar | The calendar will allow the date to be selected | The calendar selected the date and registered it as an input | Date Selection | 0:17 |

Party Size Selection

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--|-----------|--|---|---|-------------------------|------------|
| Function to select Party Size | Valid | User selects the party size by selecting it in the List Widget | The List Widget will highlight the selected party size | The List Widget highlighted party size, therefore registering it as an input | Party Size Selection | 0:19 |
| | Valid | User selects the party size by selecting it in the List Widget | The 'Time' Push Button in the taskbar should be enabled | The 'Time' Push Button is now enabled, as the input is valid, which allows the user to proceed to select the Time for the reservation | Party Size Selection | 0:19 |
| Function of 'Custom Amount' Checkbox when selecting Party Size | Valid | User clicks the 'Custom Amount' Checkbox | The checkbox will either deselect or select | The checkbox has either deselected or selected, depending on the previous state | Party Size Selection | 0:00 |
| | Valid | User clicks the 'Custom Amount' Checkbox | The 'Time' Push Button in the taskbar should be enabled | The 'Time' Push Button is now enabled which allows the user to proceed to select the Time for the reservation | Party Size Selection | 0:00 |
| | Invalid | User selects then deselects the checkbox without selecting a party | The 'Time' Push Button in the taskbar will be disabled | The 'Time' Push Button is disabled as no input has been registered | Party Size Selection | 0:02 |

| | | size in the List Widget | | | | |
|--|---------|---|--|---|-------------------------|------|
| Function of 'Custom Amount' Spin Box | Invalid | User tries to select a value less than 9 on the Spin Box | The Spin Box will not allow the value to go below 9 | The Spin Box did not allow the value to go below 9, as the List widget is used to select values 1 to 8 | Party Size Selection | 0:13 |
| | Invalid | User tries to select a value more than 20 on the Spin Box | The Spin Box will not allow the value to go above 20 | The Spin Box did not allow the value to go above 20, as the maximum party size is 20 guests | Party Size Selection | 0:05 |
| | Extreme | User tries to select value 20 | The system will register this as a valid input and enable 'Time' Push Button | As the input is valid (on the limit), the system will accept this input and enable the 'Time' Push Button | Party Size Selection | 0:10 |
| | Extreme | User tries to select value 9 | The system will register this as a valid input and enable 'Time' Push Button | As the input is valid (on the limit), the system will accept this input and enable the 'Time' Push Button | Party Size Selection | 0:16 |

Time Selection

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--------------------|-----------|----------------------|------------------------|-------------------|----------------|------------|
| Function to select | Valid | User selects the | The List Widget will | The List Widget | Time Selection | 0:00 |
| Reservation Time | | time by selecting it | highlight the selected | highlighted | | |
| | | in the List Widget | Reservation Time | Reservation Time, | | |

| | | | therefore registering it as the user's input | | |
|-------|--|--|---|----------------|------|
| Valid | User selects the time by selecting it in the List Widget | The 'Table' Push Button in the taskbar should be enabled | The 'Table' Push Button is now enabled, which allows the user to proceed to select the Table(s) for the reservation | Time Selection | 0:00 |

Table Selection

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--------------------|-----------|----------------------|----------------------------|-----------------------|------------|------------|
| Function to assign | Valid | 'Table' Push Button | Each group of tables | Each group of tables | Table | 0:00 |
| correct table | | is selected in the | (2, 4, 5, 8 seats) will be | were assigned | Selection | |
| images | | taskbar | assigned a unique, | images depending | | |
| | | | identifiable image | on their capacity | | |
| Function to | Valid | 'Table' Push Button | All tables within 2 | All tables within 2 | Table | 0:00 |
| Disable | | is selected in the | hours of the selected | hours of the selected | Selection | |
| Unavailable | | taskbar | time will be disabled | time are disabled to | | |
| tables | | | | avoid double | | |
| | | | | bookings, etc. | | |
| | Invalid | User tries to select | The system will not | As the button is | Table | 0:07 |
| | | a table that is | register this input | disabled, the system | Selection | |
| | | disabled | | did not recognise | | |
| | | | | this input, and | | |
| | | | | therefore did not | | |
| | | | | register this input | | |

| Function to select | Valid | User selects a table | The system will | The system stored | Table | 0:00 |
|--------------------|---------|----------------------|-------------------------|----------------------|-----------|------|
| tables | | that corresponds to | recognise this as the | the TableID of the | Selection | |
| | | the party size that | selected table(s) | selected table | | |
| | | they have | | | | |
| | | previously selected | | | | |
| | Valid | User selects a table | The image of the | The image of the | Table | 0:00 |
| | | that corresponds to | selected table will | selected table | Selection | |
| | | the party size that | change to a darkened | darkened to | | |
| | | they have | version of the image | highlight that as | | |
| | | previously selected | to highlight the | selected | | |
| | | | selected table(s) | | | |
| | Valid | User selects a table | The 'Guest' Push | The 'Guest' Push | Table | 0:00 |
| | | that corresponds to | Button in the taskbar | Button is now | Selection | |
| | | the party size that | should be enabled | enabled, which | | |
| | | they have | | means the user can | | |
| | | previously selected | | now input the | | |
| | | | | Customers Details | | |
| | Invalid | User tries to select | The table will not be | The input was not | Table | 0:12 |
| | | a table with less | selected, and the | registered | Selection | |
| | | capacity than the | system will disregard | | | |
| | | party size (selected | this input | | | |
| | | party size is <6) | | | | |
| | | that was previously | | | | |
| | | selected | | | | |
| | Valid | User tries to select | The system will allow | The system stored | Table | 0:30 |
| | | multiple tables | the user to select | the TableIDs of the | Selection | |
| | | with less capacity | multiple tables until | multiple tables that | | |
| | | than the party size | the sum of the | have been selected | | |
| | | (selected party size | capacity of the tables | | | |
| | | is >6) that was | is similar to the party | | | |
| | | previously selected | size of the reservation | | | |

| Invalid | User tries to select a table where its capacity is much higher than the selected party size | The system will not allow the table to be selected | The system will not select the table and will disregard this input | Table Selection | 0:14 |
|---------|---|---|--|--------------------|------|
| Extreme | User tries to select a table where its capacity is higher, but similar to the selected party size (e.g. party size 6 and table capacity 8) | The system will view this input as valid and allow the table to be selected | The system stores the TableID of the table(s) | Table Selection | 0:34 |
| Valid | After selecting a table, user goes back and alters the party size, time or date | The system will deselect all of the tables so that the user has to reselect the wanted tables again | The system deselected all tables to make user reselect the tables | Table Selection | 0:20 |

Guest Details

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|-----------|------------------------|---------------------|---------------|------------|
| Reservation | Valid | | Reservation details | Reservation details | Guest Details | 0:00 |
| Details | | | obtained previously | obtained previously | | |
| | | | will appear | appeared | | |
| First Name | Valid | 'Joshua' | System will allow this | The system has | Guest Details | 2:01 |
| Validation | | | input and proceed | proceeded with | | |
| | | | booking | booking | | |
| | Invalid | '9878' | Output error | Outputted error | Guest Details | 0:10 |
| | | | message 'Please | message 'Please | | |

| | | | enter a valid first name' | enter a valid first name' | | |
|-------------------------|-----------|---|--|--|---------------|------|
| | Erroneous | ' ⊙ ● ♥' | Output error message 'No Special Characters allowed' | Outputted error message 'No Special Characters allowed' | Guest Details | 0:24 |
| | Invalid | 11 | Output Error message 'Please enter the First Name' | Outputted Error message 'Please enter the First Name' | Guest Details | 0:34 |
| | Invalid | 'jihdfjkhsdjkfhsd asdf' (over 64 characters) | Output Error Message 'First Name exceeded maximum character length' | Outputted Error Message 'First Name exceeded maximum character length' | Guest Details | 0:54 |
| | | 'dfasdasda dasd' (64 characters) | System will allow this input and proceed booking | The system has proceeded with booking | Guest Details | 1:12 |
| | Extreme | "Ka'May" | System will allow this input and proceed booking | The system has proceeded with booking | Guest Details | 1:29 |
| Last Name Validation | Valid | 'Heffernan' | System will allow this input and proceed booking | The system has proceeded with booking | Guest Details | 2:01 |
| | Invalid | '9832734' | Output error message 'Please enter a valid last name' | Outputted error message 'Please enter a valid last name' | Guest Details | 0:10 |
| | Erroneous | ' ©@@♥' | Output error message 'No Special Characters allowed' | Outputted error message 'No Special Characters allowed' | Guest Details | 0:24 |

| | Invalid | 11 | Output Error | Outputted Error | Guest Details | 0:34 |
|---------------|---------|---------------------------|------------------------|--------------------|---------------|------|
| | | | message 'Please | message 'Please | | |
| | | | enter the Last Name' | enter the Last | | |
| | | | | Name' | | |
| | Invalid | 'dfasdasda dasd' (over 64 | Output Error | Outputted Error | Guest Details | 0:54 |
| | | characters) | Message 'Last Name | Message 'Last | | |
| | | | exceeded maximum | Name exceeded | | |
| | | | character length' | maximum character | | |
| | | | | length' | | |
| | | 'dfasdasda dasd' (64 | System will allow this | The system has | Guest Details | 1:12 |
| | | characters) | input and proceed | proceeded with | | |
| | | | booking | booking | | |
| | Extreme | "O'Neil" | System will allow this | The system has | Guest Details | 1:29 |
| | | | input and proceed | proceeded with | | |
| | | | booking | booking | | |
| Email Address | Valid | 'joshheff@collyers.ac.uk' | System will allow this | The system has | Guest Details | 2:01 |
| /alidation | | | input and proceed | proceeded with | | |
| | | | booking | booking, storing | | |
| | | | | this as the | | |
| | | | | customer's email | | |
| | Invalid | 'joshheffcollyers.ac.uk' | Output error | Outputted error | Guest Details | 0:10 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| | Invalid | 'joshheff@collyers' | Output error | Outputted error | Guest Details | 0:34 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| | Invalid | '@collyers.ac.uk' | Output error | Outputted error | Guest Details | 0:54 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |

| | Invalid | 'joshheff@.ac.uk' | Output error | Outputted error | Guest Details | 1:12 |
|----------------|-----------|----------------------------|---------------------|--------------------|---------------|------|
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| | Erroneous | ′⊙@@♥′ | Output error | Outputted error | Guest Details | 1:29 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| | Invalid | 11 | Output Error | Outputted Error | Guest Details | 0:38 |
| | | | Message 'Please | Message 'Please | | |
| | | | enter an Email | enter an Email | | |
| | | | Address' | Address' | | |
| | Invalid | 'joshheff@@collyers.ac.uk' | Output error | Outputted error | Guest Details | 1:37 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| | Invalid | 'joshheff@collyersac.uk' | Output error | Outputted error | Guest Details | 1:42 |
| | | | message 'Incorrect | message 'Incorrect | | |
| | | | Email Address | Email Address | | |
| | | | Format Entered' | Format Entered' | | |
| Function to | Valid | 'Joshua' | Booking | Booking | Guest Details | 2:01 |
| Create Booking | | 'Heffernan' | Confirmation Screen | Confirmation | | |
| | | 'joshheff@collyers.ac.uk' | will appear | Screen appeared | | |

Calendar Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--------------------|-----------|---------------------|---------------------------|--------------------------------|---------------|------------|
| Function to Select | Valid | Select date | All reservations, if any, | The reservations for | Calendar Page | 0:00 |
| Date | | '10/12/2022' in the | will be outputted into | December 10 th were | | |
| | | calendar widget | the table beside the | outputted into the | | |
| | | | calendar | table | | |

| Valid | Select date in the past in the calendar widget | All reservations, if any, will be outputted into the table beside the calendar | The reservations for the selected date were outputted into the table | Calendar Page | 0:03 |
|---------|--|--|--|---------------|------|
| Invalid | User tries to select date more than one year into the future | The system will not allow the user to select a date one year into the future | The system did not allow the user to select the date, therefore disregarding the input | Calendar Page | 0:11 |
| Extreme | User tries to select date one day before one year into the future | All reservations, if any, will be outputted into the table beside the calendar | The reservations for the selected date were outputted into the table | Calendar Page | 0:18 |
| Valid | User tries to press the button on the Calendar to forward/backward one month | The calendar will move forward/backward one month | The calendar moved forward/backward one month | Calendar Page | 0:24 |

Seating Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|--------------------|-----------|----------------------|------------------------|----------------------|--------------|------------|
| Function to | Valid | 'Seating' Push | All tables that are | The tables currently | Seating Page | 0:00 |
| Display Active | | Button in taskbar is | currently in use will | in use have colour, | | |
| Tables | | pushed | have colour, while the | while the inactive | | |
| | | | others will be grey. | ones are grey | | |
| Function to Select | Valid | Select any Push | The order screen will | The order screen | Seating Page | 0:04 |
| Table | | Button | appear | appeared, passing | | |

| representing a | the TableID of the | |
|----------------|--------------------|--|
| table | selected table | |

Order Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|-------------------|-----------|-----------------------|-------------------------|------------------------|------------|------------|
| Toggle between | Valid | Press either Push | The screen will display | The screen displayed | Order | 0:00 |
| Menu Categories | | Button 'Starters', | the menu items | the menu items of | Window | |
| | | 'Mains', 'Desserts', | depending on the | the category the | | |
| | | 'Drinks' | category the user has | user has chosen | | |
| | | | chosen | | | |
| Exit Order Screen | Valid | 'Exit' Push Button is | The screen will return | The screen returned | Order | 0:09 |
| | | pressed | to the Seating Page | to the Seating Page | Window | |
| Close Table | Valid | 'Close Table' Push | The screen will return | The screen returned | Order | 0:13 |
| | | Button is pressed | to the Seating Page | to the Seating Page | Window | |
| | | | and set the previously | and previously | | |
| | | | selected table to | selected table is | | |
| | | | 'inactive' | colour grey | | |
| Total Price | Valid | Select any Push | The total amount due | The Amount due for | Order | 0:12 |
| | | Button | for the table is | the table is displayed | Window | |
| | | representing a | displayed in the corner | in the corner | | |
| | | table in the Seating | | | | |
| | | Page | | | | |
| Function to make | Valid | Any Push Button | The selected menu | The selected menu | Order | 0:05 |
| orders | | representing a | item will be added | item is added onto | Window | |
| | | menu item is | onto the table as a | the table as a new | | |
| | | clicked | new row | row | | |
| | Valid | 'Confirm' Push | All new orders will be | All new orders are | Order | 0:07 |
| | | Button is clicked | confirmed, and any | confirmed, and all | Window | |
| | | | duplicates of menu | duplicates of menu | | |
| | | | items will combine | items were | | |

| | | and increment the | combined and while | | |
|-------|--------------------|-------------------------|-----------------------|----------|------|
| | | quantity column | incrementing the | | |
| | | | quantity column | | |
| Valid | User double clicks | A new window will | A new window | Change | 0:00 |
| | any menu item on | appear which will | appeared which | Quantity | |
| | the table widget, | allow the user to enter | allows the user to | Window | |
| | that has been | the quantity of the | enter the quantity of | | |
| | ordered | item | the item | | |

Change Quantity Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|----------------------|--------------------------|-----------------------|-----------------|------------|
| Cancel Change | Valid | 'Cancel' Push | The window will close, | The change quantity | Change Quantity | 0:04 |
| Quantity | | Button is clicked | and the screen will | window closed and | Window | |
| | | | return to the order | returned to the | | |
| | | | screen | order screen | | |
| Function to | Valid | User selects a valid | The system will allow | The system | Change Quantity | 0:11 |
| Change Quantity | | quantity in the spin | the user to use these | registered the input | Window | |
| of Ordered Item | | box between 0 and | values | as valid | | |
| | | 30 inclusive | | | | |
| | Invalid | User tries to select | The Spin Box will not | The Spin Box did not | Change Quantity | 0:24 |
| | | value less than 0 in | allow the user to | allow the user to | Window | |
| | | the spin box | select a value below 0 | select a value below | | |
| | | | | 0 | | |
| | Invalid | User tries to select | The Spin Box will not | The Spin Box will not | Change Quantity | 0:15 |
| | | value greater than | allow the user to | allow the user to | Window | |
| | | 30 in the spin box | select a value above | select a value above | | |
| | | | 30 | 30 | | |
| | Valid | 'Change Quantity' | As the Spin Box only | The system closed | Change Quantity | 0:30 |
| | | Push Button is | allows valid inputs, the | the change quantity | Window | |
| | | clicked | system will close the | page and returned to | | |
| | | | change quantity page | the order screen. A | | |

| | | and return to the | SQL query is run | | |
|---------|----------------------|-----------------------|----------------------|-----------------|------|
| | | order screen. | which updates the | | |
| | | | quantity of the | | |
| | | | ordered item | | |
| Extreme | User tries to select | The system will allow | The system | Change Quantity | 0:26 |
| | value 0 in the spin | the user to use these | registered the input | Window | |
| | box | values | as valid | | |
| Extreme | User tries to select | The system will allow | The system | Change Quantity | 0:18 |
| | value 30 in the spin | the user to use these | registered the input | Window | |
| | box | values | as valid | | |

Management Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|----------------------|-----------------------|---------------------|-----------------|------------|
| Add Item | Valid | Add Item Button is | The screen will show | The Add item Screen | Menu Management | 0:00 |
| | | clicked | the Add Item screen | appeared | Window | |
| Remove Item | Valid | Remove Item | The screen will show | The Remove Item | Menu Management | 0:03 |
| | | Button is clicked | the Remove Item | Screen has showed | Window | |
| | | | screen | | | |
| Alter item | Valid | Alter Item Button is | The screen will show | The Alter Item | Menu Management | 0:07 |
| | | clicked | the Alter Item screen | Screen has showed | Window | |

Add Item Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|----------------|------------------------|---------------------|-----------------|------------|
| Exit Add Item | Valid | Back Button is | Screen will return to | Screen has returned | Menu | 0:01 |
| Screen | | clicked | the management | to the management | Management | |
| | | | screen | screen | Window | |
| Item Name | Valid | 'Olives' | System will allow this | The system has | Add Item Window | 0:46 |
| Validation | | | input and proceed | proceeded with | | |
| | | | adding the menu item | | | |

| | | | | adding the menu | | |
|------------|-----------|-----------------------|-------------------------|------------------------|-----------------|------|
| | | | | item | | |
| | Erroneous | (⊕⊕♥) | Output error message | Outputted error | Add Item Window | 0:03 |
| | | | 'No Special Characters | message 'No Special | | |
| | | | allowed' | Characters allowed' | | |
| | Invalid | 11 | Output Error message | Outputted Error | Add Item Window | 0:09 |
| | | | 'Please enter the Item | message 'Please | | |
| | | | Name' | enter the Item | | |
| | | | | Name' | | |
| | Invalid | 'dsfdsfdsfsdg | Output Error Message | Outputted Error | Add Item Window | 0:16 |
| | | fdsaf' (over 64 | 'Item Name exceeded | Message 'Item Name | | |
| | | characters) | maximum character | exceeded maximum | | |
| | | | length' | character length' | | |
| | Extreme | 'Emilious san' (64 | System will allow this | The system has | Add Item Window | 0:46 |
| | | Characters) | input and proceed | proceeded with | | |
| | | | adding the menu item | adding the menu | | |
| | | | | item | | |
| Category | Valid | User has selected | System will allow this | System will allow this | Add Item Window | 0:09 |
| Validation | | either 'Starter', | input and proceed | input and proceed | | |
| | | 'Main', 'Dessert', or | adding the menu item | adding the menu | | |
| | | 'Drink' in the | | item | | |
| | | Combo Box | | | | |
| | Invalid | The user has left | Output Error message | Outputted Error | Add Item Window | 0:03 |
| | | the Combo Box in | 'Please select the Item | message 'Please | | |
| | | the default | Category' | select the Item | | |
| | | selection | | Category' | | |
| | | ("Category:") | | | | |
| Item Price | Valid | User has inputted a | System will allow this | The system has | Add Item Window | 0:03 |
| Validation | | valid price | input and proceed | proceeded with | | |
| | | | adding the menu item | adding the menu | | |
| | | | | item | | |

| | Invalid | User has tried to | The Spin Box will | The Spin Box | Add Item Window | 0:32 |
|-----------------|---------|---------------------|------------------------|----------------------|-----------------|------|
| | | input a value below | prevent the user from | prevented the user | | |
| | | £0 | selecting a value | from selecting a | | |
| | | | below 0 | value below 0 | | |
| | Invalid | User has tried to | The Spin Box will | The Spin Box | Add Item Window | 0:24 |
| | | input a value above | prevent the user from | prevented the user | | |
| | | £250 | selecting a value | from selecting a | | |
| | | | above 250 | value above 250 | | |
| 1 | Extreme | User has tried to | System will allow this | The system has | Add Item Window | 0:46 |
| | | input value £0 | input and proceed | proceeded with | | |
| | | · | adding the menu item | adding the menu | | |
| | | | | item | | |
| | Extreme | User has tried to | System will allow this | The system has | Add Item Window | 0:28 |
| | | input value £250 | input and proceed | proceeded with | | |
| | | | adding the menu item | adding the menu | | |
| | | | | item | | |
| Function to Add | Valid | Confirm Button is | A confirmation | A confirmation | Add Item Window | 0:46 |
| Menu Item | | clicked | Window will appear | Window appeared | | |
| | | | with all of the item | with all of the item | | |
| | | | details | details | | |
| | Valid | Cancel Button is | The confirmation | The Confirmation | Add Item Window | 0:49 |
| | | clicked on the | screen will close and | screen has closed, | | |
| | | confirmation | return to the add item | and the screen has | | |
| | | screen | screen | returned to the Add | | |
| | | | | item screen | | |
| | Valid | Confirm Button is | The confirmation | The menu item has | Add Item Window | 0:54 |
| | | clicked on the | screen will close and | been added to the | | |
| | | Confirmation | return to the | system. The | | |
| | | Screen | Management Page | confirmation | | |
| | | | | window has closed, | | |
| | | | | and the screen has | | |
| | | | | returned to the | | |
| | | | | Management Page | | |

Remove Item Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|-------------------------------------|-----------|---|--|---|------------------------------|------------|
| Exit Remove Item Screen | Valid | Back Button is clicked | Screen will return to the management screen | Screen has returned to the management screen | Menu Management Window | 0:04 |
| Function to Remove Menu Items | Valid | Menu Item in the table is clicked | The table will highlight the selected menu item | The Menu item is highlighted | Remove Item Window | 0:02 |
| | Invalid | User has pressed Remove without selecting a Menu item in the table | Output Error Message 'Please select an item to remove' | Outputted Error Message 'Please select an item to remove' | Remove Item Window | 0:00 |
| | Valid | User has pressed Remove | Confirmation window will appear asking the user if they want to remove the selected item | The confirmation window has appeared confirms with the user on their decision | Remove Item Window | 0:03 |
| | Valid | Cancel Button is clicked on the Confirmation Screen | The Confirmation window will close, and the Remove Item page will appear | The Confirmation window has closed, and the Remove Item Window has appeared | Remove Item Window | 0:05 |
| | Valid | Remove Item Button is clicked | The Confirmation window will close and return to the | The confirmation window has closed, and the system has | Remove Item Window | 0:10 |

| | Management page. | returned to the | |
|--|---------------------|--------------------|--|
| | The system will | Management | |
| | remove the selected | Screen. The system | |
| | Menu item from the | has removed the | |
| | system. | selected item from | |
| | | the database. | |

Alter Item Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|---|-----------|---|--|--|------------------------------|------------|
| Exit Alter Item Screen | Valid | Back Button is clicked | Screen will return to the management screen | Screen has returned to the management screen | Menu Management Window | 0:08 |
| Function to Alter Menu Item | Valid | Menu Item in the table is double clicked | A window will appear to allow the user to make alterations to the Menu Item | Window appeared which allows the user to make alterations | Alter Item Window | 0:01 |
| Function to pre- fill Menu Item Inputs | Valid | Menu Item in the table is double clicked | In the window that will appear, the system will auto-fill the input fields with the information of the menu item that was double clicked | The input field in the window are auto filled with the menu item that was double clicked | Alter Item Window | 0:02 |
| Function to make alterations to Menu Item (Item Name Validation) | Erroneous | ' ⊙ ⊗ ♥' | Output error message 'No Special Characters allowed' | Outputted error message 'No Special Characters allowed' | Alter Item Window | 0:04 |
| | Invalid | 'dsfdsfdsfsdg fdsaf' (over 64 characters) | Output Error Message 'Item Name exceeded maximum character length' | Outputted Error Message 'Item Name exceeded maximum character length' | Alter Item Window | 0:13 |

| | Invalid | <i>''</i> | Output Error message 'Please enter the Item Name' | Outputted Error message 'Please enter the Item Name' | Alter Item Window | 0:07 |
|--------------------------|---------|---|---|---|----------------------|------|
| | Extreme | 'Georig sagn' (64 Characters) | System will allow this input and proceed altering the menu item | The system has proceeded with altering the menu item | Alter Item Window | 0:43 |
| | Valid | 'Hummus' | System will allow this input and proceed altering the menu item | The system has proceeded with altering the menu item | Alter Item Window | 0:43 |
| Category Validation | Valid | User has selected either 'Starter', 'Main', 'Dessert', or 'Drink' in the Category Combo | System will allow this input and proceed altering the menu item | System will allow this input and proceed altering the menu item | Alter Item Window | 0:43 |
| Item Price Validation | Valid | User has inputted a valid price for the menu item | System will allow this input and proceed altering the menu item | The system has proceeded with altering the menu item | Alter Item Window | 0:07 |
| | Invalid | User has tried to input a value below £0 | The Spin Box will prevent the user from selecting a value below 0 | The Spin Box prevented the user from selecting a value below 0 | Alter Item Window | 0:21 |
| | Extreme | User has tried to input value £0 | System will allow this input and proceed altering the menu item | The system has proceeded with altering the menu item | Alter Item Window | 0:24 |
| | Invalid | User has tried to input a value above £250 | The Spin Box will prevent the user from | The Spin Box prevented the user | Alter Item Window | 0:28 |

| | | | selecting a value | from selecting a | | |
|--------------|---------|--------------------|------------------------|-----------------------|------------|------|
| | | | above 250 | value above 250 | | |
| | Extreme | User has tried to | System will allow this | The system has | Alter Item | 0:26 |
| | | input value £250 | input and proceed | proceeded with | Window | |
| | | | altering the menu | altering the menu | | |
| | | | item | item | | |
| Close | Valid | Cancel Push Button | The confirmation | The Confirmation | Alter Item | |
| Confirmation | | is clicked | window will close and | window has closed, | Window | |
| Screen | | | return to the Alter | and the system has | | |
| | | | Item Page | returned to the Alter | | |
| | | | | Item Page | | |
| Alteration | Valid | Alter Item Push | The system will alter | The system has | Alter Item | 0:43 |
| Confirmed | | Button is clicked | the selected item in | altered the selected | Window | |
| | | | the database, then the | item, the | | |
| | | | confirmation window | confirmation | | |
| | | | will close and return | window then closed | | |
| | | | to the Management | and returned to the | | |
| | | | Page | Management page | | |

Remove Booking Window

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|----------------------------------|-----------|--|---|---|---------------------------|------------|
| Reservation is Double Clicked | Valid | Reservation in table is double clicked | A confirmation screen will appear which will ask the user to confirm their decision | A confirmation screen appeared | Remove Booking Window | 0:04 |
| | Valid | Reservation in table is double clicked | The details of the reservation will appear on the confirmation screen | The reservation details appeared on the confirmation screen | Remove Booking Window | 0:04 |
| Confirmation Screen | Valid | 'Cancel' Push Button is clicked | The confirmation screen will close and | The Confirmation Screen closed, | Menu Management Window | 0:06 |

| | | return to the calendar | leaving the calendar | | |
|-------|------------------|------------------------|-----------------------|-----------------|------|
| | | page | page open | | |
| Valid | 'Remove Booking' | The confirmation | The Confirmation | Menu Management | 0:10 |
| | Push Button is | screen will close and | Screen closed, | Window | |
| | clicked | return to the calendar | leaving the calendar | | |
| | | page | page open | | |
| Valid | 'Remove Booking' | The system will | The system removed | Menu Management | 0:10 |
| | Push Button is | remove the | the reservation by | Window | |
| | clicked | reservation by running | running an SQL | | |
| | | an SQL Query | Query, showed by | | |
| | | | the reservation table | | |

Staff Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|-------------------|-----------|---------------------|-------------------------|--------------------|------------|------------|
| Function to alter | Valid | 'Confirm' Push | The system will | The system updated | Staff Page | 0:54 |
| staff details | | Button is clicked | update the staff | the details and | | |
| | | | details, while updating | updated the staff | | |
| | | | the staff details table | details table | | |
| | Invalid | 'Confirm' Push | Output Error Message | Outputted Error | Staff Page | 0:07 |
| | | Button is clicked | 'Please Select a User | Message 'Please | | |
| | | without selecting | to alter' | Select a User to | | |
| | | staff record in the | | alter' | | |
| | | table | | | | |
| Username (First | Invalid | " | Output Error Message | Outputted Error | Staff Page | 0:12 |
| Name) Validation | | | 'Please Enter First | Message 'Please | | |
| | | | Name' | Enter First Name' | | |
| | Invalid | '9876' | Output Error Message | Outputted Error | Staff Page | 0:18 |
| | | | 'No Numbers Allowed' | Message 'No | | |
| | | | | Numbers Allowed' | | |

| | Erroneous | ' ⊕ ● ♥' | Output Error Message | Outputted Error | Staff Page | 0:27 |
|----------------|-----------|------------------------|------------------------|----------------------|------------|------|
| | | | 'No Special Characters | Message 'No Special | | |
| | | | Allowed' | Characters Allowed' | | |
| | Invalid | 'dsfdsfdsfsdg | Output Error Message | Outputted Error | Staff Page | 0:39 |
| | | fdsaf' (over 64 | 'Name exceeded | Message 'Name | | |
| | | characters) | maximum character | exceeded maximum | | |
| | | | length' | character length' | | |
| | Extreme | 'Emilious san' (64 | The system will allow | The system allowed | Staff Page | 0:54 |
| | | Characters) | this value to be | this value to be | | |
| | | | inputted into the | inputted into the | | |
| | | | system | system | | |
| | Valid | A suitable name | The system will allow | The system allowed | Staff Page | 0:54 |
| | | has been inputted | this value to be | this value to be | | |
| | | | inputted into the | inputted into the | | |
| | | | system | system | | |
| Password | Invalid | 11 | Output Error Message | Outputted Error | Staff Page | 0:18 |
| /alidation | | | 'Please Enter a | Message 'Please | | |
| | | | Password' | Enter a Password' | | |
| | Invalid | '1234567' | Output Error Message | Outputted Error | Staff Page | 0:27 |
| | | | 'Maximum of 6 Digits | Message 'Maximum | | |
| | | | Allowed' | of 6 Digits Allowed' | | |
| | Extreme | '123456' / '123' | The system will allow | The system allowed | Staff Page | 0:39 |
| | | | this value to be | this value to be | | |
| | | | inputted into the | inputted into the | | |
| | | | system | system | | |
| Manager | Valid | Either 'Yes' or 'No' | The system will allow | The system allowed | Staff Page | 0:54 |
| /alidation | | has been selected | this value to be | this value to be | | |
| | | in the combo box | inputted into the | inputted into the | | |
| | | | system | system | | |

Statistics Page

| Test description | Test Type | Test Data | Expected Outcome | Actual Outcome | Video File | Time Stamp |
|------------------|-----------|-------------------|------------------------|----------------------|-----------------|------------|
| Importing all | Valid | 'Statistics' Push | All of the menu items | All of the menu | Statistics Page | 0:00 |
| Menu Items | | Button is clicked | will be displayed on a | items were displayed | | |
| | | | table, stating their | on a table, stating | | |
| | | | name, number of | their name, number | | |
| | | | orders, etc. | of orders, etc. | | |
| | Valid | Combo box is set | All the menu items in | All the menu items | Statistics Page | 0:02 |
| | | to 'Popularity | the table will be | in the table were | | |
| | | (Ascending)' | sorted in ascending | sorted into | | |
| | | | order | ascending order | | |
| | Valid | Combo box is set | All the menu items in | All the menu items | Statistics Page | 0:08 |
| | | to 'Popularity | the table will be | in the table were | | |
| | | (Descending)' | sorted in descending | sorted into | | |
| | | | order | descending order | | |