

# Testing

## Testing Strategy

The testing strategy for the system involves a performing five tests which will determine whether or not the system is fit for its intended use.

These tests are:

1. **Navigation**
2. **Module/Functionality**
3. **Validation**
4. **Integration**
5. **Acceptance**

## 1. Navigation

Test	Action	Test Description	Expected Result	Actual Result
1.01	Login Form( <b><u>frmLogin</u></b> ) – <b><u>btnLogin</u></b> Button Click	Tests the functionality of the login button. Shows that the user can navigate from the log in form to the Menu form( <b><u>frmMenu</u></b> )	The login form is hidden and the Menu form is displayed. <b>This result is only valid if the login credentials are genuine</b>	As expected
1.02	Menu Form( <b><u>frmMenu</u></b> ) – <b><u>btnLog out</u></b> Button Click	Tests the functionality of the Log out button.	The Menu form should close and the login form should be made visible to the user	As expected
1.03	Menu Form – <b><u>btnManageBookings</u></b> Button Click	Tests the functionality of the Manage Bookings button. Shows the transition from the Menu form to the Manage Bookings form	The Manage Bookings form should be displayed on the screen and the Menu form should appear in the background.	As expected

		<b>(frmManageBookings)</b>		
1.04	Menu Form – <b><u>btnManageCatering</u></b> Button Click	Tests the functionality of the Catering button. Shows the transition between the Menu form and the Catering form <b>(frmManageCatering)</b>	The Catering form should be displayed and the Menu form should appear in the background.	As expected
1.05	Menu Form – <b><u>btnManageCustomers</u></b> Button Click	Tests the functionality of the Manage Customers button. Shows the transition between the Menu form and the Manage Customers form <b>(frmManageCustomers)</b>	The Manage Customers form should be displayed and the Menu form should appear in the background.	As expected
1.06	Menu Form – <b><u>btnManageRooms</u></b> Button Click	Tests the functionality of the Manage Rooms button. Shows the transition between the Menu form and the Manage Rooms form <b>(frmManageRooms)</b>	The Manage Rooms form should be displayed and the Menu form should appear in the background.	As expected
1.07	Menu Form – <b><u>btnNewBooking</u></b> Button Click	Tests the functionality of the New Booking button. Shows the transition between the Menu form and the New Booking form <b>(frmNewBooking)</b>	The New Booking form should be displayed and the Menu form should appear in the background.	As expected
1.08	New Booking Form <b>(frmNewBooking)</b> – <b><u>btnFinish</u></b> ButtonClick	Tests the functionality of the Finish button	The New Booking Form Should be closed and the Menu form should be brought to the front	As expected
1.09	New Booking Form– <b><u>btnCancel</u></b> ButtonClick	Tests the functionality of the Cancel button	The New Booking Form Should be closed and the Menu form should be brought to the front	As expected
1.10	Menu Form – <b><u>btnSystemSettings</u></b> Button Click	Tests the functionality of the Manage Rooms button. Shows the transition between the Menu form and the System Settings form	The System Settings form should be displayed and the Menu form should appear in the background.	As expected

		<b>(frmSystemSettings)</b>		
1.11	Menu Form – <b><u>btnBookingCalendar</u></b> Button Click	Tests the functionality of the Booking Calendar button. Shows the transition between the Menu form and the Booking Calendar form ( <b><u>frmBookingCalendar</u></b> )	The Booking Calendar form should be displayed and the Menu form should appear in the background.	As expected
1.12	Manage Bookings Form ( <b><u>frmManageBookings</u></b> ) – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The Manage Bookings form should be closed and the Menu should be brought to the front.	As expected
1.13	Manage Catering Form ( <b><u>frmManageCatering</u></b> ) – <b><u>btnNewItem</u></b> Button Click	Tests the functionality of the New Item button. Shows the transition between the Catering form and the New Item form ( <b><u>frmNewItem</u></b> )	The New Item form should be displayed and the Manage Catering form should appear in the background	As expected
1.14	New Item Form ( <b><u>frmNewItem</u></b> ) – <b><u>btnFinish</u></b> ButtonClick	Tests the functionality of the Finish button	The New Item Form Should be closed and the Manage Catering form should be brought to the front	As expected
1.15	New Item Form– <b><u>btnCancel</u></b> ButtonClick	Tests the functionality of the Cancel button	The New Item Form Should be closed and the Manage Catering form should be brought to the front	As expected
1.16	Manage Catering Form – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The Manage Catering form should be closed and the Menu should be brought to the front.	As expected
1.17	Manage Customers Form ( <b><u>frmManageCustomers</u></b> ) – <b><u>btnNewCustomer</u></b> Button Click	Tests the functionality of the New Customer button. Shows the transition between the Manage Customers form and the New Customer form ( <b><u>frmNewCustomer</u></b> )	The New Customer form should be displayed and the Manage Customers form should appear in the background	As expected
1.18	New Customer Form ( <b><u>frmNewCustomer</u></b> ) – <b><u>btnFinish</u></b>	Tests the functionality of the Finish button	The New Customer Form Should be closed and the Manage Customers form should be brought to the front	As expected

	ButtonClick			
1.19	New Customer Form– <b><u>btnCancel</u></b> ButtonClick	Tests the functionality of the Cancel button	The New Customer Form Should be closed and the Manage Customers form should be brought to the front	As expected
1.20	Manage Customers Form – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The Manage Customers form should be closed and the Menu should be brought to the front.	As expected
1.21	Manage Rooms Form ( <b><u>frmManageRooms</u></b> ) – <b><u>btnNewRoom</u></b> Button Click	Tests the functionality of the New Room button. Shows the transition between the Manage Rooms form and the New Room form ( <b><u>frmNewRoom</u></b> )	The New Room form should be displayed and the Manage Rooms form should appear in the background	As expected
1.22	New Room Form ( <b><u>frmNewRoom</u></b> ) – <b><u>btnFinish</u></b> ButtonClick	Tests the functionality of the Finish button	The New Room Form Should be closed and the Manage Rooms form should be brought to the front	As expected
1.23	New Room Form– <b><u>btnCancel</u></b> ButtonClick	Tests the functionality of the Cancel button	The New Room Form Should be closed and the Manage Rooms form should be brought to the front	As expected
1.24	Manage Rooms Form – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The Manage Rooms form should be closed and the Menu should be brought to the front	As expected
1.25	System Settings Form ( <b><u>frmSystemSettings</u></b> ) – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The System Settings form should be closed and the Menu should be brought to the front	As expected
1.26	System Settings Form – <b><u>btnManageUsers</u></b> Button Click	Tests the functionality of the Manage Users button. Shows the transition between the System Settings form and the Manage Users form ( <b><u>frmManageUsers</u></b> )	The Manage Users form should be displayed and the System Settings form should appear in the background	As expected

1.27	System Settings Form – <b><u>btnSetup</u></b> Button Click	Tests the functionality of the Setup button. Shows the transition between the System Settings form and the Setup form ( <b><u>frmSetup</u></b> )	The Setup form should be displayed and the System Settings form should appear in the background.	As expected
1.28	Manage Users Form ( <b><u>frmManageUsers</u></b> ) – <b><u>btnClose</u></b> Button Click	Tests the functionality of the Close button.	The System Settings form should be closed and the System Settings form should be brought to the front	As expected
1.29	Manage Users Form – <b><u>btnNewUser</u></b> Button Click	Tests the functionality of the New User button. Shows the transition between the Manage Users form and the New User form ( <b><u>frmNewUser</u></b> )	The New User form should be displayed and the Manage Users form should appear in the background	As expected
1.30	New User Form ( <b><u>frmNewUser</u></b> ) – <b><u>btnFinish</u></b> Button Click	Tests the functionality of the Finish button.	The New User form should be closed and the Manage User form should be brought to the front	As expected
1.31	New User Form – <b><u>btnCancel</u></b> Button Click	Tests the functionality of the Cancel button.	The New User form should be closed and the Manage User form should be brought to the front <b>This result is only valid if the setup form has been accessed via the System Settings form.</b>	
1.32	Setup Form ( <b><u>frmSetup</u></b> ) – <b><u>btnFinish</u></b> Button Click	Tests the functionality of the Finish button.	The Setup form should be closed and the System Settings form should be brought to the front <b>This result is only valid if the setup form has been accessed via the System Settings form.</b>	As expected
1.33	Booking Calendar Form ( <b><u>frmBookingCalendar</u></b> ) –	Tests the functionality of the Close button.	The Booking Calendar form should be closed and the Menu form should be	As expected

	<b><u>btnClose</u></b> Button Click		brought to the front	
1.34	Login Form – <b><u>frmLogin_Load</u></b> Form load event	Test the navigation between the login form and the setup form ( <b><u>frmSetup</u></b> ). <b>This event will only cause a transition from the Login form to the setup form if the file “Setup.dat” does not exist or if the file contains invalid data, which indicates that the setup procedure has not been completed.</b>	The Setup form should be displayed on the screen.	As expected ( <b><u>Screenshot 1</u></b> )
1.35	Setup Form ( <b><u>frmSetup</u></b> ) – <b><u>btnFinish</u></b> Button Click	Tests the functionality of the Finish button	The New User form is displayed and the Setup form should appear in the background. <b>This result is only valid if the system setup has been carried out successfully. Furthermore this result will only transpire if the setup type has been set to “System”</b>	As expected ( <b><u>Screenshot 2,3</u></b> )
1.36	New User Form ( <b><u>frmNewUser</u></b> ) – <b><u>btnFinish</u></b> Button Click	Tests the functionality of the Finish button	The New User form should be closed and the Login form should be displayed on the screen <b>This result is only valid if the form had been accessed via the setup form and during the initial setup process</b>	As expected ( <b><u>Screenshot 4</u></b> )
1.37	New User Form – <b><u>btnCancel</u></b> Button Click	Tests the functionality of the Cancel button	The New user form remains on the screen. <b>This result is only valid if the form had been accessed via the setup form and during the initial setup process</b>	As expected



## 2. Module/Functionality

Test	Action	Test Description	Expected Result	Actual Result (Screenshots)
2.01	Login Form ( <b>frmLogin</b> ) – <b>btnLogin</b> Button Click	This test will involve pressing the Login button when the login form ( <b>frmLogin</b> ) has been filled in with the valid logon credentials of a user. Tests whether a genuine user can log into the system.	The Login form is hidden and the Menu form is shown	As Expected (5,6)
2.02	Manage Customers Form ( <b>frmManageCustomers</b> ) – <b>lstCustomer</b> Customer selected  <b>btnUpdate</b> Button Click	Tests the system's ability to retrieve, edit and update customer information stored in the file	Information is displayed in the text boxes and then updated. A message box is shown if the operation is successful	As Expected 7,8
2.03	Add New Customer Form ( <b>frmNewCustomer</b> ) – <b>btnFinish</b> Button Click	Tests the system's ability to add a new customer to the file	Message box is shown if the operation is successful	As Expected 9,10
2.04	Manage Rooms Form ( <b>frmManageRooms</b> ) – <b>lstRoom</b> Room selected  <b>btnUpdate</b> Button Click	Tests the system's ability to retrieve, edit and update room information stored in the file	Information is displayed in the text boxes and then updated. A message box is shown if the operation is successful	As Expected 11,12
2.05	Add New Room Form	Tests the system's ability to add a	Message box is shown if the operation is	As Expected



	<b>(frmNewRoom) – btnFinish</b> Button Click	new room to the file	successful	13,14
2.06	Manage Catering Form <b>(frmManageCatering) – lstItem</b> Item selected  <b>btnUpdate</b> Button Click	Tests the system's ability to retrieve, edit and update the information of a food item	Information is displayed in the text boxes and then updated. A message box is shown if the operation is successful	As Expected 15,16
2.07	Add New Item Form <b>(frmNewItem) – btnFinish</b> Button Click	Tests the system's ability to add a new food item to the file	Message box is shown if the operation is successful	As Expected 17,18
2.08	Manage Bookings Form <b>(frmManageBookings) – lstCustomer</b> Customer selected  <b>dgvBookings</b> Cell Click  <b>btnUpdate</b> Button Click	Tests the system's ability to retrieve, edit and update booking information stored in the file	Information is displayed in the data grid and text boxes and then updated. A message box is shown if the operation is successful	As Expected 19,20
2.09	Booking Calendar Form <b>(frmBookingCalendar) calBooking</b> Date changed  <b>dgvBookingResults</b> Cell Click	Tests the system's ability to retrieve booking information for a certain date and display it in a data grid on the Booking Calendar form.	The information concerning a single booking will be displayed within the data grid and in the text boxes.	As Expected 21
2.10	Booking Calendar Form –	Tests the ability to select a range of	Bookings which occur on dates selected	As Expected 22

	<b>calBooking</b> Multiple dates selected	dates and display bookings which occur on those dates	in the calendar will be displayed in the data grid.	
2.11	Booking Calendar Form – <b>calBooking</b> Date changed  <b>btnMonth</b> Button Click	Tests the ability to display all of the bookings taking place in the currently selected month	Bookings which occur in the currently selected month will be displayed in the data grid.	As Expected 23
2.12	Booking Calendar Form – ( <b>frmBookingCalendar</b> ) <b>calBooking</b> Date changed  <b>btnYear</b> Button Click	Tests the ability to display all of the bookings taking place in the currently selected year	Bookings which occur in the currently selected year will be displayed in the data grid.	As Expected 24
2.13	Booking Calendar Form - <b>calBooking</b> Date changed  <b>dgvBookingResults</b> Cell Click  <b>btnCreateReport</b> Button Click	Tests the ability to create booking report for a particular booking.	An editable Microsoft word document will be shown on-screen. This document should contain all relevant information about the booking.	As Expected 25,26
2.14	New Booking Form ( <b>frmNewBooking</b> ) – <b>lstCustomer</b> Customer selected  <b>btnFinish</b> Button Click	Tests the ability to create a booking for an already existing customer	The new booking should be added to the file and a message box should be shown, confirming that the operation was successful	As Expected 27,28
2.15	New Booking Form –	Tests the ability to create a booking	The new booking should be added to the	As Expected

	<b>cbxNewCustomer</b> Checked  <b>btnFinish</b> Button Click	for a new customer	file and a message box should be shown, confirming that the operation was successful	29,30
2.16	Menu Form ( <b>frmMenu</b> ) – <b>btnSystemSettings</b> Button Click	Tests the ability to provide statistics regarding the system, such as the most popular room or the most frequent customer this month.	The statistics should be visible on opening of the System Settings form ( <b>frmSystemSettings</b> )	As Expected 31
2.17	Add User Item Form ( <b>frmNewUser</b> ) – <b>btnFinish</b> Button Click	Tests the system's ability to add a new User to the file	Message box is shown if the operation is successful	As Expected 32,33
2.18	Manage Users Form ( <b>frmManageUsers</b> ) – <b>lstUser</b> User selected  <b>btnUpdate</b> Button Click	Tests the system's ability to retrieve, edit and update customer information such as their username and their password.	Information is displayed in the text boxes and then updated. A message box is shown if the operation is successful	As Expected 33
2.19	System Settings Form ( <b>frmSystemSettings</b> ) – <b>btnReset</b> Button Click	Tests the system's ability to reset the system by deleting all system files.	A message box is displayed on the screen with a "Yes" and "No" button on it. If the yes button is pressed the system files will be deleted. The system setup form should then be displayed on the screen.	As Expected 34
2.20	System Settings Form – <b>btnBackUp</b> Button Click	Tests the system's ability to perform a back-up	A folder browser dialog will be shown on the screen to allow the user to select a location in which the system backup will be stored.	As Expected
2.21	System Settings Form –	Tests the ability to access the	The system setup form will be displayed	As Expected

	<b>btnSetup</b> Button Click	System Setup form	on the screen.	
2.22	Manage Bookings Form – <b>lstItem</b> Item Selected  <b>btnAddItem</b> Button Click	Tests the ability to add a new item to a list of orders on the Manage Bookings Form ( <b>frmManageBookings</b> )	The selected Item is added to the data grid	As Expected
2.23	Manage Bookings Form – <b>dgvlItem</b> Cell Click  <b>btnRemoveSelected</b> Button Click	Tests the ability to remove an item from a list of orders on the Manage Bookings Form ( <b>frmManageBookings</b> )	The selected item is removed from the data grid	As Expected
2.24	New Booking Form – <b>lstItem</b> Item Selected  <b>btnAddItem</b> Button Click	Tests the ability to add a new item to a list of orders on the New Booking Form ( <b>frmNewBooking</b> )	The selected Item is added to the data grid	As Expected
2.25	New Booking Form – <b>dgvlItem</b> Cell Click  <b>btnRemoveSelected</b> Button Click	Tests the ability to remove an item from a list of orders on the New Booking Form ( <b>frmNewBooking</b> )	The selected item is removed from the data grid	As Expected

### 3. Validation Invalid input tests

Test	Action	Test Description	Expected Result	Actual Result (Screenshots)
3.01	Login Form( <b>frmLogin</b> ) – <b>txtUserName</b> Left empty  <b>mtbPassword</b> Left empty  <b>btnLogin</b> Button Click	Shows the system rejecting a failed presence check.	An error message is shown.	As expected 35
3.02	Login Form – <b>txtUserName</b> Contains invalid username  <b>mtbPassword</b> Contains invalid password  <b>btnLogin</b> Button Click	Shows the system not allowing a user to log in if their credentials are invalid.	An error message is shown.	As expected
3.03	Setup Form (frmSetup) – <b>txtResourceFolder</b> Left empty  <b>txtCompanyName</b> Left empty  <b>cmbSetupType</b>	Shows the system rejecting a failed presence check.	An error message is shown.	As expected

	No item selected  <b>btnFinish</b> Button Click			
3.04	Setup Form – <b>txtResourceFolder</b> Contains invalid file path  <b>btnFinish</b> Button Click	Shows the system rejecting an invalid resource folder location.	An error message is shown.	As expected
3.05	Setup Form – <b>cmbSetupType</b> System setup selected and the resource folder already exists  <b>btnFinish</b> Button Click	Shows the system preventing a user from doing a full system setup if system files already exist in the selected resource folder location	An error message is shown.	As expected
3.06	Manage Customers Form ( <b>frmManageCustomers</b> ) – <b>lstCustomer</b> No customer has been selected  <b>btnUpdate</b> Button Click	Shows the system rejecting a failed presence check.	An error message is shown.	As expected
3.07	Manage Rooms Form ( <b>frmManageRooms</b> ) – <b>lstRoom</b> No room has been selected	Shows the system rejecting a failed presence check.	An error message is shown.	As expected

	<b>btnUpdate</b> Button Click			
3.08	Manage Users Form ( <b>frmManageUsers</b> ) – <b>lstUser</b> No User has been selected  <b>btnUpdate</b> Button Click	Shows the system rejecting a failed presence check.	An error message is shown.	As expected
3.09	Manage Users Form – <b>txtUserName</b> Username length is not between 5 and 50 characters  <b>mtbPassword</b> Password length is not between 5 and 50 characters  <b>btnUpdate</b> Button Click	Shows the system rejecting a failed length check	An error message is shown.	As expected
3.10	Manage Users Form – <b>mtbPassword</b> Does not match the password in <b>mtbReenterPass</b>  <b>btnUpdate</b> Button Click	Shows the system rejecting the password mismatch	An error message is shown.	As expected
3.11	Manage Catering Form ( <b>frmManageCatering</b> ) –	Shows the system rejecting a failed presence check.	An error message is shown.	As expected

	<b>lstItem</b> No food item has been selected  <b>btnUpdate</b> Button Click			
3.12	Manage Catering Form – <b>txtPrice</b> The value is not numeric  <b>btnUpdate</b> Button Click	Shows the system rejecting a failed format check.	An error message is shown.	As expected
3.13	New Booking Form ( <b>frmNewBooking</b> ) – <b>lstCustomer</b> No customer has been selected <b>cmbRoom</b> No room has been selected  <b>dtpStartTime</b> Time has not been chosen  <b>dtpStartTime</b> Time has not been chosen  <b>btnFinish</b> Button Click	Shows the system rejecting a failed presence check.	An error message is shown.	As expected
3.14	New Booking Form – <b>lstItem</b> No item has been selected	Shows the system rejecting a failed presence check.	An error message is shown.	As expected



	<b>nudQuantity</b> Value is zero  <b>btnRemoveSelected</b> Button Click OR <b>btnAddItem</b> Button Click			
3.15	New Booking Form – The current booking is clashing with another already existing booking <b>btnFinish</b> Button Click	Shows the system rejecting a booking which clashes with a booking which already exists	An error message is shown.	As expected 36
3.16	New Booking Form – <b>dgvItems</b> Contains 200 items <b>btnFinish</b> Button Click	Shows the system rejecting an order list containing more than 200 items	An error message is shown.	As expected
3.17	New Item Form – <b>txtPrice</b> The value is not numeric  <b>btnFinish</b> Button Click	Shows the system rejecting a failed format check.	An error message is shown.	As expected
3.18	New User Form – <b>txtUserName</b> Username length is not between 5 and 50 characters  <b>mtbPassword</b>	Shows the system rejecting a failed length check	An error message is shown.	As expected

	Password length is not between 5 and 50 characters  <b>btnFinish</b> Button Click			
3.19	New User Form – <b>mtbPassword</b> Does not match the password in <b>mtbReenterPass</b>  <b>btnFinish</b> Button Click	Shows the system rejecting the password mismatch	An error message is shown.	As expected
3.20	Manage Bookings Form ( <b>frmManageBookings</b> ) – <b>lstCustomer</b> No customer has been selected <b>cmbRoom</b> No room has been selected  <b>dtpStartTime</b> Time has not been chosen  <b>dtpStartTime</b> Time has not been chosen  <b>btnFinish</b> Button Click	Shows the system rejecting a failed presence check.	An error message is shown.	As expected
3.21	Manage Bookings Form –	Shows the system rejecting a failed presence check.	An error message is	As expected

	<b>lstItem</b> No item has been selected <b>nudQuantity</b> Value is zero  <b>btnRemoveSelected</b> Button Click OR <b>btnAddItem</b> Button Click		shown.	
3.22	Manage Bookings Form – The current booking is clashing with another already existing booking <b>btnUpdate</b> Button Click	Shows the system rejecting a booking which clashes with a booking which already exists	An error message is shown.	As expected 36
3.23	Manage Bookings Form – <b>dgvItems</b> Contains 200 items <b>btnUpdate</b> Button Click	Shows the system rejecting an order list containing more than 200 items	An error message is shown.	As expected

### Boundary Input tests

Test	Action	Test Description	Expected Result	Actual Result (Screenshots)
3.24	<p>New User Form (<b>frmNewUser</b>) – <b>txtUserName</b> Enter a string composed of exactly 5 characters</p> <p>Valid password is entered into <b>mtbPassword</b></p> <p><b>btnFinish</b> Button Click</p>	Shows the system accepting a Username made up of only 5 characters	A message box is shown stating that the operation was successful. The name held within <b>IstUser</b> may change	As expected
3.25	<p>New User Form – <b>txtUserName</b> Enter a string composed of exactly 50 characters</p> <p>Valid password is entered into <b>mtbPassword</b></p> <p><b>btnFinish</b> Button Click</p>	Shows the system accepting a Username made up of exactly 50 characters	A message box is shown stating that the operation was successful. The name held within <b>IstUser</b> may change	As expected
3.26	<p>New User Form – <b>mtbPassword</b> Enter a string composed of exactly 5 characters</p> <p>Valid Username is entered As</p>	Shows the system accepting a password made up of only 5 characters	A message box is shown stating that the operation was successful.	As expected

	<p>expected into <b>txtUserName</b></p> <p><b>btnFinish</b> Button Click</p>			
3.27	<p>New User Form – <b>mtbPassword</b> Enter a string composed of exactly 50 characters</p> <p>Valid User Name is entered into <b>txtUserName</b></p> <p><b>btnFinish</b> Button Click</p>	Shows the system accepting a Password made up of exactly 50 characters	A message box is shown stating that the operation was successful.	As expected
3.28	<p>New Booking Form (<b>frmNewBooking</b>) – nudQuantity Value is exactly 1</p> <p><b>btnAddItem</b> Button Click</p>	Shows the system accepting an item quantity of 1	The item is added to the data grid	As expected
3.29	<p>New Booking Form – nudQuantity Value is exactly 100</p> <p><b>btnAddItem</b> Button Click</p>	Shows the system accepting an item quantity of 100	The item is added to the data grid	As expected
3.30	<p>New Booking Form – dtpStartTime Value is set to 00:00:01</p> <p><b>btnFinish</b> Button Click</p>	Shows the system accepting a time that is one second past midnight	A message box is shown stating that the operation was successful.	As expected

3.31	New Booking Form – <b>dgvAddItem</b> Contains exactly 199 items  <b>btnAddItem</b> Button Click	Shows the system accepting the addition of the 200 <sup>th</sup> item	The item is added to the data grid	As expected
3.32	New Booking Form – The date and room of the new booking match those of a booking that already exists. <b>dtpStartTime</b> Contains a time value that is equal to the ending time of another booking OR <b>dtpEndTime</b> Contains a time value that is equal to the start time of another booking  <b>btnFinish</b> Button Click	Shows the system accepting a booking which starts at the same time as another booking ends or a booking which ends when another booking starts	A message box is shown stating that the operation was successful.	As expected
3.33	Manage Bookings Form ( <b>frmManageBookings</b> ) – <b>nudQuantity</b> Value is exactly 1  <b>btnAddItem</b> Button Click	Shows the system accepting an item quantity of 1	The item is added to the data grid	As expected
3.34	Manage Bookings Form – <b>nudQuantity</b>	Shows the system accepting an item quantity of 100	The item is added to the data grid	As expected

	Value is exactly 100  <b>btnAddItem</b> Button Click			
3.35	Manage Bookings Form – <b>dtpStartTime</b> Value is set to 00:00:01 <b>btnUpdate</b> Button Click	Shows the system accepting a time that is one second past midnight	A message box is shown stating that the operation was successful.	As expected
3.36	Manage Bookings Form – dgvAddItem Contains exactly 199 items  <b>btnAddItem</b> Button Click	Shows the system accepting the addition of the 200 <sup>th</sup> item	The item is added to the data grid	As expected
3.37	Manage Bookings Form – The date and room of the new booking match those of a booking that already exists. <b>dtpStartTime</b> Contains a time value that is equal to the ending time of another booking OR <b>dtpEndTime</b> Contains a time value that is equal to the starting time of another booking  <b>btnUpdate</b> Button Click	Shows the system accepting a booking which starts at the same time as another booking ends or a booking which ends when another booking starts	A message box is shown stating that the operation was successful.	As expected

#### **4. Integration**

Integration tests involves taking individual modules (forms) and combining them in order to verify the effectiveness and functionality of the major design items. The main purpose of integration testing is to check whether or not forms can work together without any errors occurring during the testing process. If the tests don't show up any errors then another module/form is added and the process is repeated. For example in screen shot 16 and 17 (**Manage Bookings form**) we can see that a booking is being edited and updated, furthermore in screen shot 18 (**Booking Calendar form**) we can see that the booking appears in the list of bookings that will occur during the selected month.

#### **5. Acceptance**

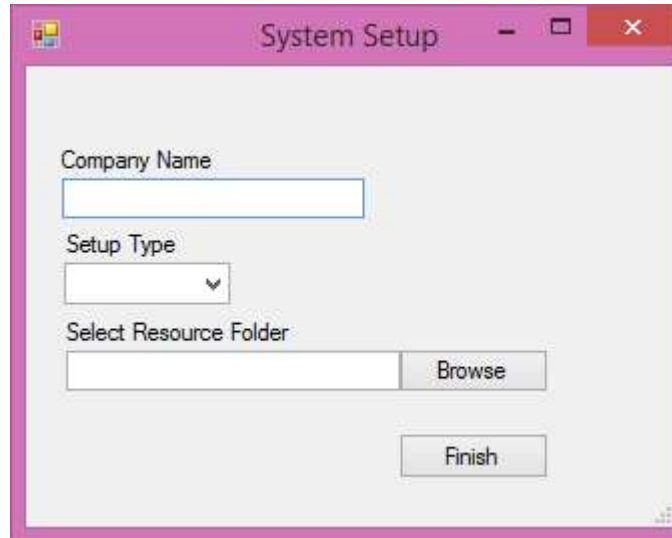
Acceptance testing shall be carried out by the customer who has requested the system in question. The acceptance testing will be carried out to make sure that the customer is satisfied with the end product and to check that it does meet the required specifications. The acceptance test will be included in the Appraisal/Evaluation section.



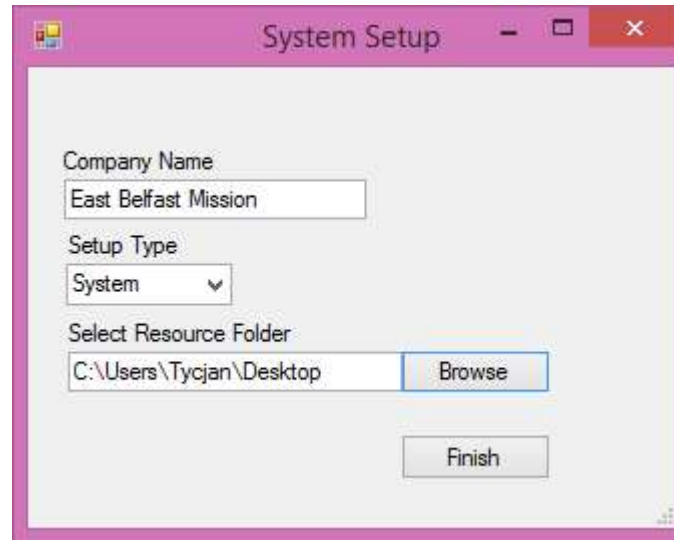


## **Screenshots**

1. This screen shot shows the system setup form which will be shown if the system has not been setup. This form will always be shown if the system setup file does not exist i.e. when the system has not been setup on a particular machine before.

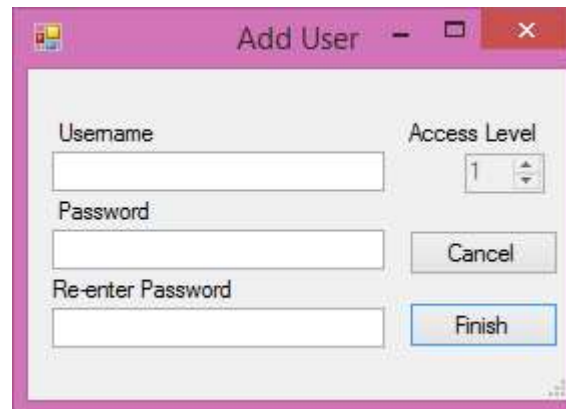
A screenshot of a Windows-style window titled "System Setup". The window has a pink title bar with standard minimize, maximize, and close buttons. The main content area is light gray and contains three input fields: "Company Name" (a text box), "Setup Type" (a dropdown menu), and "Select Resource Folder" (a text box). To the right of the "Select Resource Folder" text box is a "Browse" button. Below these fields is a "Finish" button. The window is outlined with a thick pink border.

2. In the second screen shot the Setup form has been completed with valid data



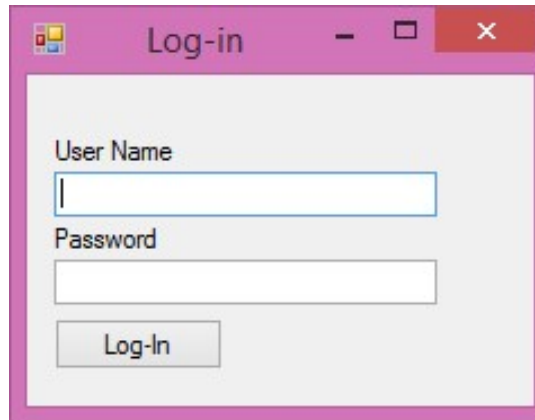
A screenshot of a Windows-style dialog box titled "System Setup". It contains three main sections: "Company Name" with a text box containing "East Belfast Mission"; "Setup Type" with a dropdown menu set to "System"; and "Select Resource Folder" with a text box containing "C:\Users\Tycjan\Desktop" and a "Browse" button. A "Finish" button is located at the bottom right.

3. If the system setup option is chosen the setup form will be moved into the background and the Add User Form will be shown



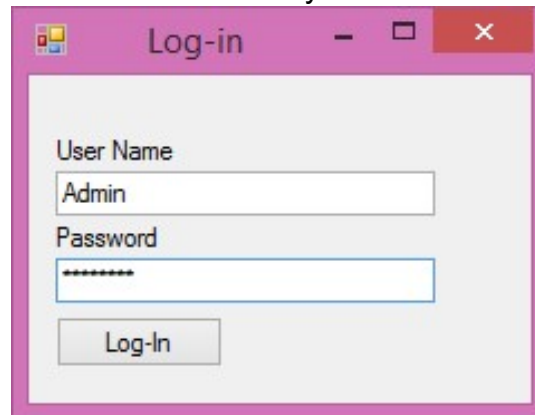
A screenshot of a Windows-style dialog box titled "Add User". It contains three text boxes: "Username", "Password", and "Re-enter Password". To the right of the "Username" box is an "Access Level" spinner box set to "1". There are "Cancel" and "Finish" buttons on the right side of the dialog.

4. If the first user has been added then the Add User Form will be closed and a blank login form will be shown on the screen.



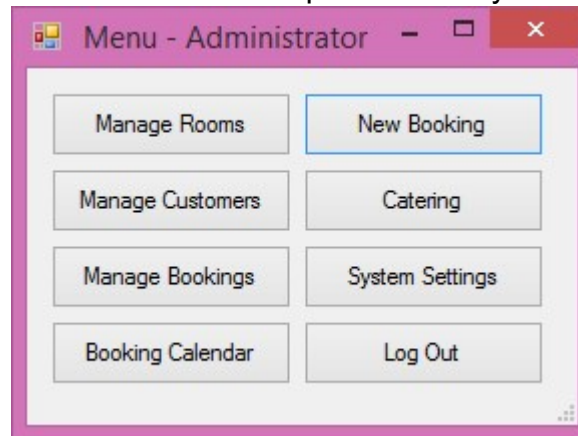
A screenshot of a Windows-style window titled "Log-in". The window has a pink title bar with standard minimize, maximize, and close buttons. The main content area is light gray and contains two text input fields. The first field is labeled "User Name" and is empty. The second field is labeled "Password" and is also empty. Below the password field is a button labeled "Log-In".

5. Screenshot 5 shows the Login form filled with information so that a user may be able to log in to the system. IN order to proceed to the Menu form the Login button must be pressed causing the system to check if the user credentials present on this form are valid and match those of a user who already exists.

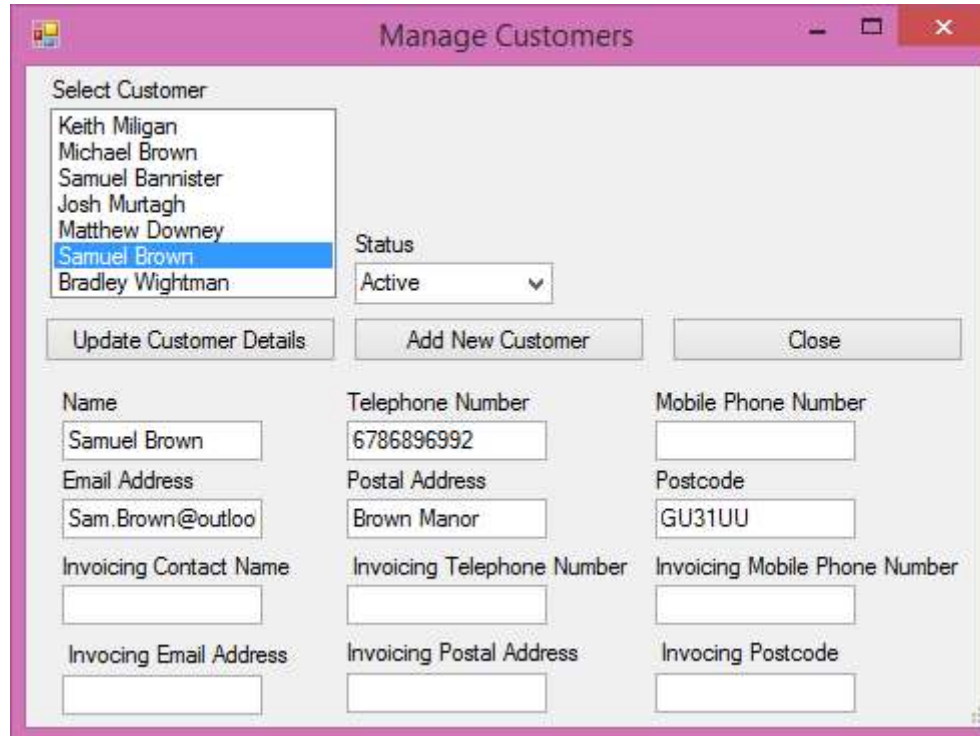


A screenshot of the same "Log-in" window, now filled with data. The "User Name" field contains the text "Admin". The "Password" field contains a series of asterisks "\*\*\*\*\*". The "Log-In" button remains at the bottom.

6. If the Login button has been pressed and the login credentials have been valid then the Menu form will be shown and the Login form will be hidden. The form below is titled “Menu – Administrator” due to the fact that the current user is logged in as a system administrator and has access to all parts of the system.



7. Clicking on the list box containing names of customers causes their information to be displayed in editable text boxes below the list box. In the form below we can see that some of the text boxes have not been filled in.



Name	Telephone Number	Mobile Phone Number
Samuel Brown	6786896992	
Email Address	Postal Address	Postcode
Sam.Brown@outloo	Brown Manor	GU31UU
Invoicing Contact Name	Invoicing Telephone Number	Invoicing Mobile Phone Number
Invoicing Email Address	Invoicing Postal Address	Invoicing Postcode

8. The screen shot below shows the same customer but with his data being updated and written to the file.

The screenshot shows a Windows-style application window titled "Manage Customers". It features a list of customer names on the left, a status dropdown menu, and three buttons: "Update Customer Details", "Add New Customer", and "Close". Below these are several input fields organized in a grid-like structure for updating customer information.

**Manage Customers**

Select Customer

- Keith Miligan
- Michael Brown
- Samuel Bannister
- Josh Murtagh
- Matthew Downey
- Samuel Brown
- Bradley Wightman

Status: Active

Update Customer Details | Add New Customer | Close

Name	Telephone Number	Mobile Phone Number
Samuel Brown	6786896992	54325432553
Email Address	Postal Address	Postcode
Sam.Brown@outloo	Brown Manor	GU31UU
Invoicing Contact Name	Invoicing Telephone Number	Invoicing Mobile Phone Number
John Dean	3846238464	97863164434
Invoicing Email Address	Invoicing Postal Address	Invoicing Postcode
JohnD_320@hotmail	87 Ladas Park	BT67IJ

9. The following screen shot illustrates the system's ability to add new customers. Once all of the information necessary is entered the "Finish" button should be pressed in order to write the new information to the file.

Name	Telephone Number	Mobile Phone Number
Mark Green	18468489651	48944516548
Email Address	Postal Address	Postcode
markgreen@yahoo.	2 Green Hill	LU22UI
Invoicing Contact Name	Invoicing Telephone Number	Invoicing Mobile Phone Number
Craig Wilson		84894849848
Invoicing Email Address	Invoicing Postal Address	Invoicing Postcode
	89 Falls Road	UN10GO

Finish Cancel

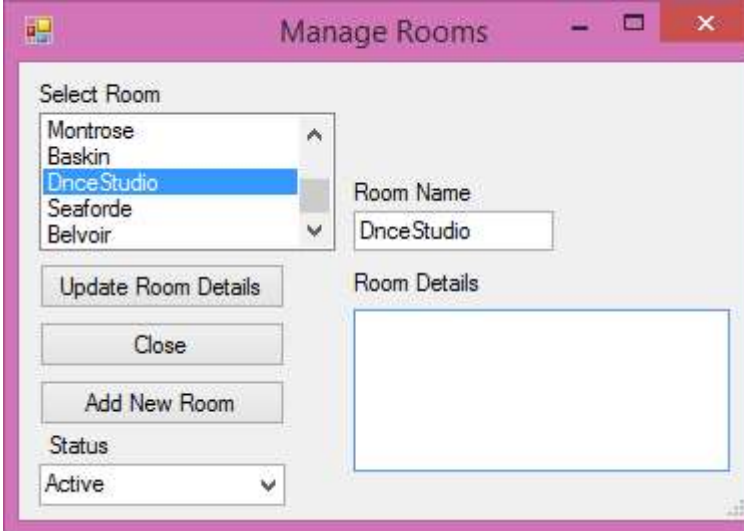


10. The following screenshot shows the new customer called “Mark Green” on the “Manage Customers” form.

The screenshot shows a Windows-style application window titled "Manage Customers". Inside the window, there is a "Select Customer" list box containing several names, with "Mark Green" selected and highlighted in blue. To the right of the list box is a "Status" dropdown menu set to "Active". Below these are three buttons: "Update Customer Details", "Add New Customer", and "Close". The main area of the form contains several input fields organized in a grid-like fashion. The first row has "Name" (Mark Green), "Telephone Number" (18468489651), and "Mobile Phone Number" (48944516548). The second row has "Email Address" (markgreen@yahoo.), "Postal Address" (2 Green Hill), and "Postcode" (LU22UI). The third row has "Invoicing Contact Name" (Craig Wilson), "Invoicing Telephone Number" (empty), and "Invoicing Mobile Phone Number" (84894849848). The fourth row has "Invoicing Email Address" (empty), "Invoicing Postal Address" (89 Falls Road), and "Invoicing Postcode" (UN10GO).

Name	Telephone Number	Mobile Phone Number
Mark Green	18468489651	48944516548
Email Address	Postal Address	Postcode
markgreen@yahoo.	2 Green Hill	LU22UI
Invoicing Contact Name	Invoicing Telephone Number	Invoicing Mobile Phone Number
Craig Wilson		84894849848
Invoicing Email Address	Invoicing Postal Address	Invoicing Postcode
	89 Falls Road	UN10GO

11. The image below shows the “Manage Rooms” form being used to display information about a room. The room currently being selected is called “DnceStudio”. Quite clearly this is a mistake made by a user of the system. The selected room also seem sot be lacking the “Room Details” data.



The screenshot shows a window titled "Manage Rooms" with a purple title bar. Inside the window, there is a "Select Room" section with a list box containing the following items: Montrose, Baskin, DnceStudio (highlighted in blue), Seaforde, and Belvoir. Below the list box are three buttons: "Update Room Details", "Close", and "Add New Room". To the right of the list box is a "Room Name" text box containing the text "DnceStudio". Below the "Room Name" text box is a "Room Details" section with a large, empty rectangular text area. At the bottom left of the window, there is a "Status" dropdown menu currently set to "Active".

12. In order for the mistake to be corrected new information has to be entered. As can be seen in the following screenshot, the name is changed to “Dance Studio” and the room details are entered in. To finalize these changes the Update Room Details button should be pressed

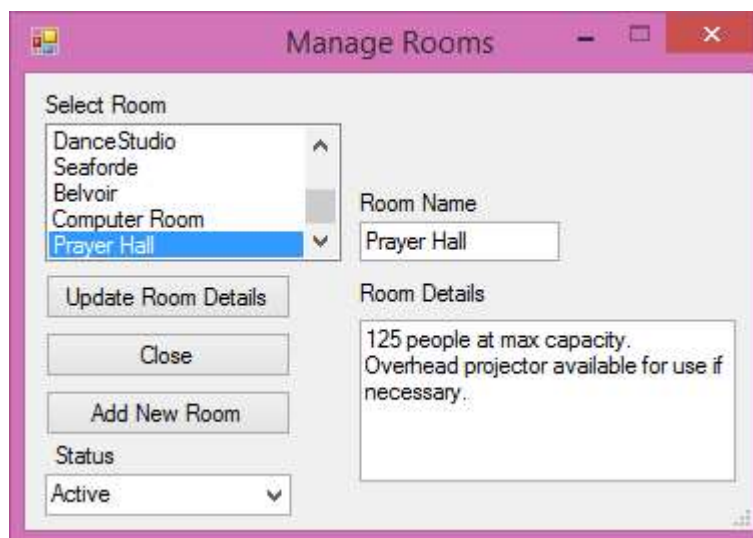
The screenshot shows a window titled "Manage Rooms" with a pink header bar. Inside the window, there is a "Select Room" section with a list box containing "Montrose", "Baskin", "Dance Studio" (highlighted in blue), "Seaforde", and "Belvoir". Below the list box are three buttons: "Update Room Details", "Close", and "Add New Room". To the right of the list box is a "Room Name" text box containing "Dance Studio". Below the "Room Name" text box is a "Room Details" section with a text area containing "Max 30 people at one time." and "Microphones available.". At the bottom left, there is a "Status" dropdown menu with "Active" selected.

13. The Add New Room form is shown in the screenshot below. In it we can see that a user is adding a room called “Prayer Hall” and pressing the “Finish” button to add the new room to the file.



The screenshot shows a Windows-style dialog box titled "Add New Room". It has a standard title bar with minimize, maximize, and close buttons. The dialog contains two main sections: "Room Name" and "Room Details". The "Room Name" section has a text input field containing the text "Prayer Hall". The "Room Details" section has a larger text area containing the text "125 people at max capacity. Overhead projector available for use if necessary". At the bottom of the dialog, there are two buttons: "Finish" and "Cancel".

14. The screenshot shows the newly added room on the “Manage Rooms” form

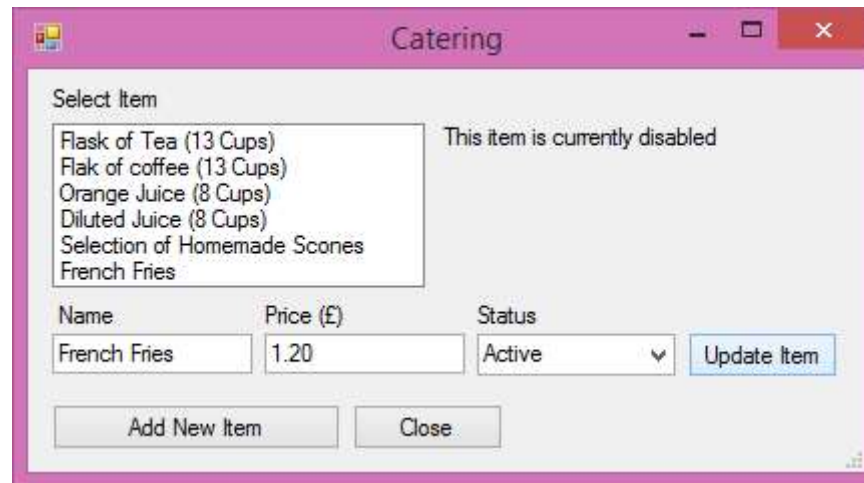


The screenshot shows a Windows-style application window titled "Manage Rooms". It has a standard title bar with minimize, maximize, and close buttons. The window contains several elements: a "Select Room" section with a list box containing the items "DanceStudio", "Seaforde", "Belvoir", "Computer Room", and "Prayer Hall", where "Prayer Hall" is selected and highlighted in blue; an "Update Room Details" button; a "Close" button; an "Add New Room" button; a "Status" section with a dropdown menu currently showing "Active"; and a "Room Details" section on the right with a text area containing the text "125 people at max capacity. Overhead projector available for use if necessary".

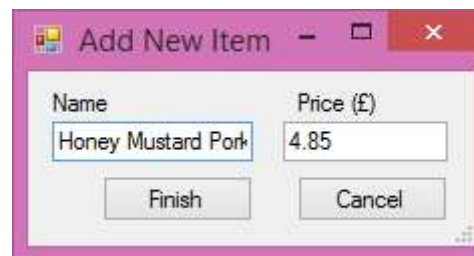
15. The following screen shot shows the user preparing to alter the information concerning a certain food item which is identified as “French Fres” in the screenshot.

The screenshot shows a window titled "Catering" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there is a section labeled "Select Item" containing a list box. The list box contains the following items: "Flask of Tea (13 Cups)", "Flak of coffee (13 Cups)", "Orange Juice (8 Cups)", "Diluted Juice (8 Cups)", "Selection of Homemade Scones", and "French Fres". The "French Fres" item is currently selected and highlighted in blue. To the right of the list box, there is a text label that reads "This item is currently disabled". Below the list box, there are three input fields: "Name", "Price (£)", and "Status". The "Name" field contains the text "French Fres", the "Price (£)" field contains "100.2", and the "Status" field is a dropdown menu currently showing "Inactive". To the right of these fields is an "Update Item" button. At the bottom of the window, there are two buttons: "Add New Item" and "Close".

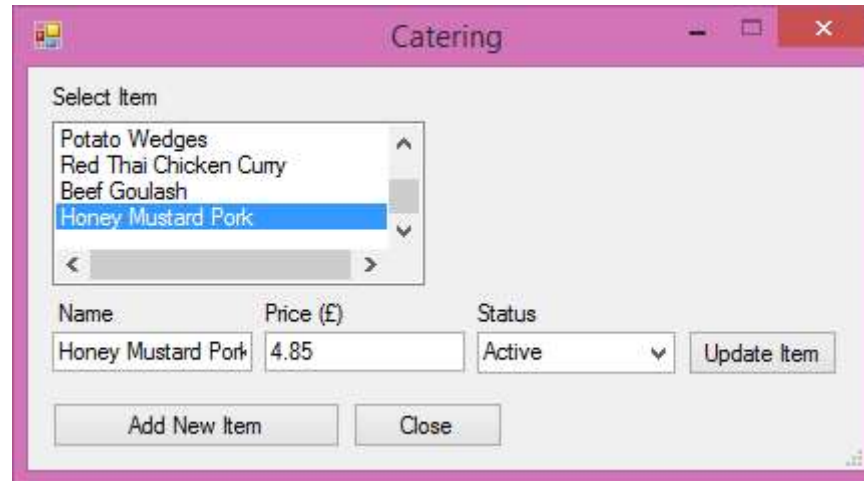
16. This screenshot shows the result of the user's actions in updating the details of a food item. From the screenshot it can be seen that the name of the item has been changed to “French Fries”



17. In the next screen shot the user is shown creating a new food item which could be ordered for a booking.



18. This screen shot shows that the new item has been added to the list of items and can be edited if necessary



19. This screen shot shows the process used to update the details of a particular booking made by a user. Here we can see that the user has chosen a customer called Michael Brown

[illegible]



20. This screen shot shows the result of the user changing the information contained in the booking. We can see that the time of the booking has been changed and extra items have been ordered for the booking.

**ManageBookings**

**Select Booking**

	Reference	Date	Room
▶	QWE	09/03/2015	Auditorium

**Select Customer**

Keith Miligan  
Michael Brown  
Samuel Bannister  
Josh Murtagh  
Matthew Downey

**Select Item**

Diluted Juice (8 Cup  
Selection of Homem  
French Fries  
Homemade Soup  
Honey Mustard Pork

**Delivery Time**

00:00:00

**Quantity**

1

	Name	Quantity	Delivery Time
▶	Diluted Juice (8 C...	1	00:00
	Selection of Hom...	2	11:30
	Homemade Soup	10	11:30
	Honey Mustard P...	1	11:30

**Booking Reference**

QWE

**Booking Date**

09 March 2015

**Start Time**

11:00:00

**End Time**

12:00:00

**Layout**

Default room layout

**Status**

Active

**Select Room**

Auditorium

**Tech Support**

No tech support neccessary

**Number of Microphones**

1

**Extra Requests**

21. The screen shot below shows the result of clicking on a cell within the data grid containing a number of bookings. Once a particular booking is clicked on, the information about it will be loaded into a number of non-editable text boxes.

**Booking Calendar**

	Customer Name	Reference	Time	Room Name	Date
	Keith Miligan	AUD1	12:00-13:00	Auditorium	09/03/2015
	Michael Brown	QWE	11:00-12:00	Community Hall	09/03/2015
	Bradley Wightman	Sea	12:00-15:00	Skainos Centre	10/03/2015
	Bradley Wightman	DEW	11:00-19:00	Arts & Craft Room	14/03/2015
▶	Michael Brown	MON	08:00-10:45	Baskin	12/03/2015

◀ March 2015 ▶

Mon	Tue	Wed	Thu	Fri	Sat	Sun
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Today: 12/03/2015

Processed by:

Room Layout

Prepare at least 10 chairs

Technical Support

Help neccessary when operating the projector

Extra Requests

The customer has requested that green tea be provided.

Microphones

Show bookings for current:

	Name	Quantity	Delivery Time
▶	Flask of Tea (13 ...	1	08:30

22. The following screenshot displays the ability to select a range of dates and view the bookings which occur on those dates.

The screenshot shows the 'Booking Calendar' application window. It features a table of bookings, a calendar for March 2015, and several form fields for processing the booking.

	Customer Name	Reference	Time	Room Name	Date
▶	Keith Miligan	AUD1	12:00-13:00	Auditorium	09/03/2015
	Michael Brown	QWE	11:00-12:00	Community Hall	09/03/2015
	Bradley Wightman	Sea	12:00-15:00	Skainos Centre	10/03/2015

Processed by:

Room Layout:

Technical Support:

Extra Requests:

Microphones:

Show bookings for current:

	Name	Quantity	Delivery Time
▶	Diluted Juice (8 ...	1	00:00
	Selection of Ho...	2	11:30
	Homemade Soup	10	11:30
	Honey Mustard ...	1	11:30

Calendar: March 2015. Today: 12/03/2015. Selected range: 9 to 12.

23. This screen shot shows that if the “Month” button is pressed, then the booking which occur within the currently selected month will be displayed in the data grid.

Booking Calendar

	Customer Name	Reference	Time	Room Name	Date
▶	Josh Murtagh	AUD1	06:00-08:00	Montrose	15/04/2015

April 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Today: 12/03/2015

Processed by:  
Admin

Room Layout  
Default layout

Technical Support

Extra Requests

Microphones  
0

Create Report

Close

Show bookings for current:  
Month Year

Name	Quantity	Delivery Time
------	----------	---------------

24. Likewise, pressing the “Year” button will all of the bookings taking place within the currently selected year.

The screenshot shows the 'Booking Calendar' application window. It features a table of bookings, a calendar for April 2015, and several form fields for user input and controls.

	Customer Name	Reference	Time	Room Name	Date
▶	Keith Miligan	AUD1	12:00-13:00	Auditorium	09/03/2015
	Michael Brown	QWE	11:00-12:00	Community Hall	09/03/2015
	Bradley Wightman	Sea	12:00-15:00	Skainos Centre	10/03/2015
	Bradley Wightman	DEW	11:00-15:00	Arts & Craft Room	14/03/2015
	Josh Murtagh	AUD1	06:00-08:00	Montrose	15/04/2015
	Michael Brown	MON	08:00-10:45	Baskin	12/03/2015

Calendar: April 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Today: 12/03/2015

Processed by: Admin

Room Layout: Default layout

Technical Support:

Extra Requests:

Microphones: 0

Create Report

Close

Show bookings for current: Month Year

Name	Quantity	Delivery Time

25. Pressing the “Create Report” button will initiate the creation of an editable Microsoft Word document for the currently selected customer who in this case is “Mark Green”.

**Booking Calendar**

	Customer Name	Reference	Time	Room Name	Date
	Keith Miligan	AUD1	12:00-13:00	Auditorium	09/03/2015
	Michael Brown	QWE	11:00-12:00	Community Hall	09/03/2015
	Bradley Wightman	Sea	12:00-15:00	Skainos Centre	10/03/2015
	Bradley Wightman	DEW	11:00-15:00	Arts & Craft Room	14/03/2015
	Michael Brown	MON	08:00-10:45	Baskin	12/03/2015
▶	Mark Green	DNC01	16:00-18:00	Dance Studio	12/03/2015

Processed by: Chris Purdy

Room Layout: Default layout

Technical Support: N/A

Extra Requests: No gluten

Microphones: 0

**Create Report**

Close

Show bookings for current: Month Year

	Name	Quantity	Delivery Time
▶	Homemade Soup	5	16:00
	Flak of coffee (1...	1	16:00
	French Fries	10	16:00
	Honey Mustard ...	2	16:30

March 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Today: 12/03/2015

26. Below is a screen shot of the document produced. It contains all of the relevant information about the chosen booking.

**Booking Report for Mark Green on 12/03/2015 at 16:00**

This booking was created by Chris Purdy

**Preferred Room Layout**

Default layout

**Technical Support**

The customer has requested 0 microphone/s

N/A

**Catering**

Name	Quantity	Delivery Time
Homemade Soup	5	16:00
Flak of coffee (13 Cups)	1	16:00
French Fries	10	16:00
Honey Mustard Pork	2	16:30

**Extra Request**

No gluten



27. In this screen shot the user is creating a booking for a customer that already exists in the system.

**New Booking**

Booking Reference

DNC12/03

Start Time

16:00:00

Room Setup

Layout

Default room layout

Booking Date

12 March 2015

End Time

18:00:00

Tech Support

N/A

Select Room

DanceStudio

Number of Microphones

1

Select Customer

Keith Miligan  
Michael Brown  
Samuel Bannister  
**Josh Murtagh**  
Matthew Downey

☐ New Customer

Select Item

Cocktail Sausage (4pc)  
Potato Wedges  
**Red Thai Chicken Curry**  
Beef Goulash  
Honey Mustard Pork

Delivery Time

16:00:00

Quantity

0

Remove Selected Item

Clear Time

Add Item

	Name	Quantity	Delivery Time
▶	Red Thai Chicken ...	5	16:00

Extra Requests

Please ensure that the curry is gluten free

Finish

Cancel



28. The screen shot below shows the newly added booking for that particular customer

**ManageBookings**

Select Booking

	Date	Room	Reference
▶	12/03/2015	DanceStudio	DNC12/04

Select Customer

- Keith Miligan
- Michael Brown
- Samuel Bannister
- Josh Murtagh
- Matthew Downey

Select Item

- Flask of Tea (13 Cup
- Flak of coffee (13 Cu
- Orange Juice (8 Cup
- Diluted Juice (8 Cup
- Selection of Homem:

Delivery Time

16:00:00

Quantity

0

	Name	Quantity	Delivery Time
▶	Red Thai Chicke...	5	16:00

Booking Reference

DNC12/03

Booking Date

12 March 2015

Start Time

16:00:00

End Time

18:00:00

Select Room

DanceStudio

Layout

Default room layout

Tech Support

N/A

Status

Active

Number of Microphones

1

Extra Requests

Please ensure that the curry is gluten free

29. In the following screen shot the user is shown creating a booking for a completely new user whose details have not yet been recorded in the system.

**New Booking**

**Name**  
Jordan Earle

**Telephone Number**  
48562138745

**Mobile Phone Number**  
57932148462

**Email Address**  
Jearle@me.com68

**Postal Address**  
68 Sandown Road

**Postcode**  
TU22UP

**Invoicing Contact Name**  
Sophie Moore

**Invoicing Telephone Number**  
78545695231

**Invoicing Mobile Phone Number**  
745216895412

**Invoicing Email Address**  
Smoore@gmail.com

**Invoicing Postal Address**  
St Andrew's Avenue

**Invoicing Postcode**  
SJ12MS

**Select Customer**

- Keith Miligan
- Michael Brown
- Samuel Bannister
- Josh Murtagh
- Matthew Downey

☒ New Customer

**Select Item**

- Flask of Tea (13 Cups)
- Flak of coffee (13 Cups)
- Orange Juice (8 Cups)
- Diluted Juice (8 Cups)
- Selection of Homemade Scones

**Delivery Time**  
12:00:00

**Quantity**  
0

**Booking Reference**  
PR

**Booking Date**  
12 March 2015

**Start Time**  
12:00:00

**End Time**  
12:30:00

**Select Room**  
Seaforde

**Room Setup**

**Layout**  
Tables should be arranged in six rows of three

**Tech Support**  
N/A

**Number of Microphones**  
0

Name	Quantity	Delivery Time
Diluted Juice (8 Cups)	1	12:00
Selection of Home...	8	12:00

**Extra Requests**

30. The screenshot shows the booking after it has been added

**ManageBookings**

**Select Booking**

	Date	Room	Reference
▶	12/03/2015	Seaforde	PR

**Select Customer**

Bradley Wightman  
Fred Blogs  
Mark Sweeney  
Joe Soap  
Jordan Earle

**Select Item**

Flask of Tea (13 Cup  
Flak of coffee (13 Cu  
Orange Juice (8 Cup  
Diluted Juice (8 Cup  
Selection of Homem:

Delivery Time

12:00:00

Clear Time

Remove Selected Item

Add Item

Quantity

0

	Name	Quantity	Delivery Time
▶	Diluted Juice (8 C...	1	12:00
	Selection of Hom...	8	12:00

**Booking Reference**

PR

**Booking Date**

12 March 2015

**Start Time**

12:00:00

**End Time**

12:30:00

**Select Room**

Seaforde

**Layout**

Tables should be arranged in six rows of three

**Tech Support**

N/A

**Status**

Active

**Number of Microphones**

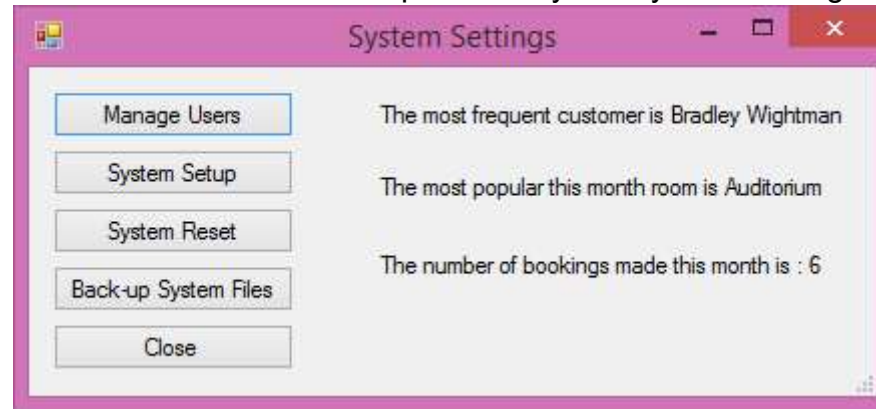
0

Extra Requests

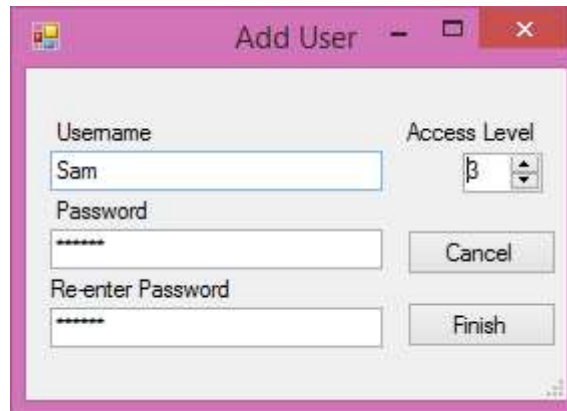
Close

Update Booking

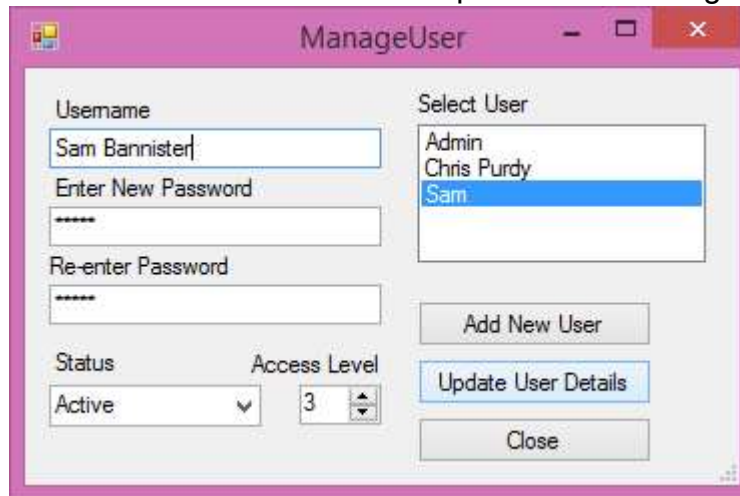
31. This screen shot shows the statistics provided by the System Settings form on opening.



32. This screenshot shows the system administrator creating a new user called "Sam" with an access level of 3

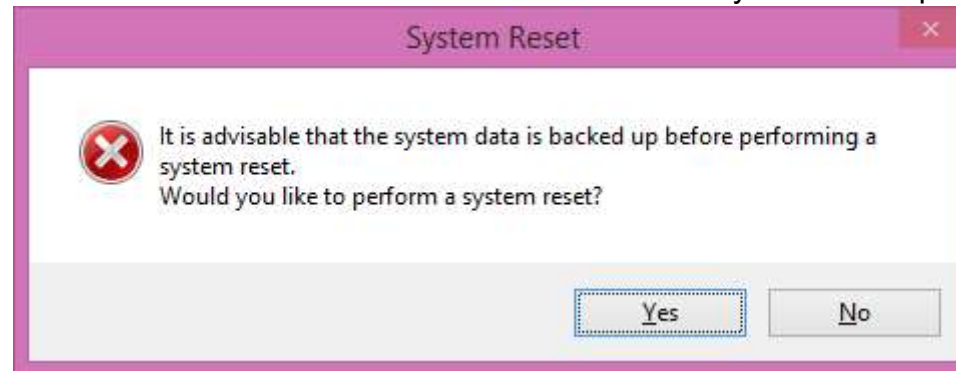


33. In this screen shot the administrator is changing some of the information of the user called "Sam". The name is updated to "Sam Bannister" and the password is changed.



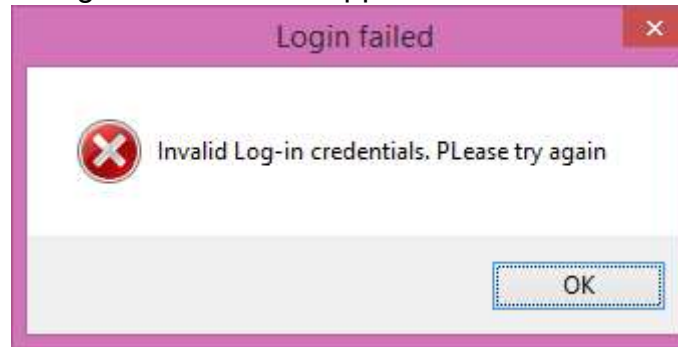
The screenshot shows a window titled "ManageUser" with a pink border. Inside, there are several input fields and buttons. The "Username" field contains "Sam Bannister". Below it are fields for "Enter New Password" and "Re-enter Password", both containing six asterisks. To the right, a "Select User" list box shows "Admin", "Chris Purdy", and "Sam" (highlighted in blue). At the bottom left, there are dropdown menus for "Status" (set to "Active") and "Access Level" (set to "3"). On the right side, there are three buttons: "Add New User", "Update User Details" (highlighted in blue), and "Close".

34. The screenshot below shows the message box which is displayed if the user clicks on the "Reset System" button. The message box give the user a choice on whether or not to reset the entire system and wipe all of th edata in the process.



The screenshot shows a message box titled "System Reset" with a pink border. It features a red circular icon with a white 'X' on the left. The text inside reads: "It is advisable that the system data is backed up before performing a system reset. Would you like to perform a system reset?". At the bottom right, there are two buttons: "Yes" (highlighted with a dashed border) and "No".

35. The screen shot shows the message box which will appear if the user tries to log in without the proper credentials



36. The following message box will displayed any time the system detects a clash between bookings. A booking will clash if it takes place in the same room, on the same date and if the times for the bookings coincide.

