

TESTING

Introduction

In order to test my system to its full extent, I shall use white box testing. This type of testing details testing all of the internal workings of a system. Due to my familiarity with the system, I will be able to test every type of valid and invalid input in the system, as well as test every single button and every single function extensively.

I plan to conduct my tests methodically, running through the system as a typical user would. I will test every possible way that the user could interact with the system at any given stage. This will provide a logical test and will showcase every possible function in the system. I will constantly be on the lookout for anything that goes wrong / deviates from my plan, or any improvements that need to be made.

Test Plan

Test Number	Test Type	Requirement	Expected Result	Pass or Fail	Evidence
1	Intuitive user interface and navigation in every part of the system.	Users should be able to understand the whole system at a glance and be able to easily navigate it, using every programmed function.	All navigation buttons will work and take the user to the labelled page. The user will not get stuck in any loops or confusing navigations.	Pass	Teacher Testing. Screenshots.
2	Login and Security.	User should be able to login with Username and Password.	User will input their credentials. If there is a match, they will be taken to the Artist main menu or Staff main menu based on credentials. If incorrect, error message will be displayed.	Pass	Screenshots.
3	Registration of New User (Artist)	User should be able to register a new artist with all relevant data.	User will input all required credentials into the registration form. New user will be created and will be able to log into the system. Error message will show if data is invalid or missing.	Pass	Screenshots.
4	Usage of Artist Main Menu / Staff Main Menu.	Users should be able to understand and use the main menu, which contains all functions for Artists or Staff to use.	All navigation buttons will work and take the user to the labelled page. The user will not get stuck in any loops or confusing navigations.	Pass	Teacher Testing. Screenshots.
5	Creating a Booking.	User should be able to create a new booking with all relevant data.	User will input all required information into the booking creation form. New booking will be created and will be able to be	Pass	Screenshots.

			viewed and modified. Error message will show if data is invalid or missing, or a double booking is detected.		
6	Modifying a Booking.	Users should be able to pick and modify a booking that they've made.	User will be able to see only bookings they have made. They will then be able to pick a booking to modify and will be able to modify it. If they attempt to use any invalid or missing data, show an error message. If they reschedule and the time conflicts with a different booking, show an error message.	Pass	Screenshots.
7	Creating an Invoice.	Users should be able to pick a booking they've made and generate an invoice.	User will be able to see only bookings they have made. They will then be able to pick a booking and an invoice will be generated.	Pass	Screenshots.
8	Deleting Own Account.	Users should be able to delete their own account.	Users should be able to attempt to delete their own account. They will be asked to confirm. If successfully confirmed, account will be deleted from the table. If not successfully confirmed, an error message will be shown.	Pass	Screenshots.
9	Displaying Support Screen.	Users should be able to access the support display.	User will be able to click Support button. This will	Pass	Screenshots.

			display the support screen.		
10	Log Out.	Users should be able to log out.	User will click Log Out button. They will be taken back to the login screen.	Pass	Screenshots.
11	View Artists.	Staff should be able to view a list of registered artists.	Staff member will click View Artists. This will show them a list of all registered artists.	Pass	Screenshots.
12	Modify Users.	Staff should be able to modify registered users (artists).	Staff will choose to modify a customer. They will then be able to pick a customer and press Find to populate the form with the customer info. If they attempt to use any invalid or missing data, show an error message.	Pass	Screenshots.
13	View Bookings / Generate Invoices. (Staff)	Staff should be able to view ALL bookings and generate invoices.	Staff will see all bookings. They will be able to click any one and generate an invoice.	Pass	Screenshots.
14	Add Staff.	Staff should be able to add new staff members.	User will input all required credentials into the registration form. New staff will be created and will be able to log into the system. Error message will show if data is invalid or missing.	Pass	Screenshots.
15	User Log.	Staff should be able to view a log of all user activity.	Staff member will click User Log and see all recent user activity, starting with the most recent.	Pass	

Test Format

In order to test the system to its fullest extent, I have broken each of these test sections down into sub-tests which will eventually demonstrate the action of every piece of code in the project, as well as fully detail every test category I have laid out in the table above.

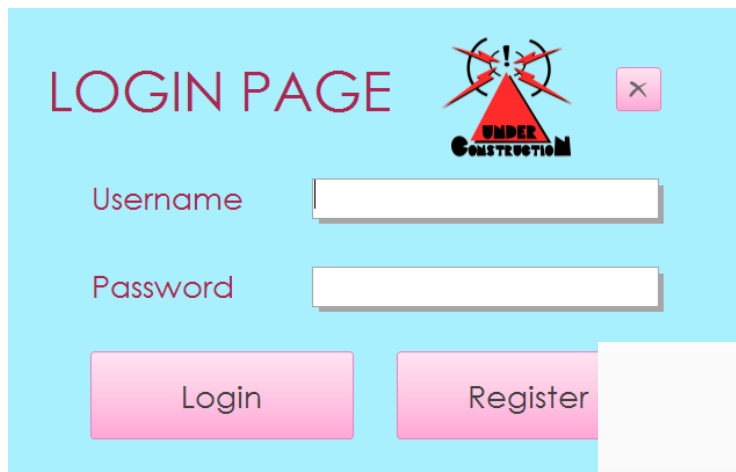
Test 1

The first form a user sees when they load the project is 'Login'.

	<p>This is the login form where either Staff or Artists can log in. It is simply laid out using a colour and font theme that is used throughout the program. It shows a logo for brand identity. The clickable buttons are close ('X'), Login and Register.</p>
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Test 2 (Login, Close Button)

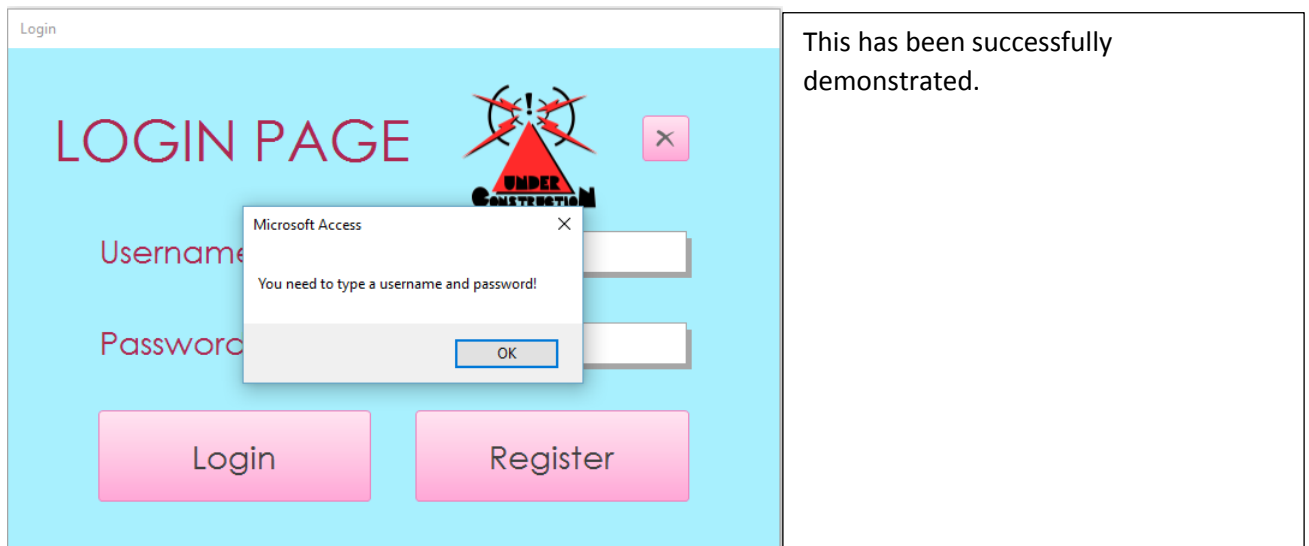
Firstly, I will check what happens when the X button is clicked. It should close the program.



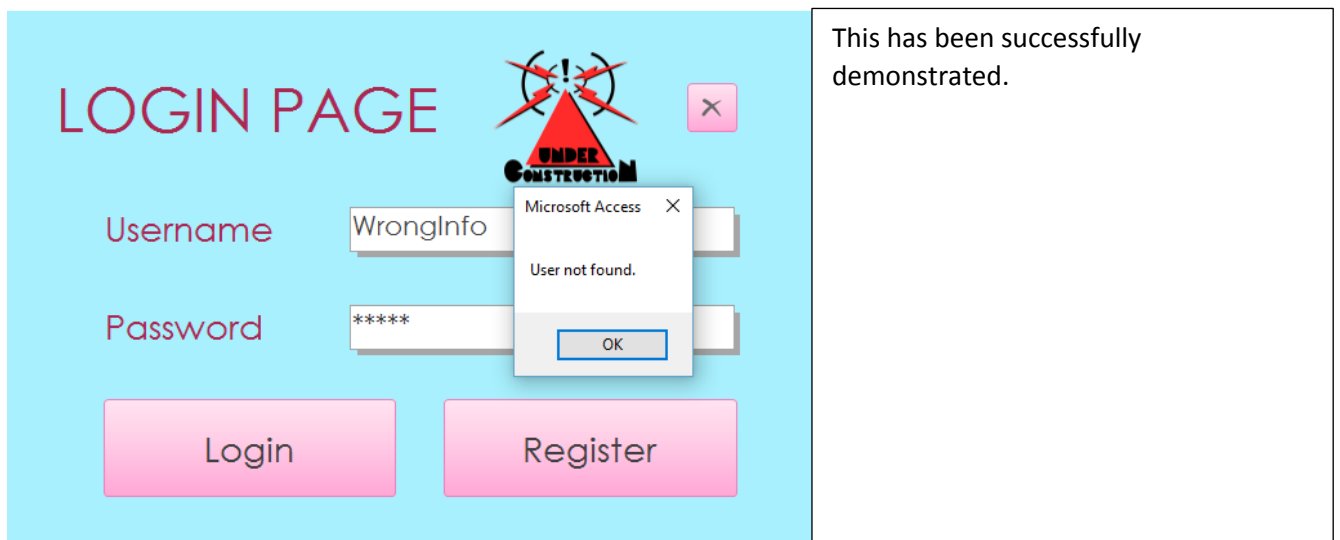
This has successfully closed the program.

Test 3 – 3.4

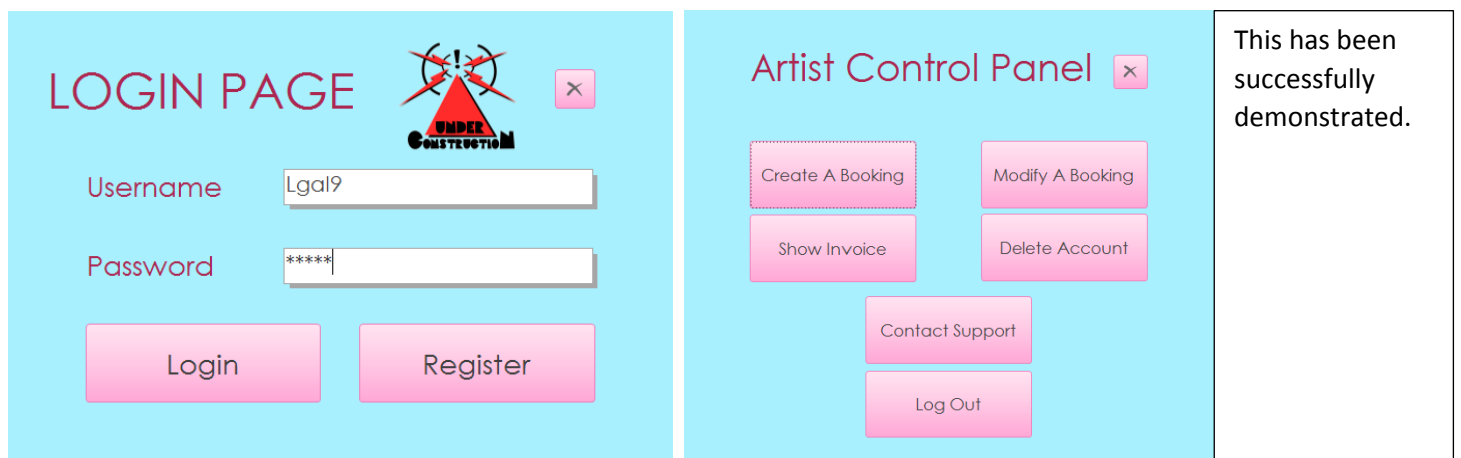
3.1 Next, I will demonstrate the abilities of the login button. Firstly, if a user doesn't enter any data, an error should show this.



3.2 If the user types incorrect data that doesn't match with either staff or artist credentials, an error should show this.




3.3 If the user types data that matches with artist credentials, they should be brought to the artist control panel.



3.4 If the use types data that matches with staff credentials, they should be brought to the staff control panel.

LOGIN PAGE



Username

Jsmith1

Password

Login

Register

Staff Control Panel

View Artists

View Artist Control Panel (Debug)

Log Out

View Bookings / Generate Invoice

Delete Account

Add Staff

User Log

This has been successfully demonstrated.

Test 4

If the user clicks the 'Register' button, they should be taken to the form 'AddUser'.

Register User

*Act Name

*Manager Title

*Manager Name

*Username

*Password

*Re-Type Password

*Email Address

*# Of Members

*Under 18?

☐

Card Details

Card Number

CCV

This has been successfully demonstrated.

Test 5

←

Register User

×

*Act Name

*Manager Title

▼

*Manager Name

*Username

*Password

*Re-Type Password

*Email Address

*# Of Members

*Under 18?

☐

Card Details

Card Number

CCV

Expiry Date

Add User

This is the AddUser form where either staff or artists can register an artist. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are close ('X'), back ('<-') and Add User.

Test 6

If the user clicks the back button, they should be returned to the 'Login' form.

←

Register User

×

*Act Name

*Manager Title

▼

*Manager Name

*Username

This has been successfully demonstrated.

LOGIN PAGE

⚠

UNDER CONSTRUCTION

×

Username

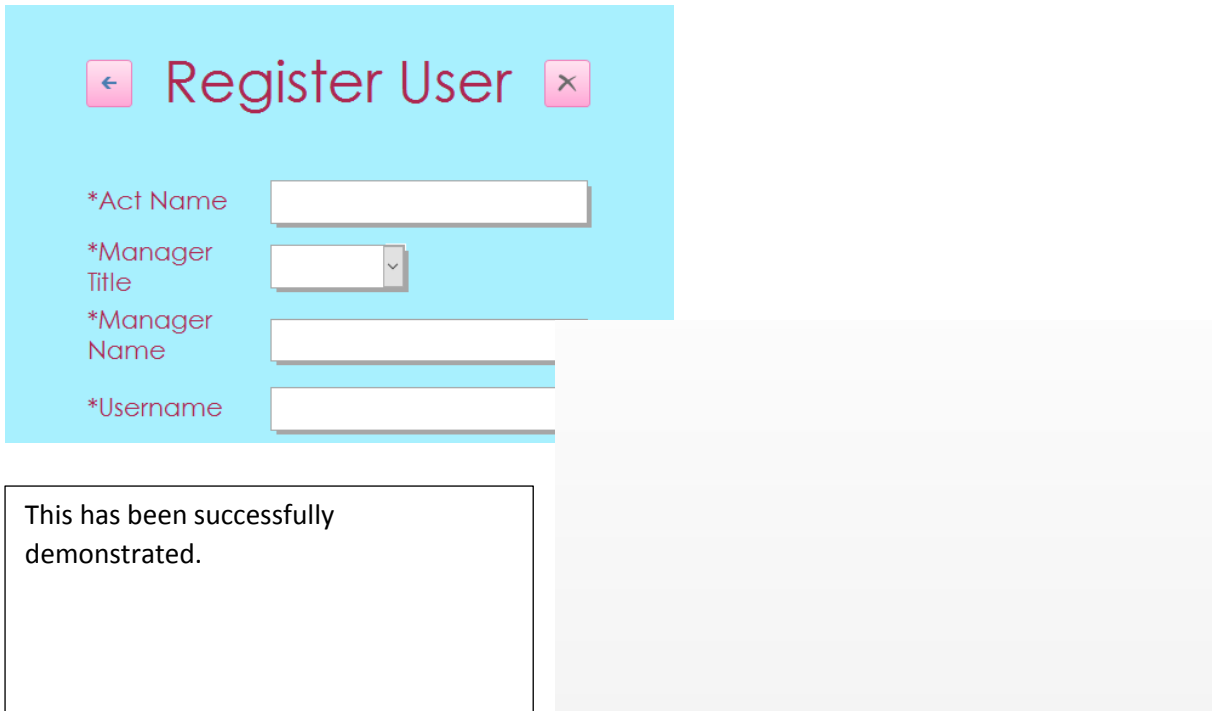
Password

Login

Register

Test 7

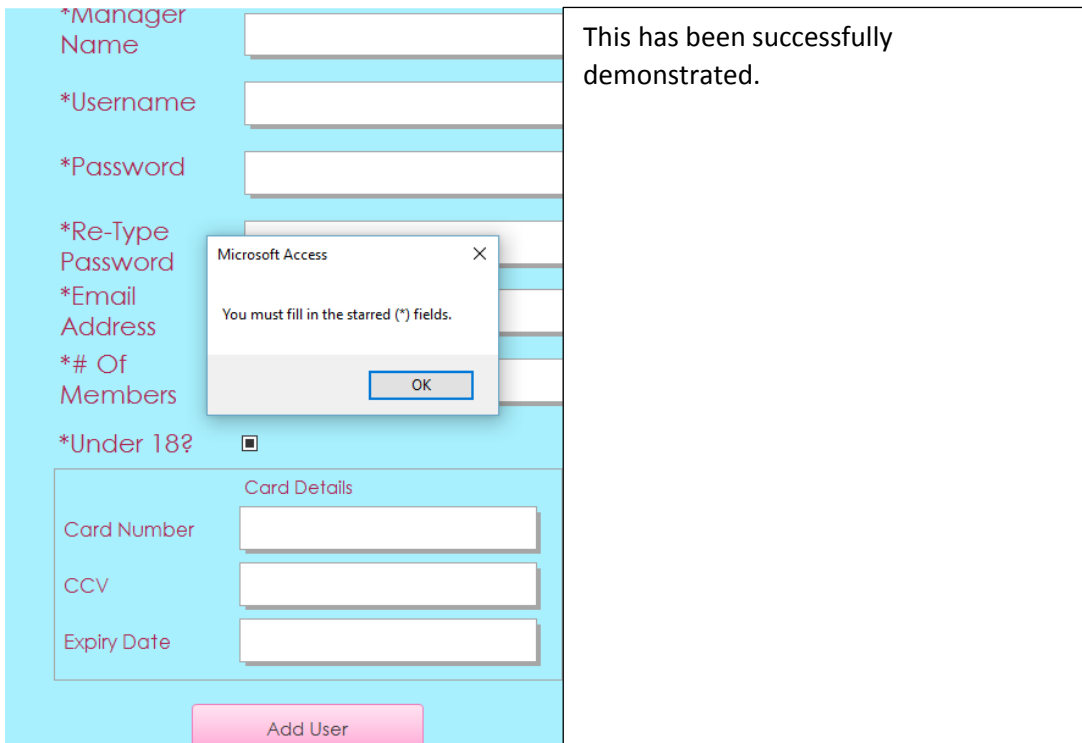
If the user clicks the close button, the register form should close.



The screenshot shows a light blue rectangular form titled "Register User" in a large, dark blue font. To the left of the title is a pink square button with a white left-pointing arrow, and to the right is a pink square button with a white 'X'. Below the title, there are four input fields, each preceded by a red asterisk: "*Act Name" (a text box), "*Manager Title" (a dropdown menu), "*Manager Name" (a text box), and "*Username" (a text box). Below the form, there is a white rectangular box with a black border containing the text "This has been successfully demonstrated." To the right of the form and message box is a large, light gray rectangular area.

Test 8-8.2

8.1 If the user presses the register button with any of the starred fields not filled in, they should be asked to fill in the starred fields.



The screenshot shows a light blue rectangular form with various input fields. The fields are labeled with red asterisks: "*Manager Name", "*Username", "*Password", "*Re-Type Password", "*Email Address", "*# Of Members", and "*Under 18?". Below these is a section titled "Card Details" containing "Card Number", "CCV", and "Expiry Date" fields. At the bottom of the form is a pink button labeled "Add User". Overlaid on the form is a small white dialog box titled "Microsoft Access" with a close button (X) in the top right corner. The dialog box contains the text "You must fill in the starred (*) fields." and an "OK" button. To the right of the form and dialog box is a large white rectangular box containing the text "This has been successfully demonstrated."

8.2 If the user presses the register button with an incorrect password validation, they should be told that the passwords do not match.

The screenshot shows a registration form with the following fields: *Username (Jsmith), *Password (**), *Re-Type Password (*****), *Email Address (j@gmail.com), and *# Of Members (3). A Microsoft Access dialog box is displayed in the center with the message "The two passwords typed do not match." and an OK button. To the right of the form, a text box contains the message "This has been successfully demonstrated."

8.3 If the user presses the register button and all is correct, they should be notified that their data has been added successfully. Their data will be added to the Artists table. They will be returned to the login form.

The screenshot shows the registration form with fields: *Password (*****), *Re-Type Password (*****), *Email Address (john5@gmail.com), *# Of Members (3), and *Under 18? (checkbox). A Microsoft Access dialog box is displayed in the center with the message "New act created with ID 13." and an OK button. Below the form is a text box with the message "This has been successfully demonstrated." To the right is the LOGIN PAGE, which includes a logo with a red 'X' and the text "UNDER CONSTRUCTION", and fields for Username and Password. Below these fields are buttons for Login and Register.

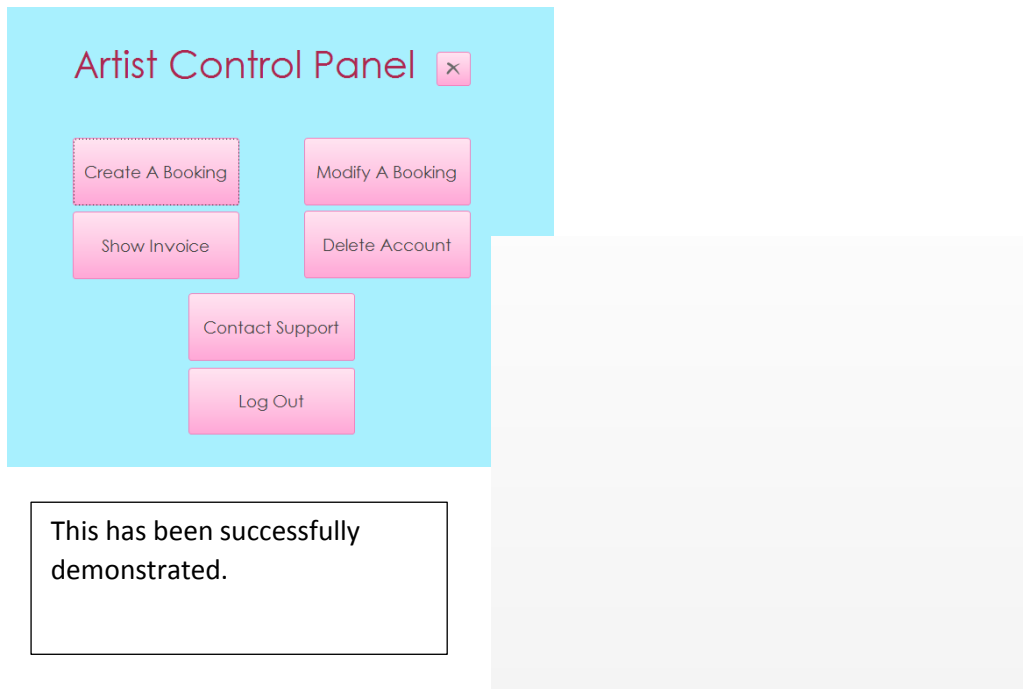
13 John5	John Smith	John555	Axe9000	john5@gmail.com	<input type="checkbox"/>		Mr.	3
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Test 9

The screenshot shows the Artist Control Panel with a close button (X). It contains several buttons: Create A Booking, Modify A Booking, Show Invoice, Delete Account, Contact Support, and Log Out. To the right of the panel, a text box contains the following description: "This is the 'AMain' form which is displayed to artists when they log in. It is simply laid out using a colour and font theme that is used throughout the program. It is a hub which displays the functions which artists can use. The clickable buttons are close ('X'), Create a Booking, Modify a Booking, Show Invoice Delete Account, Contact Support and Log Out."

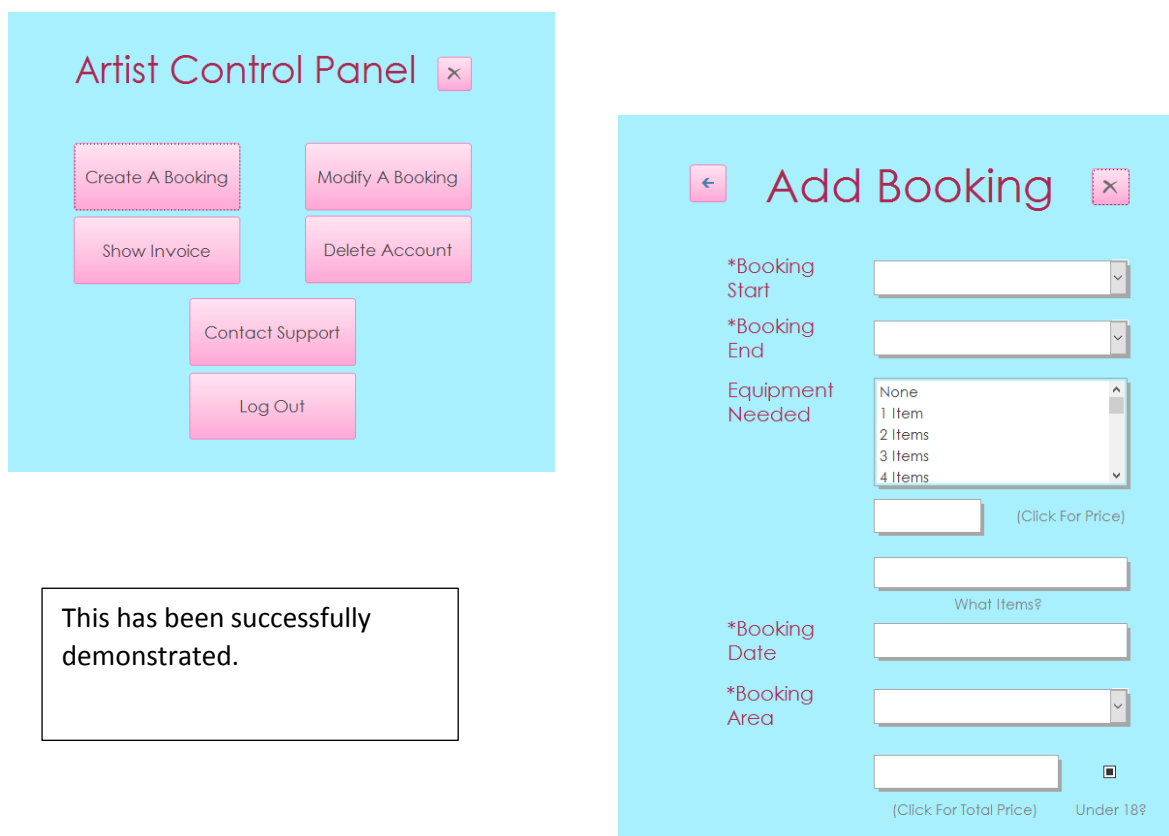
Test 10

If the user clicks the close button, the artist control panel form should close.



Test 11

If the user clicks the create a booking button, they should be taken to the AddBooking form.



Test 12

If the user clicks the Modify a Booking button, they should be taken to the 'ModifyBooking' form.

Artist Control Panel

Create A Booking

Modify A Booking

Show Invoice

Delete Account

Contact Support

Log Out

This has been successfully demonstrated.

Select Booking to Modify

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
-----------	--------------	------------	-------------	---------------	------

Modify

(Booking ID)

Test 13

If the user clicks the Show Invoice button, they should be taken to the 'BookingInfo' Form.

Artist Control Panel

Create A Booking

Modify A Booking

Show Invoice

Delete Account

Contact Support

Log Out

This has been successfully demonstrated.

Booking Information

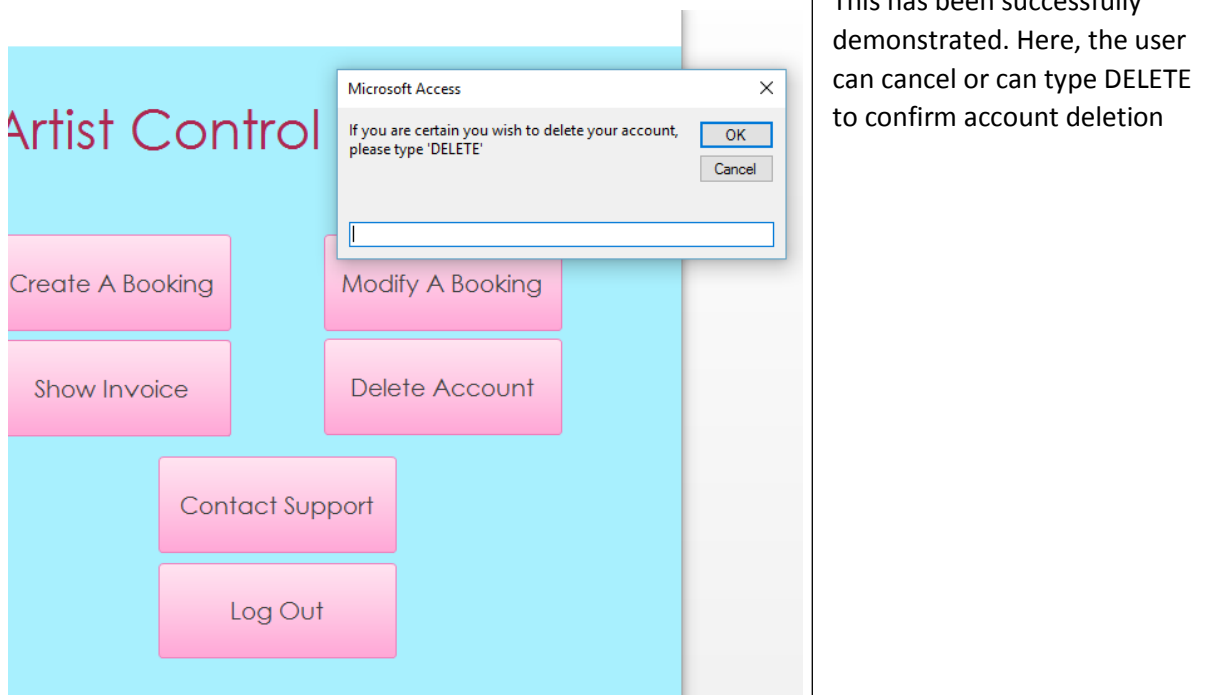
BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
-----------	--------------	------------	-------------	---------------	------

Show Invoice

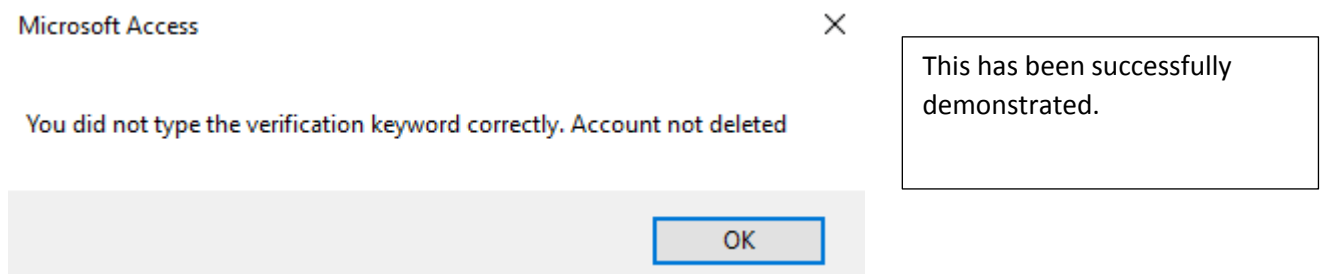
(Booking ID)

Test 14 – 14.4

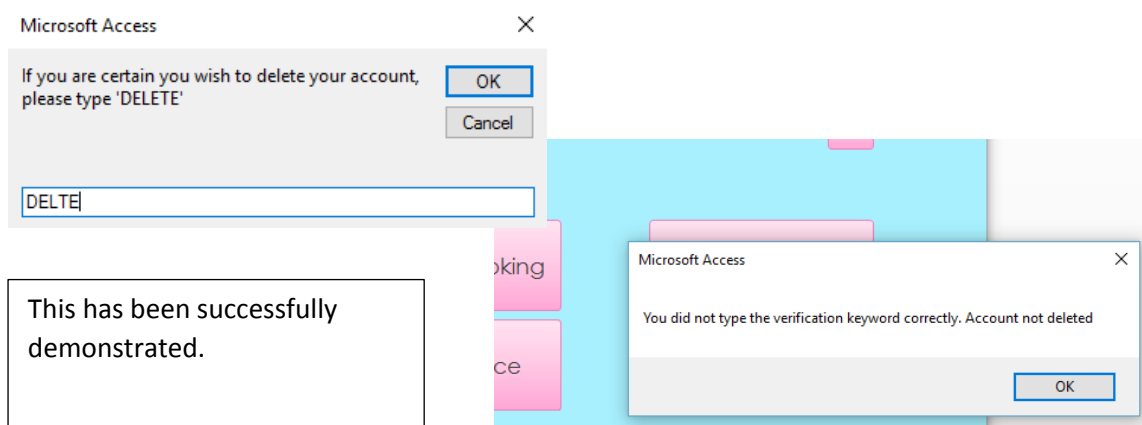
14.1 If the user clicks the Delete Account button, they should be given a pop-up box which gives them the option to delete their account.



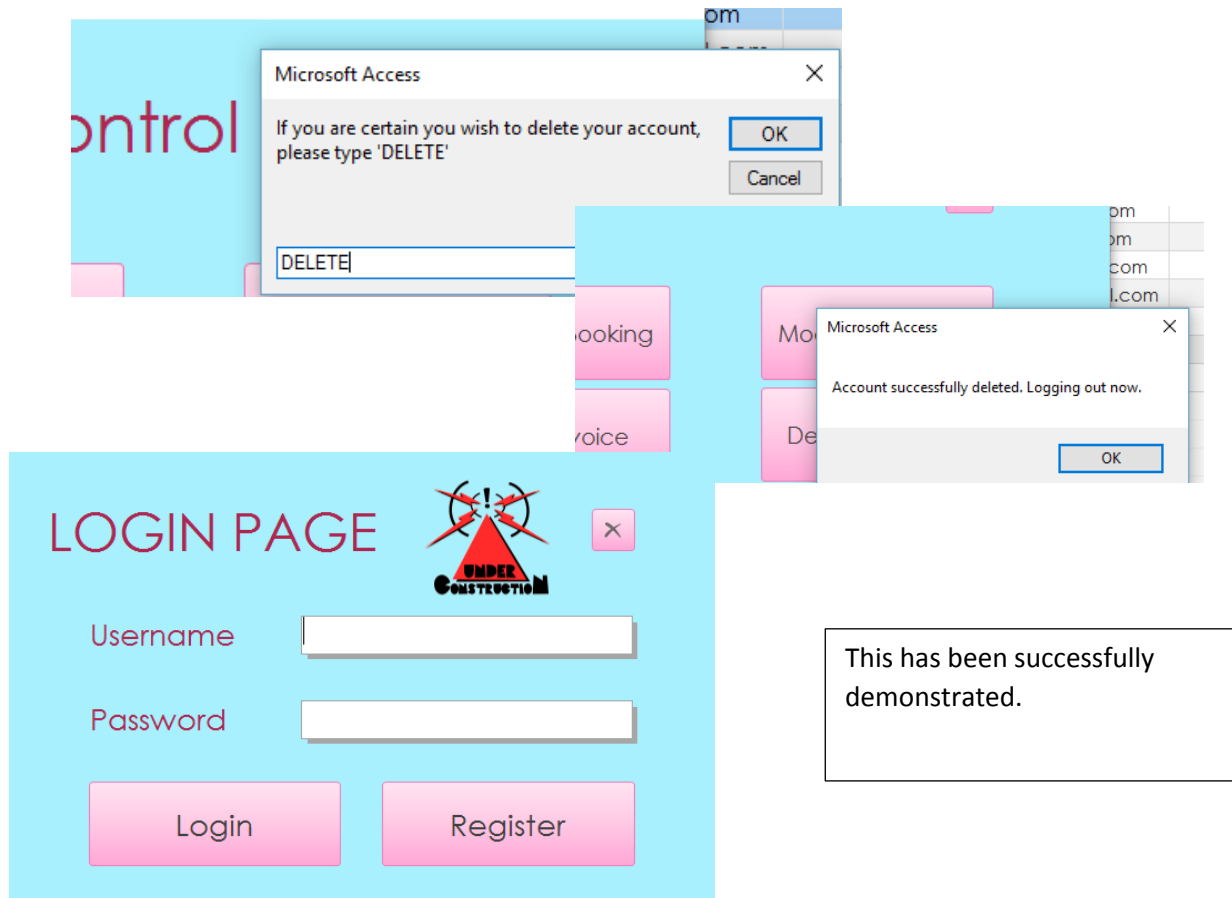
14.2 If the user presses cancel, they should be told that their account has not been deleted and the delete box should close.



14.3 If a user types the incorrect keyword and presses ok, they should be told that their account has not been deleted and the delete box should close.

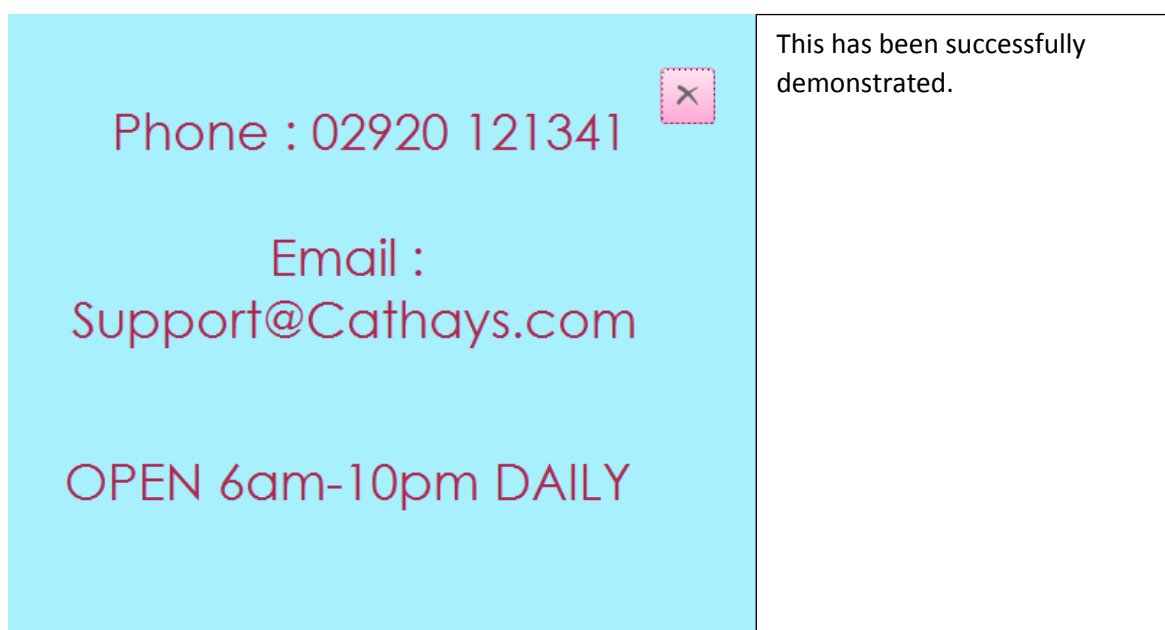


14.4 If the user types DELETE and presses ok, the account will be deleted and the user logged off and returned to the login form.



Test 15

When the user presses the Contact Support, they should be taken to the 'Support' form.



Test 16

When the user presses Log Out, the Artist Control Panel form should close and the user should be taken to the login form.

The image shows two overlapping windows from a software application. The 'Artist Control Panel' window is in the background, featuring a light blue header with the title and a close button. It contains several pink buttons: 'Create A Booking', 'Modify A Booking', 'Show Invoice', 'Delete Account', 'Contact Support', and 'Log Out'. The 'Log Out' button is highlighted with a red dashed border. In the foreground, the 'LOGIN PAGE' window is open, also with a light blue header and a close button. It includes a logo with a red triangle and the text 'UNDER CONSTRUCTION'. Below the header are input fields for 'Username' and 'Password', and two pink buttons labeled 'Login' and 'Register'. A white text box at the bottom left of the Artist Control Panel contains the text: 'This has been successfully demonstrated.'

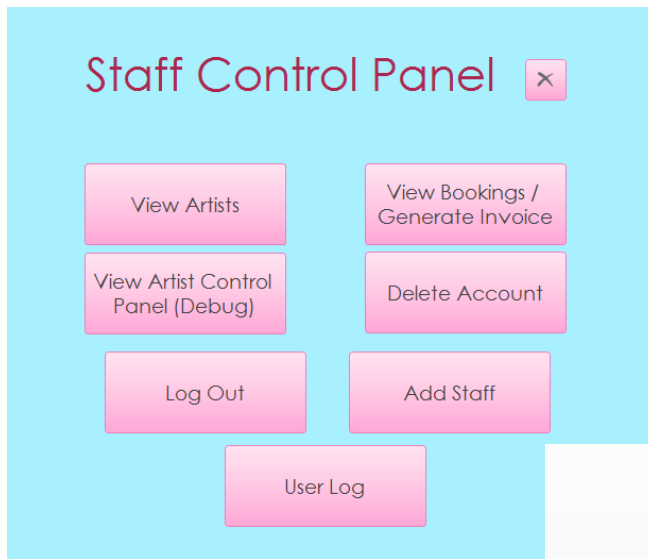
Test 17

The image shows a 'Staff Control Panel' window with a light blue header and a close button. It contains several pink buttons: 'View Artists', 'View Bookings / Generate Invoice', 'View Artist Control Panel (Debug)', 'Delete Account', 'Log Out', 'Add Staff', and 'User Log'. The 'View Artist Control Panel (Debug)' button is highlighted with a red dashed border.

This is the 'SMain' form which is displayed to staff when they log in. It is simply laid out using a colour and font theme that is used throughout the program. It is a hub which displays the functions which staff can use. The clickable buttons are close ('X'), View Artists, View Bookings / Generate Invoice, View Artist Control Panel (Debug), Delete Account, Log Out, Add Staff and User Log.

Test 18

When staff press the close ('X') button, the form should close.

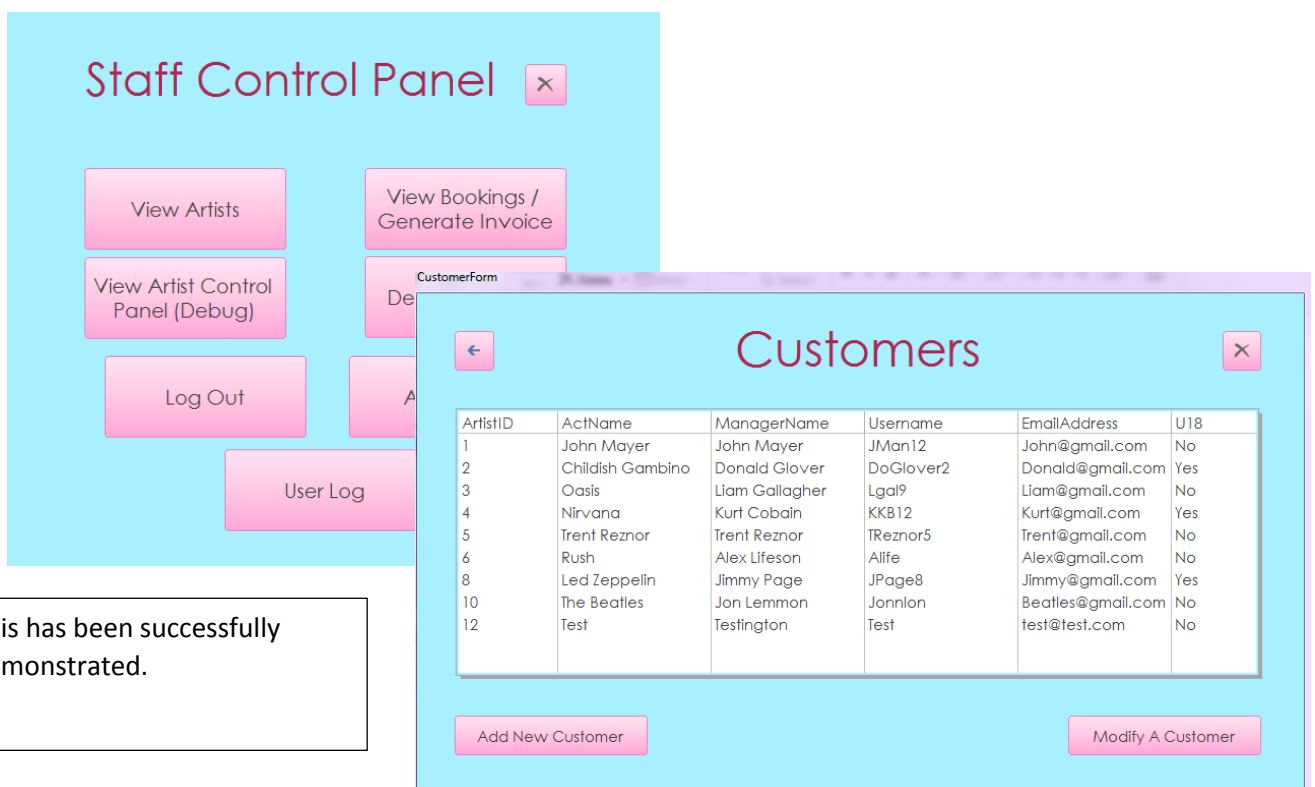


The Staff Control Panel form has a light blue background and a title bar with the text "Staff Control Panel" and a close button (X). The form contains several buttons: "View Artists", "View Bookings / Generate Invoice", "View Artist Control Panel (Debug)", "Delete Account", "Log Out", "Add Staff", and "User Log".

This has been successfully demonstrated.

Test 19

When staff press the 'View Artists' button, they should be taken to the CustomerForm form.



The Staff Control Panel form is shown in the background with the "View Artists" button highlighted. In the foreground, the "Customers" form is displayed. The "Customers" form has a light blue background and a title bar with the text "Customers" and a close button (X). It contains a table with the following data:

ArtistID	ActName	ManagerName	Username	EmailAddress	U18
1	John Mayer	John Mayer	JMan12	John@gmail.com	No
2	Childish Gambino	Donald Glover	DoGlover2	Donald@gmail.com	Yes
3	Oasis	Liam Gallagher	Lgal9	Liam@gmail.com	No
4	Nirvana	Kurt Cobain	KKB12	Kurt@gmail.com	Yes
5	Trent Reznor	Trent Reznor	TReznor5	Trent@gmail.com	No
6	Rush	Alex Lifeson	Alife	Alex@gmail.com	No
8	Led Zeppelin	Jimmy Page	JPage8	Jimmy@gmail.com	Yes
10	The Beatles	Jon Lemmon	Jonnlon	Beatles@gmail.com	No
12	Test	Testington	Test	test@test.com	No

Below the table, there are two buttons: "Add New Customer" and "Modify A Customer".

This has been successfully demonstrated.

Test 20

When staff press the 'View Bookings / Generate Invoice' button, they should be taken to the BookingInfoStaff form.

Staff Control Panel

View Artists

View Bookings / Generate Invoice

View Artist Control Panel (Debug)

Delete Account

Log Out

Add Staff

User Log

BookingInfoStaff

Booking Information

ArtistID	ActName	Username	BookingID	BookingStart	BookingEnd	BookingDate	TotalCost
1	John Mayer	JMan12	1	09:00:00	14:00:00	09/02/2018	£22.00
2	Childish Gambi	DoGlover2	42	08:00:00	10:00:00	18/01/2018	£14.00
3	Oasis	Lgal9	2	07:00:00	10:00:00	13/10/2017	£26.00
3	Oasis	Lgal9	45	10:00:00	13:00:00	25/01/2018	£14.00
3	Oasis	Lgal9	69	08:00:00	11:00:00	07/02/2018	£16.00
3	Oasis	Lgal9	71	08:00:00	11:00:00	17/03/2018	£20.00
3	Oasis	Lgal9	72	07:00:00	10:00:00	02/03/2018	£20.00
4	Nirvana	KKB12	3	03:00:00	06:00:00	13/10/2017	£9.00
4	Nirvana	KKB12	81	07:00:00	09:00:00	13/04/2018	£8.00
5	Trent Reznor	TReznor5	43	11:00:00	15:00:00	13/01/2018	£22.00
12	Test	Test	79	08:00:00	10:00:00	15/03/2018	£10.00

Show Invoice

This has been successfully demonstrated.

Test 21

When staff press the 'View Artist Control Panel (Debug)' button, they should be brought to the artist control panel. (Note that this dimension of the artist control panel will not be tested because it is essentially the same as the tested one).

Staff Control Panel

View Artists

View Bookings / Generate Invoice

View Artist Control Panel (Debug)

Delete Account

Log Out

Add Staff

User Log

AMain

Artist Control Panel

Create A Booking

Modify A Booking

Show Invoice

Delete Account

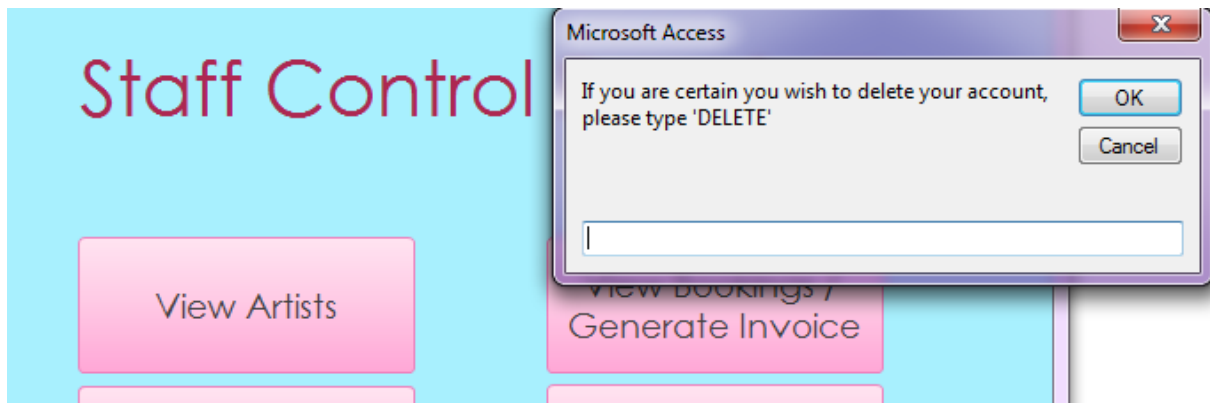
Contact Support

Log Out

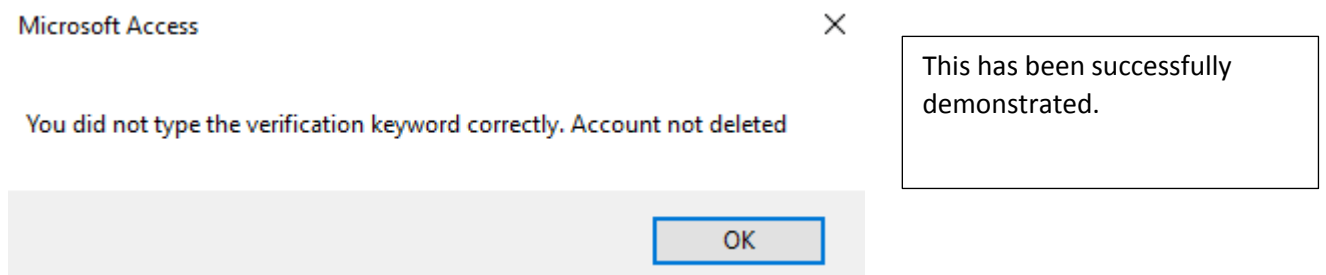
This has been successfully demonstrated.

Test 22 – 22.4

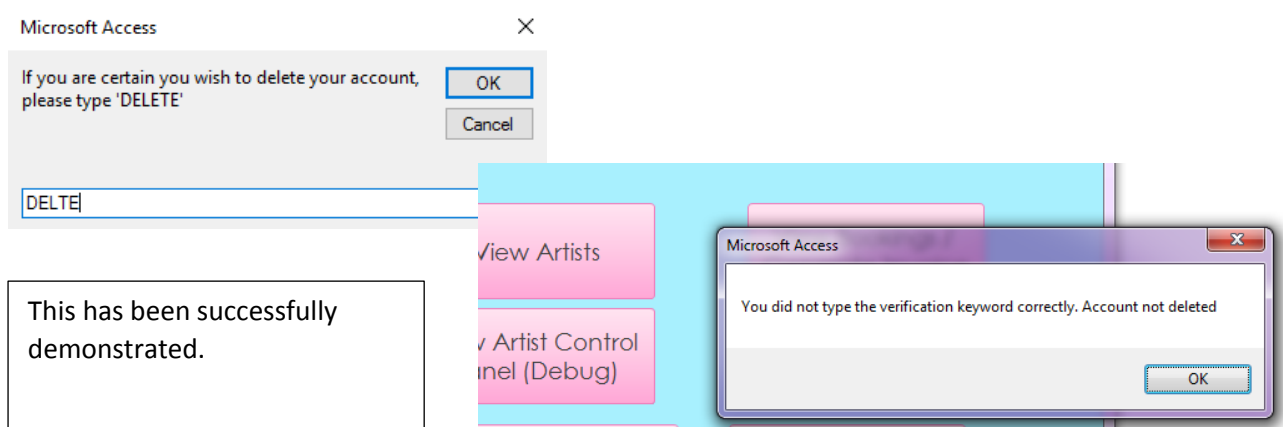
22.1 If the user clicks the Delete Account button, they should be given a pop-up box which gives them the option to delete their account.



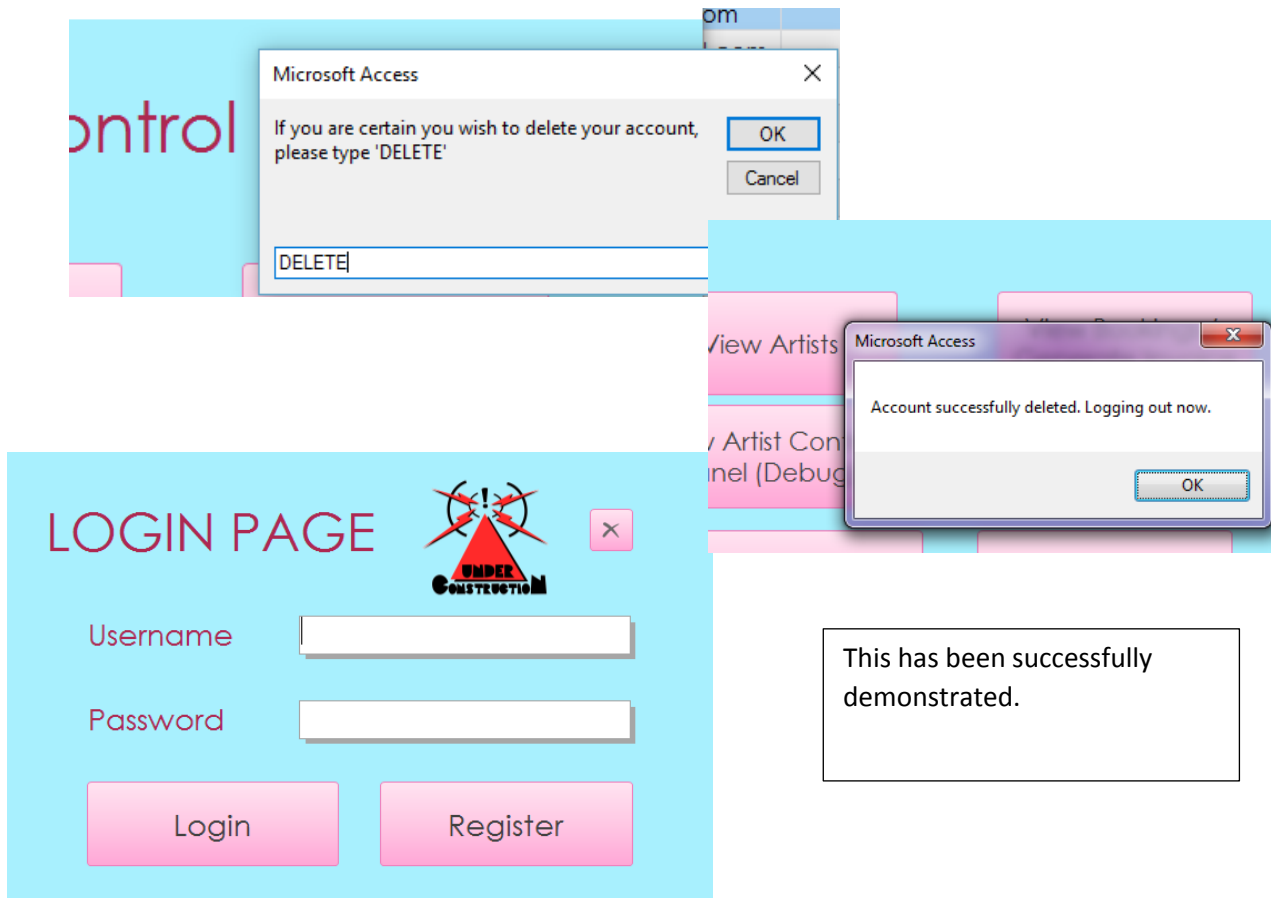
22.2 If the user presses cancel, they should be told that their account has not been deleted and the delete box should close.



22.3 If a user types the incorrect keyword and presses ok, they should be told that their account has not been deleted and the delete box should close.

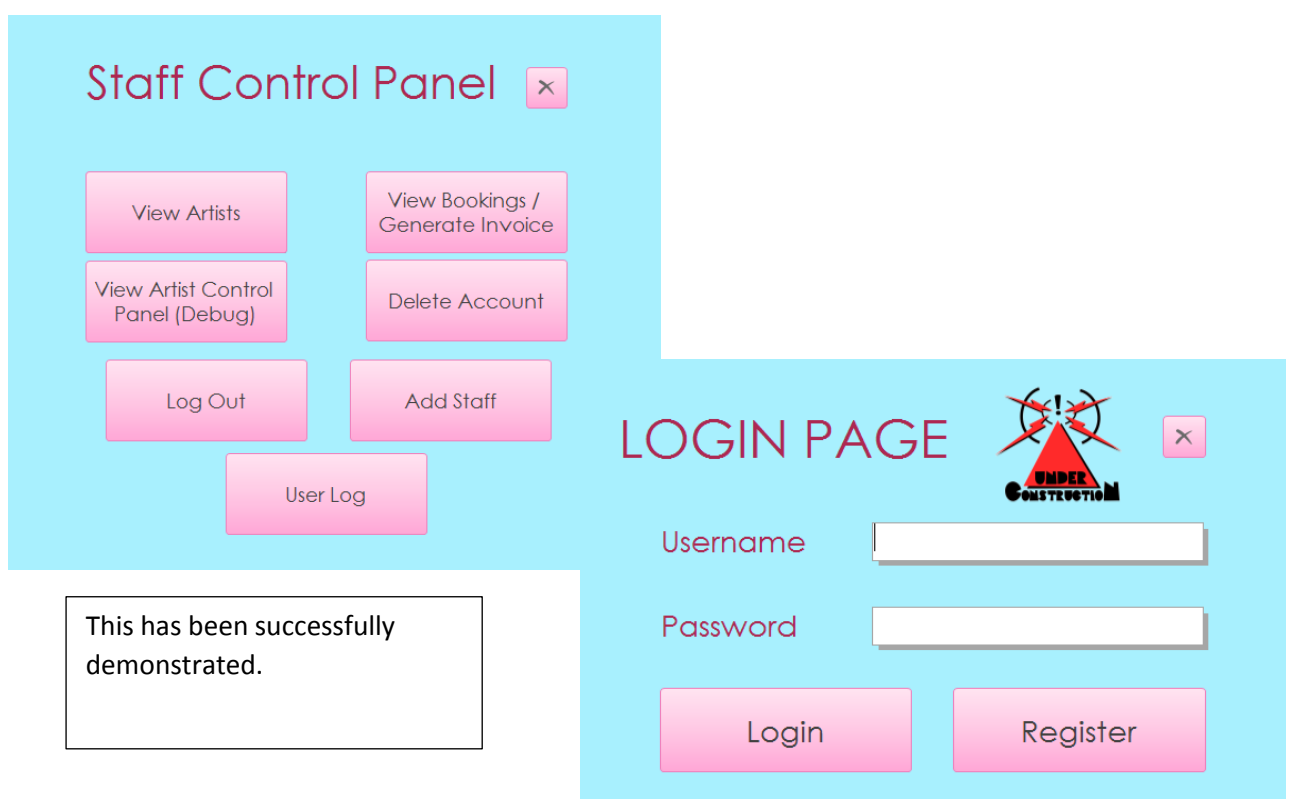


22.4 If the user types DELETE and presses ok, the account will be deleted, and the user logged off and returned to the login form.



Test 23

If the staff presses Log Out, the Staff Control Panel form should close, and they should be taken to the login form.



Test 24

If the staff presses the 'Add Staff' button, they should be taken to the 'AddStaff' Form.

Staff Control Panel

View Artists

View Artist Control Panel (Debug)

Log Out

View Bookings / Generate Invoice

Delete Account

Add Staff

User Log

Register Staff

*Staff Full Name

*Staff Title

*Username

*Password

*Re-Type Password

*Email Address

*Date of Birth

Add User

This has been successfully demonstrated.

Test 25

If the staff presses the 'User Log' button, they should be taken to the 'UserLog' Form.

Staff Control Panel

View Artists

View Artist Control Panel (Debug)

Log Out

View Bookings / Generate Invoice

Delete Account

Add Staff

User Log

User Log

Timestamp	Username	UserActivity
22/04/2018 19:56:55	↑	Logged In
22/04/2018 19:56:50		Created Staff Login
17/04/2018 14:49:05	John555	Logged Out
17/04/2018 14:33:40	John555	Logged In
17/04/2018 14:33:29	Jsmith1	Logged In
17/04/2018 14:33:12	Jsmith1	Logged Out
17/04/2018 13:34:24	Jsmith1	Logged In
17/04/2018 13:24:06	LGai9	Logged In
17/04/2018 13:09:26	KKB12	Logged In
17/04/2018 12:58:19	KKB12	Generated Invoice
17/04/2018 12:57:54	KKB12	Created Booking
17/04/2018 12:57:25	KKB12	Logged In
08/04/2018 16:39:21		Logged Out
08/04/2018 16:27:59	LGai9	Logged Out
18/03/2018 15:50:43	LGai9	Logged Out
18/03/2018 15:50:41	LGai9	Logged In

This has been successfully demonstrated.

Test 26

← Add Booking ×

*Booking Start

*Booking End

Equipment Needed
1 Item
2 Items
3 Items
4 Items

(Click For Price)

What Items?

*Booking Date

*Booking Area

(Click For Total Price) ☐ Under 18?

This is the 'Add Booking' form, which can be used to make a booking. It contains back (<-), close (X) and 'Create Bookings' buttons. It is simply laid out using a colour and font theme that is used throughout the program.

Test 27

When the user presses the close ('X') button, the form should close.

← Add Booking ×

*Booking Start

*Booking End

Equipment Needed
1 Item
2 Items
3 Items
4 Items

(Click For Price)

What Items?

*Booking Date

*Booking Area

(Click For Total Price) ☐ Under 18?

This has been successfully demonstrated.

Test 28

When the user presses the back button, they should be taken back to the Artist Control Panel.

The 'Add Booking' form is displayed on a light blue background. It features a back button (left arrow) and a close button (X) at the top. The form includes several input fields: '*Booking Start', '*Booking End', 'Equipment Needed' (a dropdown menu with options: None, 1 Item, 2 Items, 3 Items, 4 Items), a price field with a '(Click For Price)' link, a 'What Items?' field, '*Booking Date', '*Booking Area', and a total price field with a '(Click For Total Price)' link and a checkbox for 'Under 18?'.

This has been successfully demonstrated.

The 'Artist Control Panel' is displayed on a light blue background. It features a close button (X) at the top right. The panel contains several buttons: 'Create A Booking', 'Modify A Booking', 'Show Invoice', 'Delete Account', 'Contact Support', and 'Log Out'.

Test 29 – 29.4

29.1 If the user has failed to fill in any of the specified starred boxes, they should get an error stating this.

The 'Add Booking' form is shown with a Microsoft Access error dialog box overlaid. The dialog box contains the text: 'Sorry, you must fill in the starred boxes.' and an 'OK' button. The form fields are partially visible behind the dialog box.

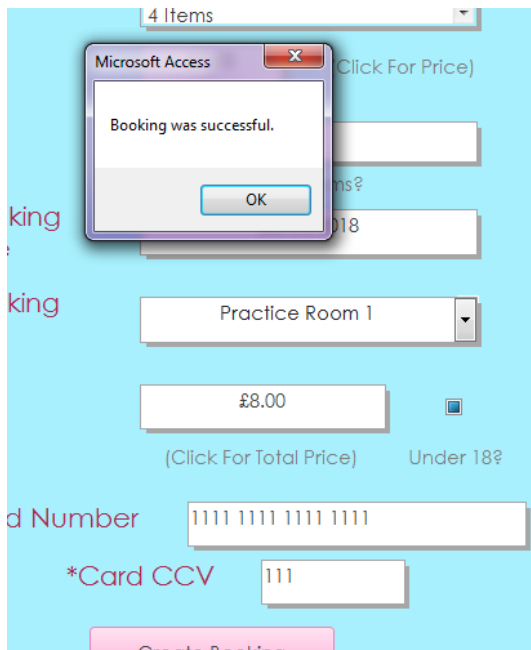
This has been successfully demonstrated.

29.2 If the user has entered a card number and CCV which doesn't match the saved credentials, they should get an error stating this.

This has been successfully demonstrated.

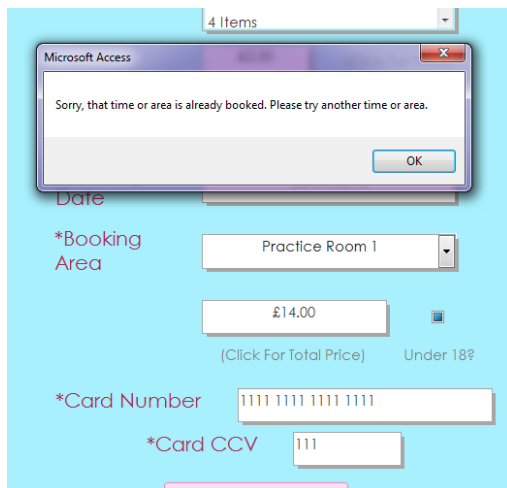
The 'Add Booking' form is shown with a Microsoft Access error dialog box overlaid. The dialog box contains the text: 'Incorrect card security code or card number.' and an 'OK' button. The form fields are partially visible behind the dialog box. The form includes fields for '*Card Number' (913298213829832983) and '*Card CCV' (323).

29.3 If the user has filled in everything correctly, they should have a successful booking which is added to the table / visible from their bookings view. A success message should be shown. The create booking form should close.



This has been successfully demonstrated.

29.4 Lastly, if the user's attempted booking conflicts with one already made (attempted double booking), an error message should be shown.



This has been successfully demonstrated.

Test 30

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

This is the 'Modify Booking' form. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are back (<-), close (X) and Modify. The list is also clickable, so the user can pick a booking.

Test 31

When the user presses the close ('X') button, the form should close.

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

This has been successfully demonstrated.

Test 32

When the user presses the back button, they should be taken back to the Artist Control Panel.

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

This has been successfully demonstrated.

Artist Control Panel

Create A Booking

Modify A Booking

Show Invoice

Delete Account

Contact Support

Log Out

Test 33

When the user presses a booking item in the list, the ID should appear in the textbox below.

Select Booking to Modify

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

This has been successfully demonstrated.

Test 34 – 34.4

34.1 If the user tries to press 'Modify' without selecting a booking, they should receive an error message.

Select Booking to Modify

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

Microsoft Access
You must select a booking to modify.
OK

This has been successfully demonstrated.

34.2 If the user presses 'Modify' with a booking selected, they should be taken to the 'ModifyBooking_p2' form – their chosen booking data should be filled in automatically.

Select Booking to Modify

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	09:00:00	23/04/2018		Practice Room 1

(Booking ID)

Modify

Modify Booking

*Booking Start: 07:00 AM
*Booking End: 09:00 AM
Equipment Needed: None
(Click For Price)
What Items?
*Booking Date: 23/04/2018
*Booking Area: Practice Room 1
(Click For New Price) Under 18p
Modify Booking

This has been successfully demonstrated.

34.3 If the user tries to modify the booking and the new date/time conflicts with another booking, they should be shown an error.

←

Modify Booking

×

*Booking Start

07:00 AM

▼

*Booking End

09:00 AM

▼

Equipment Needed

None

1 Item

2 Items

3 Items

4 Items

▲

*Booking Date

09/03/2018

*Booking Area

Main Hall

▼

£8.00

Under 18?

(Click for New Price)

Modify Booking

Microsoft Access

×

Sorry, that time or area is already booked. Please try another time or area.

OK

This has been successfully demonstrated.

34.4 If the user fills in every field appropriately, they should get a success message and be returned to the Artist Control Panel. The ‘Bookings’ table will be updated.

←

Modify Booking

×

*Booking Start

07:00 AM

▼

*Booking End

08:00 AM

▼

Equipment Needed

None

1 Item

2 Items

3 Items

4 Items

▲

*Booking Date

24/03/2018

*Booking Area

Main Hall

▼

£12.00

Under 18?

(Click for New Price)

Modify Booking

Microsoft Access

×

Booking Successfully Modified

OK

This has been successfully demonstrated.

Test 35



The screenshot shows the 'Booking Information' form. It has a light blue header with a back button (left arrow) and a close button (X). Below the header is a table with the following data:


BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	08:00:00	24/03/2018		Main Hall

Below the table is a text input field labeled '(Booking ID)' and a 'Show Invoice' button.

This is the 'BookingInfo' form. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are back (<-), close (X) and Show Invoice. The list is also clickable, so the user can pick a booking.

Test 36

When the user presses the back button, they should be taken back to the Artist Control Panel.



The screenshot shows two overlapping windows. The 'Booking Information' window is in the background, showing the same table as in Test 35. The 'Artist Control Panel' window is in the foreground, showing a list of buttons: 'Create A Booking', 'Modify A Booking', 'Show Invoice', 'Delete Account', 'Contact Support', and 'Log Out'. A text box in the bottom left corner states: 'This has been successfully demonstrated.'

Test 37

When the user presses the close button, the form should close.



The screenshot shows the 'Booking Information' form, identical to the one in Test 35. It includes the back button, close button, table of bookings, and the 'Show Invoice' button.

This has been successfully demonstrated.

Test 38

When the user presses a booking item in the list, the ID should appear in the textbox below.

The screenshot shows a 'Booking Information' screen with a table of bookings. The table has columns: BookingID, BookingStart, BookingEnd, BookingDate, EquipmentLend, and Area. The row with BookingID 82 is highlighted. Below the table, there is a text input field containing '82' and a 'Show Invoice' button.

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	08:00:00	24/03/2018		Main Hall

82
(Booking ID)

Show Invoice

This has been successfully demonstrated.

Test 39 – 39.2

39.1 If the user tries to press 'Show Invoice' without selecting a booking, they should receive an error message.

The screenshot shows the 'Booking Information' screen with a table of bookings. A dialog box titled 'Microsoft Access' is displayed in the center, with the message 'Please choose a booking to view.' and an 'OK' button.

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	08:00:00	24/03/2018		Main Hall

(Booking ID)

Show Invoice

This has been successfully demonstrated.

39.2 If the user presses 'Show Invoice' with a chosen booking, they should be presented with an invoice for that booking. The BookingInformation form should close.

The screenshot shows the 'Booking Information' screen with a table of bookings. The row with BookingID 82 is highlighted. Below the table, there is a text input field containing '82' and a 'Show Invoice' button.

BookingID	BookingStart	BookingEnd	BookingDate	EquipmentLend	Area
79	08:00:00	10:00:00	15/03/2018		Practice Room 1
80	08:00:00	10:00:00	17/03/2018		Main Hall
82	07:00:00	08:00:00	24/03/2018		Main Hall

82
(Booking ID)

Show Invoice

This has been successfully demonstrated.

The screenshot shows a 'Booking Invoice' screen. It displays the following information: Booking ID: 82, Price Category: Self-Served, Booking Duration: 1 hour, Booking Date: 24/03/2018, Booking Area: Main Hall, Equipment Borrowed: (empty field). The total cost is £12.00. There is a 'Paid?' checkbox. A red 'UNDER CONSTRUCTION' sign is visible in the background.

Booking ID: 82

Price Category: Self-Served

Booking Duration: 1 hour

Booking Date: 24/03/2018

Booking Area: Main Hall

Equipment Borrowed:

Total Cost: £12.00 Paid? ☐

24/04/2018 12:39:32

Test 40

ArtistID	ActName	Username	BookingID	BookingStart	BookingEnd	BookingDate	TotalCost
1	John Mayer	JMan12	1	09:00:00	14:00:00	09/02/2018	£20.00
2	Childish Gambi	DoGlover2	42	08:00:00	10:00:00	18/01/2018	£14.00
3	Oasis	Lgal9	2	07:00:00	10:00:00	13/10/2017	£26.00
3	Oasis	Lgal9	45	10:00:00	13:00:00	25/01/2018	£14.00
3	Oasis	Lgal9	69	08:00:00	11:00:00	07/02/2018	£16.00
3	Oasis	Lgal9	71	08:00:00	11:00:00	17/03/2018	£20.00
3	Oasis	Lgal9	72	07:00:00	10:00:00	02/03/2018	£20.00
4	Nirvana	KKB12	3	03:00:00	06:00:00	13/10/2017	£9.00
4	Nirvana	KKB12	81	07:00:00	09:00:00	13/04/2018	£8.00
5	Trent Reznor	TReznor5	43	11:00:00	15:00:00	13/01/2018	£22.00
12	Test	Test	79	08:00:00	10:00:00	15/03/2018	£10.00

This is the 'BookingInfoStaff' form. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are back (<-), close ('X') and Show Invoice.

Test 41

When the user presses the back button, they should be taken back to the Staff Control Panel.

Staff Control Panel

View Artists

View Bookings / Generate Invoice

View Artist Control Panel (Debug)

Delete Account

Log Out

Add Staff

User Log

This has been successfully demonstrated.

Test 42

When the user presses the close button, the form should close.

This has been successfully demonstrated.

Test 43

When the user presses a booking item in the list, the ID should appear in the textbox below.



Booking Information

BookingID	ActName	Username	ArtistID	BookingStart	BookingEnd	BookingDate	TotalCost
1	John Mayer	JMan12	1	09:00:00	14:00:00	09/02/2018	£20.00
42	Childish Gambino	DoGlover2	2	08:00:00	10:00:00	18/01/2018	£14.00
2	Oasis	Lgal9	3	07:00:00	10:00:00	13/10/2017	£26.00
45	Oasis	Lgal9	3	10:00:00	13:00:00	25/01/2018	£14.00
69	Oasis	Lgal9	3	08:00:00	11:00:00	07/02/2018	£16.00
71	Oasis	Lgal9	3	08:00:00	11:00:00	17/03/2018	£20.00
72	Oasis	Lgal9	3	07:00:00	10:00:00	02/03/2018	£20.00
3	Nirvana	KKB12	4	03:00:00	06:00:00	13/10/2017	£9.00
81	Nirvana	KKB12	4	07:00:00	09:00:00	13/04/2018	£8.00
43	Trent Reznor	TReznor5	5	11:00:00	15:00:00	13/01/2018	£22.00
79	Test	Test	12	08:00:00	10:00:00	15/03/2018	£10.00

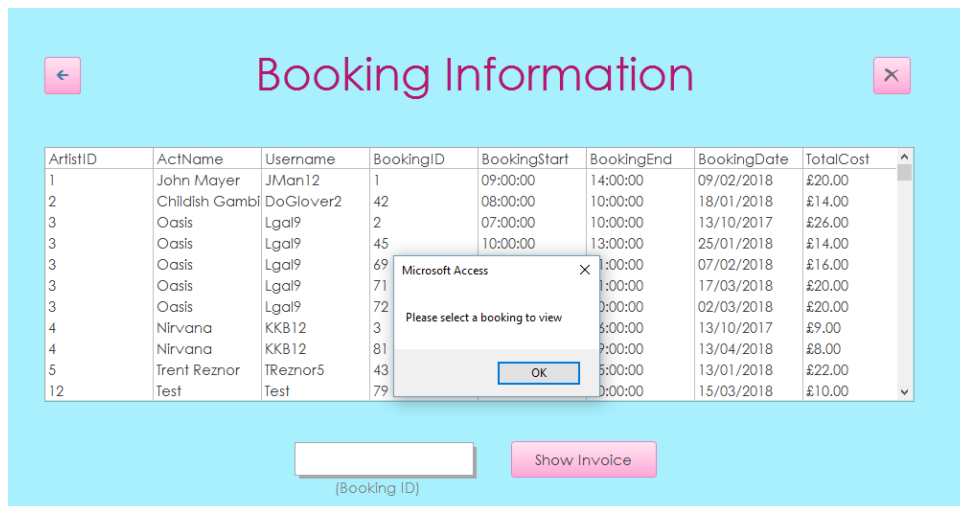
1
(Booking ID)

Show Invoice

This has been successfully demonstrated.

Test 44 – 44.2

44.1 If the user tries to press 'Show Invoice' without selecting a booking, they should receive an error message.



Booking Information

ArtistID	ActName	Username	BookingID	BookingStart	BookingEnd	BookingDate	TotalCost
1	John Mayer	JMan12	1	09:00:00	14:00:00	09/02/2018	£20.00
2	Childish Gambino	DoGlover2	42	08:00:00	10:00:00	18/01/2018	£14.00
3	Oasis	Lgal9	2	07:00:00	10:00:00	13/10/2017	£26.00
3	Oasis	Lgal9	45	10:00:00	13:00:00	25/01/2018	£14.00
3	Oasis	Lgal9	69	08:00:00	11:00:00	07/02/2018	£16.00
3	Oasis	Lgal9	71	08:00:00	11:00:00	17/03/2018	£20.00
3	Oasis	Lgal9	72	07:00:00	10:00:00	02/03/2018	£20.00
4	Nirvana	KKB12	3	03:00:00	06:00:00	13/10/2017	£9.00
4	Nirvana	KKB12	81	07:00:00	09:00:00	13/04/2018	£8.00
5	Trent Reznor	TReznor5	43	11:00:00	15:00:00	13/01/2018	£22.00
12	Test	Test	79	08:00:00	10:00:00	15/03/2018	£10.00

Microsoft Access
Please select a booking to view
OK

(Booking ID)

Show Invoice

This has been successfully demonstrated.

44.2 If the user presses 'Show Invoice' with a chosen booking, they should be presented with an invoice for that booking. The BookingInfoStaff form should close.



Booking Invoice

Act Name:
John Mayer

Booking ID : 1

Price Category : Non-Peak Times

Booking Duration : 5 hours

Booking Date : 09/02/2018

Booking Area : Main Hall

Equipment Borrowed :

Total Cost: £20. Paid ☐

This has been successfully demonstrated.

Test 45

CustomerForm

←

Customers

×

ArtistID	ActName	ManagerName	Username	EmailAddress	U18
1	John Mayer	John Mayer	JMan12	John@gmail.com	No
2	Childish Gambino	Donald Glover	DoGlover2	Donald@gmail.com	Yes
3	Oasis	Liam Gallagher	Lgal9	Liam@gmail.com	No
4	Nirvana	Kurt Cobain	KKB12	Kurt@gmail.com	Yes
5	Trent Reznor	Trent Reznor	TReznor5	Trent@gmail.com	No
6	Rush	Alex Lifeson	Alife	Alex@gmail.com	No
8	Led Zeppelin	Jimmy Page	JPage8	Jimmy@gmail.com	Yes
10	The Beatles	Jon Lemmon	Jonnlon	Beatles@gmail.com	No
12	Test	Testington	Test	test@test.com	No

Add New CustomerModify A Customer

This is the 'CustomerForm' form. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are back (<-), close ('X'), Add New Customer and Modify A Customer.

Test 46

When the user presses the back button, they should be taken back to the Staff Control Panel.

←

Customers

×

ArtistID	ActName	ManagerName	Username	EmailAddress	U18
1	John Mayer	John Mayer	JMan12	John@gmail.com	No
2	Childish Gambino	Donald Glover	DoGlover2	Donald@gmail.com	Yes
3	Oasis	Liam Gallagher	Lgal9	Liam@gmail.com	No
4	Nirvana	Kurt Cobain	KKB12	Kurt@gmail.com	Yes
5	Trent Reznor	Trent Reznor	TReznor5	Trent@gmail.com	No
6	Rush	Alex Lifeson	Alife	Alex@gmail.com	No
8	Led Zeppelin	Jimmy Page	JPage8	Jimmy@gmail.com	Yes
10	The Beatles	Jon Lemmon	Jonnlon	Beatles@gmail.com	No
12	Test	Testington	Test	test@test.com	No

Add New CustomerModify A Customer

Staff Control Panel

×

View ArtistsView Bookings / Generate InvoiceView Artist Control Panel (Debug)Delete AccountLog OutAdd StaffUser Log

This has been successfully demonstrated.

Test 47

When the user presses the close button, the form should close.

←

Customers

×

ArtistID	ActName	ManagerName	Username	EmailAddress	U18
1	John Mayer	John Mayer	JMan12	John@gmail.com	No
2	Childish Gambino	Donald Glover	DoGlover2	Donald@gmail.com	Yes
3	Oasis	Liam Gallagher	Lgal9	Liam@gmail.com	No
4	Nirvana	Kurt Cobain	KKB12	Kurt@gmail.com	Yes
5	Trent Reznor	Trent Reznor	TReznor5	Trent@gmail.com	No
6	Rush	Alex Lifeson	Alife	Alex@gmail.com	No
8	Led Zeppelin	Jimmy Page	JPage8	Jimmy@gmail.com	Yes
10	The Beatles	Jon Lemmon	Jonnlon	Beatles@gmail.com	No
12	Test	Testington	Test	test@test.com	No

Add New CustomerModify A Customer

This has been successfully demonstrated.

Test 48

When the user presses 'Add New Customer' they should be taken to the previously tested 'Register' form.

The 'Customers' form features a table with the following data:

ArtistID	ActName	ManagerName	Username	EmailAddress	U18
1	John Mayer	John Mayer	JMan12	John@gmail.com	No
2	Childish Gambino	Donald Glover	DoGlover2	Donald@gmail.com	Yes
3	Oasis	Liam Gallagher	Lgal9	Liam@gmail.com	No
4	Nirvana	Kurt Cobain	KKB12	Kurt@gmail.com	Yes
5	Trent Reznor	Trent Reznor	TReznor5	Trent@gmail.com	No
6	Rush	Alex Lifeson	Alife	Alex@gmail.com	No
8	Led Zeppelin	Jimmy Page	JPage8	Jimmy@gmail.com	Yes
10	The Beatles	Jon Lemmon	Jonlon	Beatles@gmail.com	No
12	Test	Testington	Test	test@test.com	No

Buttons: Add New Customer, Modify A Customer

This has been successfully demonstrated.

The 'Register User' form contains the following fields:

- *Act Name
- *Manager Title (dropdown)
- *Manager Name
- *Username
- *Password
- *Re-Type Password
- *Email Address
- *# Of Members

Test 49

When the user presses 'Modify A Customer', they should be taken to the 'ModifyUser' Form.

The 'Modify User' form includes the following fields:

- *ID (with Find button)
- *Act Name
- *Manager Title (dropdown)
- *Manager Name
- *Username
- *Password
- *Email Address
- *# Of Members
- *Under 18? (checkbox)
- Card Details section: Card Number, CCV, Expiry Date

Table of customer data (same as in Test 48):

ActName	Username
John Mayer	JMan12
Childish Gambino	DoGlover2
Oasis	Lgal9
Nirvana	KKB12
Trent Reznor	TReznor5
Rush	Alife
Led Zeppelin	JPage8
The Beatles	Jonlon
Test	Test

This has been successfully demonstrated.

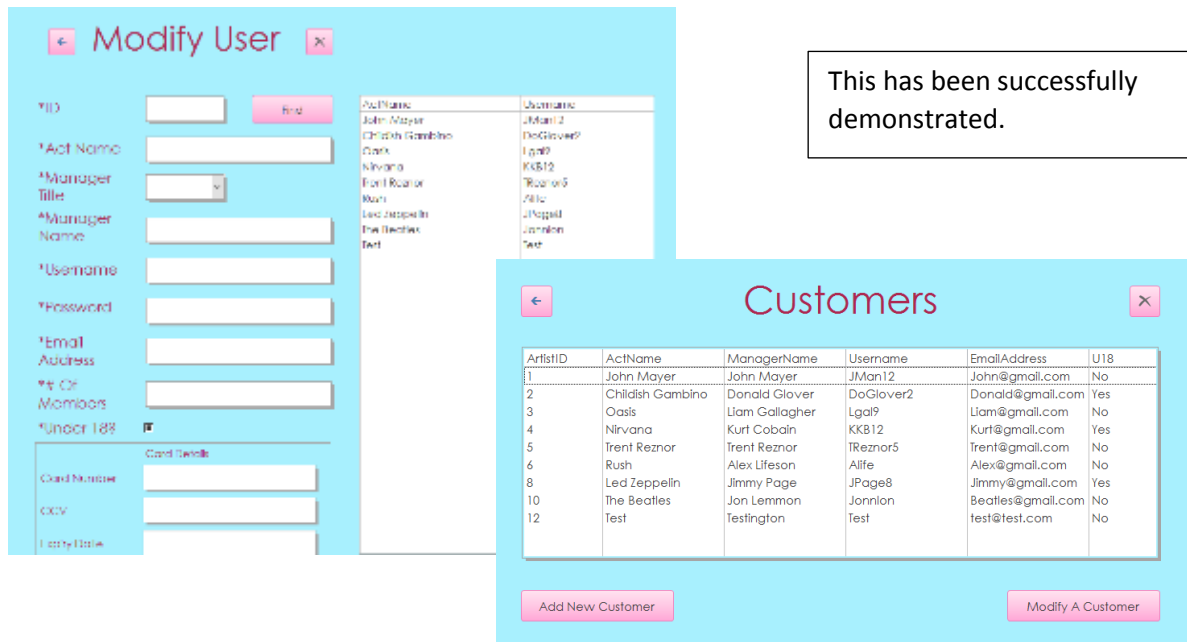
Test 50

This is a duplicate of the 'Modify User' form shown in Test 49, featuring the same input fields, table, and layout.

This is the 'ModifyUser' form. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are back (<-), close ('X'), Find and Modify User.

Test 51

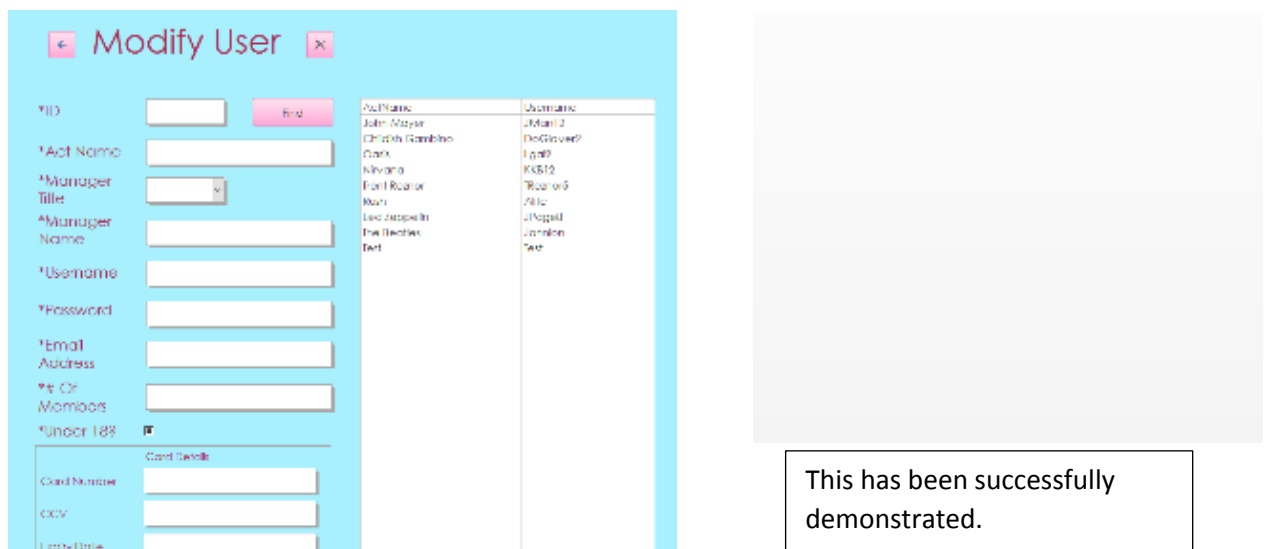
When the user presses the back button, they should be taken back to the Customer Info form.



This has been successfully demonstrated.

Test 52

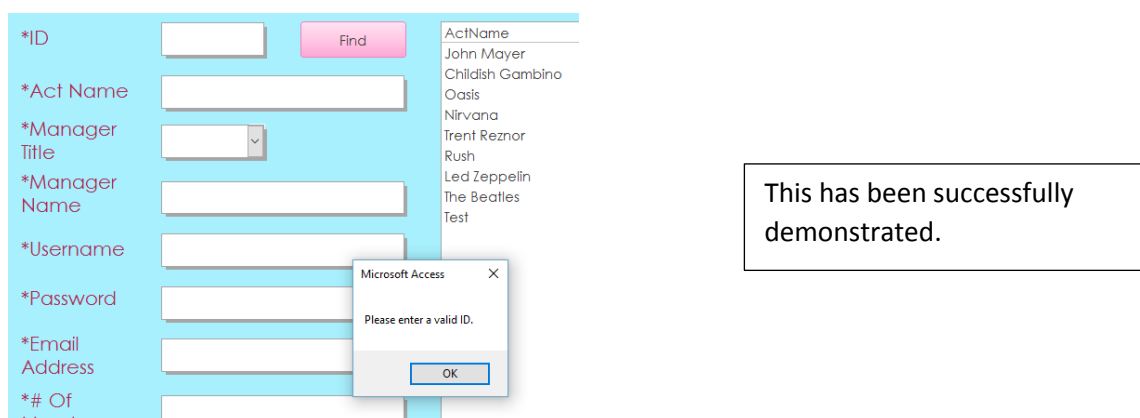
When the user presses the close button, the form should close.



This has been successfully demonstrated.

Test 53 – 53.2

53.1 If the user presses find without choosing a customer, an error message should be presented.



This has been successfully demonstrated.

53.2 If the user presses the Find button after clicking a customer, the customer’s relevant info should be filled into the form.

*ID

6

Find

*Act Name

Rush

*Manager Title

Mr.

*Manager Name

Alex Lifeson

*Username

Alife

*Password

*Email Address

Alex@gmail.com

*# Of Members

3

*Under 18?

☐

Card Details

Card Number

CCV

687

Expiry Date

Modify User

ActName	Username
John Mayer	JMan12
Childish Gambino	DoGlover2
Oasis	Lgai9
Nirvana	KK812
Trent Reznor	TReznor5
Rush	Alife
Led Zeppelin	JPage8
The Beatles	Jonnlon
Test	Test

This has been successfully demonstrated.

Test 54 – 54.2

54.1 If the user has not filled in all the starred fields and presses ‘Modify User’, they will get an error message.

*ID

6

Find

*Act Name

Rush

*Manager Title

Mr.

*Manager Name

Alex Lifeson

*Username

*Password

*Email Address

Alex@gmail.com

*# Of

3

ActName
John Mayer
Childish Gambino
Oasis
Nirvana
Trent Reznor
Rush
Led Zeppelin
The Beatles
Test

Microsoft Access

You must fill in the starred (*) fields.

OK

This has been successfully demonstrated.

54.2 If the user has filled out all the appropriate data, the form should provide a success message and the user should be brought back to the staff main menu.

The screenshot shows the 'Modify User' form with the following fields and values:

- *ID: 6
- *Act Name: Rush
- *Manager Title: Mr.
- *Manager Name: Alex Lifeson
- *Username: Alifeson21
- *Password: *****
- *Email Address: Alex@gmail.com
- *# Of Members: 3

A dropdown menu for 'Act Name' is open, showing a list of names: John Mayer, Childish Gambir, Oasis, Nirvana, Trent Reznor, Rush (highlighted), Led Zeppelin, The Beatles, and Test.

A 'Microsoft Access' dialog box is displayed in the foreground with the message 'User Modified Successfully.' and an 'OK' button.

At the bottom, a table shows the current state of the user:

6	Rush	Alex Lifeson	Alifeson21
---	------	--------------	------------

This has been successfully demonstrated.

Test 55

The screenshot shows the 'Register Staff' form with the following fields:

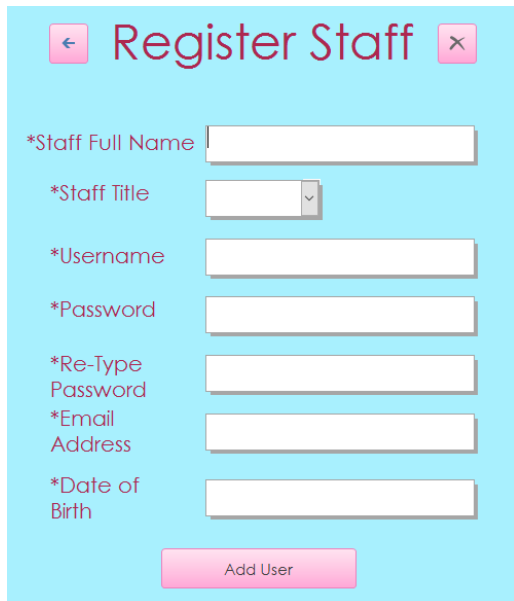
- *Staff Full Name
- *Staff Title
- *Username
- *Password
- *Re-Type Password
- *Email Address
- *Date of Birth

An 'Add User' button is located at the bottom of the form.

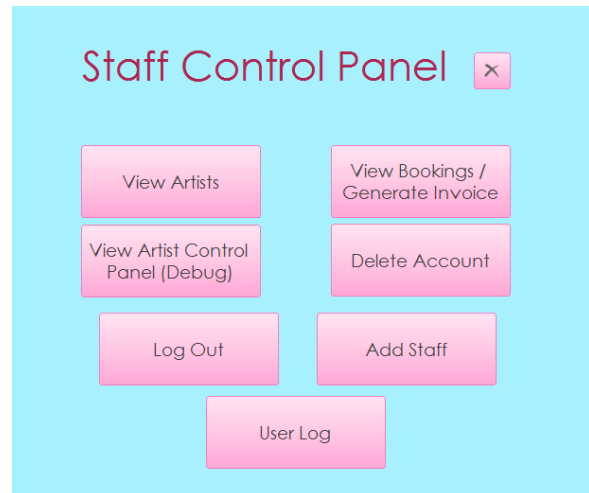
This is the AddStaff form where staff can register a staff member. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are close ('X'), back ('<-') and Add User.

Test 56

If the user clicks the back button, they should be returned to the Staff Control Panel.



The 'Register Staff' form is displayed on a light blue background. It features a title bar with a back arrow icon and a close 'X' icon. The form contains several input fields: '*Staff Full Name' (text), '*Staff Title' (dropdown menu), '*Username' (text), '*Password' (text), '*Re-Type Password' (text), '*Email Address' (text), and '*Date of Birth' (text). An 'Add User' button is located at the bottom right of the form.

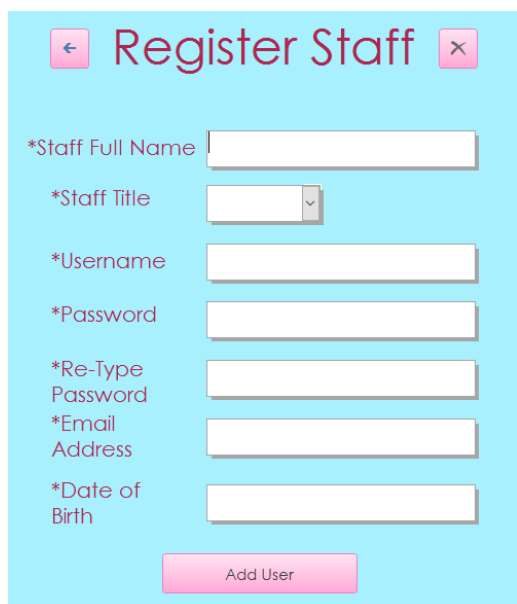


The 'Staff Control Panel' is displayed on a light blue background. It features a title bar with a close 'X' icon. The panel contains several buttons: 'View Artists', 'View Bookings / Generate Invoice', 'View Artist Control Panel (Debug)', 'Delete Account', 'Log Out', 'Add Staff', and 'User Log'.

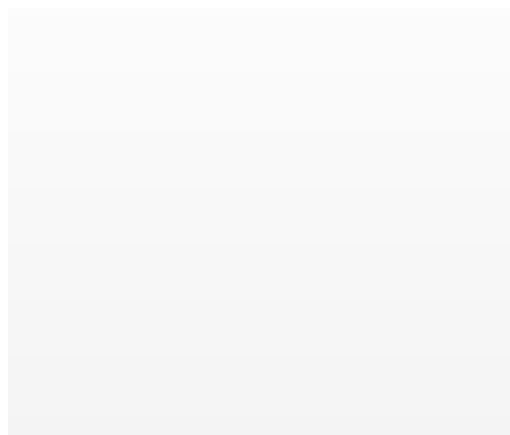
This has been successfully demonstrated.

Test 57

If the user presses the close button, the form should close.



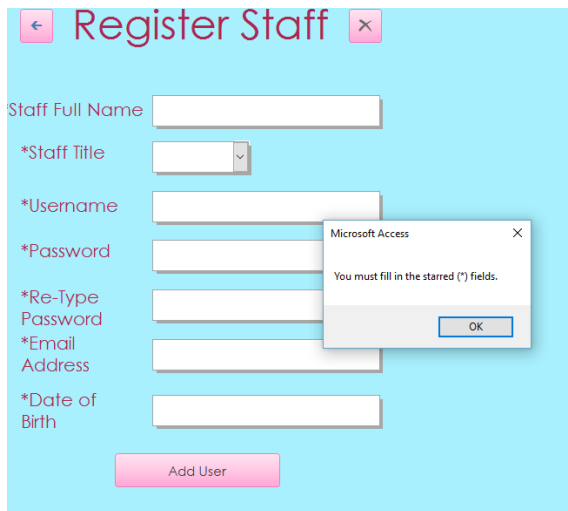
The 'Register Staff' form is displayed on a light blue background. It features a title bar with a back arrow icon and a close 'X' icon. The form contains several input fields: '*Staff Full Name' (text), '*Staff Title' (dropdown menu), '*Username' (text), '*Password' (text), '*Re-Type Password' (text), '*Email Address' (text), and '*Date of Birth' (text). An 'Add User' button is located at the bottom right of the form.



This has been successfully demonstrated.

Test 58 – 58.2

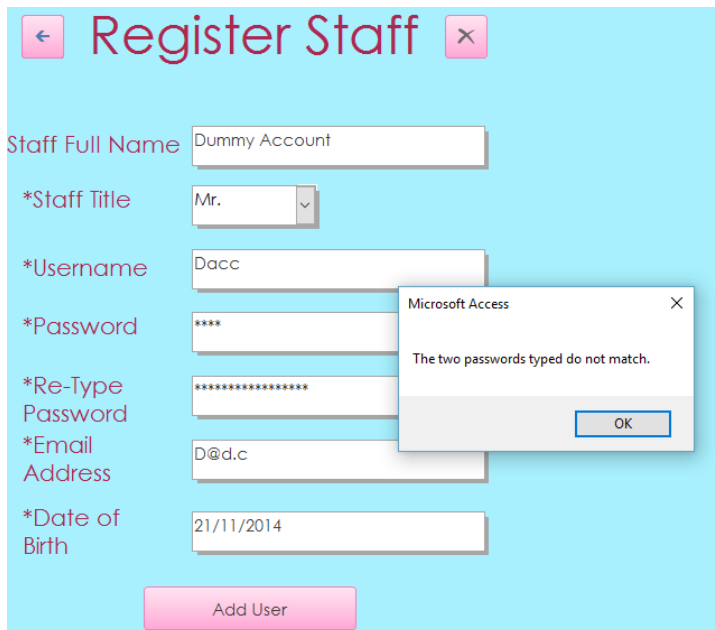
58.1 If the user presses 'Add User' without filling in the required fields, they should get an error message.



The screenshot shows the 'Register Staff' form with the following fields: Staff Full Name, *Staff Title (dropdown), *Username, *Password, *Re-Type Password, *Email Address, and *Date of Birth. An 'Add User' button is at the bottom. A Microsoft Access error dialog box is displayed in the center, stating: 'You must fill in the starred (*) fields.' with an 'OK' button.

This has been successfully demonstrated.

58.2 If the user presses the register button with an incorrect password validation, they should be told that the passwords do not match.



The screenshot shows the 'Register Staff' form with the following fields: Staff Full Name (filled with 'Dummy Account'), *Staff Title (dropdown with 'Mr.'), *Username (filled with 'Dacc'), *Password (filled with '****'), *Re-Type Password (filled with '*****'), *Email Address (filled with 'D@d.c'), and *Date of Birth (filled with '21/11/2014'). An 'Add User' button is at the bottom. A Microsoft Access error dialog box is displayed in the center, stating: 'The two passwords typed do not match.' with an 'OK' button.

This has been successfully demonstrated.

58.3 If the user presses the register button and all is correct, they should be notified that their data has been added successfully. Their data will be added to the Staff table. They will be returned to the staff control panel form.

This has been successfully demonstrated.

Test 59

Timestamp	Username	UserActivity
24/04/2018 13:32:27	t	Created Staff Login
24/04/2018 13:21:29	t	Modified User
24/04/2018 12:48:50	t	Generated Invoice
24/04/2018 12:48:03	t	Generated Invoice
24/04/2018 12:47:07	t	Logged In
24/04/2018 12:41:15	t	Logged In
24/04/2018 12:40:51	Test	Logged In
24/04/2018 12:40:46	Test	Logged Out
24/04/2018 12:40:43	Test	Logged In
24/04/2018 12:39:32		Generated Invoice
24/04/2018 12:32:08	Test	Logged In
24/04/2018 12:30:48	Test	Modified Booking
24/04/2018 12:26:17	Test	Logged In
24/04/2018 12:25:39	Test	Modified Booking
24/04/2018 12:25:15	Test	Modified Booking
24/04/2018 12:21:45	Test	Modified Booking

This is the AddStaff form where staff can vie. It is simply laid out using a colour and font theme that is used throughout the program. The clickable buttons are close ('X') and back ('<-').

Test 60

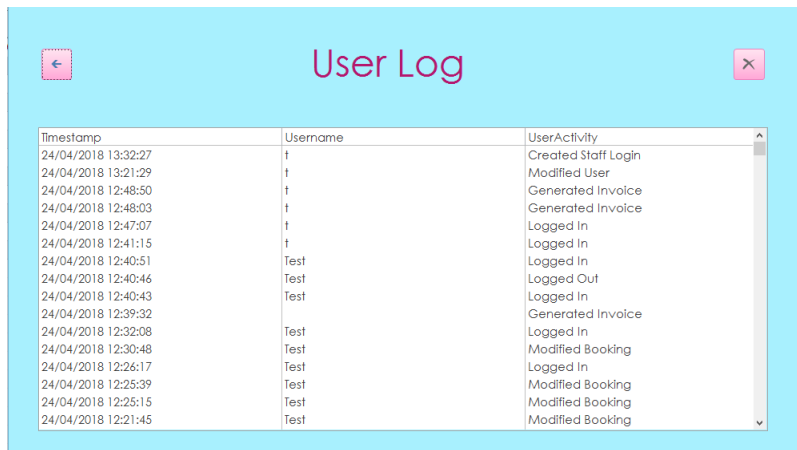
f the user presses the close button, the form should close.

Timestamp	Username	UserActivity
24/04/2018 13:32:27	t	Created Staff Login
24/04/2018 13:21:29	t	Modified User
24/04/2018 12:48:50	t	Generated Invoice
24/04/2018 12:48:03	t	Generated Invoice
24/04/2018 12:47:07	t	Logged In
24/04/2018 12:41:15	t	Logged In
24/04/2018 12:40:51	Test	Logged In
24/04/2018 12:40:46	Test	Logged Out
24/04/2018 12:40:43	Test	Logged In
24/04/2018 12:39:32		Generated Invoice
24/04/2018 12:32:08	Test	Logged In
24/04/2018 12:30:48	Test	Modified Booking
24/04/2018 12:26:17	Test	Logged In
24/04/2018 12:25:39	Test	Modified Booking
24/04/2018 12:25:15	Test	Modified Booking
24/04/2018 12:21:45	Test	Modified Booking

This has been successfully demonstrated.

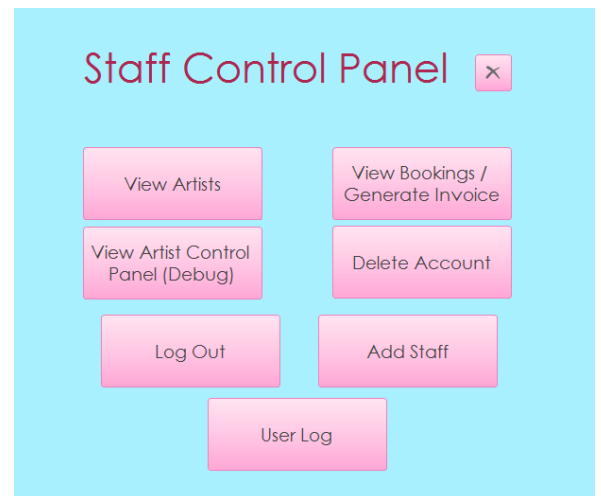
Test 61

If the user clicks the back button, they should be returned to the Staff Control Panel.



Timestamp	Username	UserActivity
24/04/2018 13:32:27	t	Created Staff Login
24/04/2018 13:21:29	t	Modified User
24/04/2018 12:48:50	t	Generated Invoice
24/04/2018 12:48:03	t	Generated Invoice
24/04/2018 12:47:07	t	Logged In
24/04/2018 12:41:15	t	Logged In
24/04/2018 12:40:51	Test	Logged In
24/04/2018 12:40:46	Test	Logged Out
24/04/2018 12:40:43	Test	Logged In
24/04/2018 12:39:32		Generated Invoice
24/04/2018 12:32:08	Test	Logged In
24/04/2018 12:30:48	Test	Modified Booking
24/04/2018 12:26:17	Test	Logged In
24/04/2018 12:25:39	Test	Modified Booking
24/04/2018 12:25:15	Test	Modified Booking
24/04/2018 12:21:45	Test	Modified Booking

This has been successfully demonstrated.



Final Words

Even though all of my testing went as planned, I believe it would be beneficial to undertake black box testing. For this, I would have to bring in someone who didn't develop system (such as Jay Marsh, the person I previously interviewed and the owner of the business) for them to test that the system and see that it is to their liking.

This will allow me to make sure I haven't personally missed anything, but it will also allow Jay to suggest any potential improvements he wants to see considering the system has been made for him and his business. This way, any bias from myself will be removed.