

Manual Testing

Testing the program from the 'find an act' option

I pressed 1 and enter to enter the function.

I then pressed no in response to the question: "Is your venue in the North East area" and was returned to the main menu.

I pressed 1 again.

I then typed a number and was given an error message and asked to type option again by the program.

I typed y.

I was then asked to enter a venue name

I typed 0

The program returned an error message saying invalid name and that venue names must have more than two characters. And gave me the option to try again.

I typed a valid name of more than two characters.

I received a pleasing, conversational-style message asking me too choose from the list of genre's displayed

I entered number 4.

I received a message telling me that this was not a valid genre and to type again.

I entered ska

I the same error message again.

This time I entered the valid genre of jazz

I received another pleasing message, this time containing the two pieces of data already collected and asking me to type the required day of the coming weekend I need an act for my venue.

I typed 397

I received an error message telling me that 397 is not a valid gig day and was promoted to retry.

I typed Friday

I was provided with the information Late Gigs had collected so far and asked if I was happy to continue?

I typed number 376

I was told this was not a valid choice and typed n

I was given another choice of y to restart or n to exit.

I typed 300

I was told this was not a valid choice and asked if I was happy to continue

I was given another choice of y/n

I typed n

I confirmed I wanted to exit by pressing n again

I was returned to the main menu.

I started the sequence and inputted the data again up until the choice to continue

My choices were "TEST, Rock and Friday"

When asked if I was happy with these choices I selected y

I was asked to submit a fee

I typed the word "fifty"

I was then prompted to type a number

I typed the number 12

I was told that this was outside the apps recommended range and to try again.

I typed the number 4000 and got the same message

I then tried 600 which was acceptable.

I was then prompted for a maximum number of performers required.

I followed the same pattern as above to test the input. Typing a word then 0 then 50

I settled on 4 act members

I was then asked to Input a number between 1 and 5

I tested the range parameters and responded to the error messages above.

In this case, where a floating point number seemed to be allowed I tried to use the number 2.2

It was not accepted and I was asked to try again.

I entered 1.5

I was then presented with the values I had entered.

And was asked to if I would like to search the database for a new act.

I made a note of my values and pressed n

I was warned that my data would be lost if I chose to proceed and gave me the option to reconsider or quit to menu

I quit to menu and it brought me back to the menu page.

I re inserted my data and pressed y

I was asked to submit a valid email address

I typed: monkey bananas

I received a message informing me that this was not a valid email address and try again

I typed: 98713409871

Error try again!

I typed email@mailcom

Error try again!

I typed email, email.com

Error try again!

I then typed a valid email address that the REGEX function would accept but would be so ridiculous it probably wouldn't have a destination:

celticandrangersarefriends@sfa.co.uk

The email was accepted as valid

The program is now requesting a pin code that was sent to that email address.

I don't have the code and now have to restart the program

But before I did I entered an email address into the pin field

And received a ValueError at line 492.

****First Bug***

I restarted the program with the same values

TEST ROCK FRIDAY 600 4 1.5

This time I sent the email to the testing gmail account I had set up lategigs@gmail.com

And tried to recreate the Value error but it was successfully caught this time by an except I implemented to catch it!

I checked my testing email account to find I had received a pin from lategigs.

I entered the pin

The program checked the database for a matching act but could not find one so added me to the standby list database.

I checked the database and the listing was created and all values were correct.

Testing the program from 'the find an act' option.

I repeated the steps above to add a non-matching act to the database.

I found the following errors:

I pressed no in response to the question asking if I was in the north east and was not returned directly to the main menu. I fixed this by adding an elif condition to the area_check function. I can now confidently add new venues and acts to the waiting list without errors

During this stage of testing I realised that users had no way of returning to the main menu if there was an issue with receiving and inputting a pin so I provided a condition to the function loop that would allow the user to exit to menu by typing 0000

Obviously there is an issue with this if the random number generator produces a pin that is 0000 but I figured at least in the short term that is highly unlikely. (1 in 10,000 chance)
I will try to find a more elegant solution, (max 3 attempts for example) during development of Late Gigs V2.0

Testing by creating a gig from the 'find a venue' option

Because I knew the properties of two entries on the waiting list I could now try and get the app to create a matching gig.

I first tried the find and act option using the details of the first venue

After entering my email address and PIN the program executed successfully and returned a match

It provided me with the option to create the gig by answering yes or no

I chose no

The program took me back to the main menu

I re inserted all of the data.

After entering my email address and PIN the program executed successfully and returned a match

It provided me with the option to create the gig by answering yes or no

I chose yes

The program successfully created a gig by adding the act and venue to the gig_list google sheet

And also removed the venue from the venues sheet.

Both the venue and the act were notified by email that a gig had been created.

The emails contained the correct gig information and means of contacting each other to arrange start times etc.

Testing by creating a gig from the 'find an act' option

I used the same process above but started out from the find an act menu option.

The program found a match and asked if I wanted to create the gig

I chose no and was returned to the main menu

I re submitted the venue info and when I reached the same point this time I replied yes.

The program executed successfully and a gig was created.

The process also removed the act from the standby sheet.

Both the venue and the act were notified by email that a gig had been created.

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Testing by attempting to cause a double booking.

Now that I had items in the database I wanted to try and test the feature that checks for double bookings.

I took the values of the last two successfully created gigs from the gig_list sheet and used them to test the double_booking_check functions

I first started by trying to create a waiting list entry from the 'find an act' option.

The double_booking_check function caught the attempt at double booking and returned to the main menu without adding the venue to the waiting list.

I repeated the process from the 'find a venue' option.

The double_booking_check function caught the attempt at double booking and returned to the main menu without adding the act to the waiting list.

Testing from the 'Remove from list' option. User type: Venue

Error checking:

I started the process by selecting option 3 from the main menu.

The screen then asked me to type either Venue or Act

I typed: Guybrush

The program displayed an invalid input message and asked me to try again.

I then typed: 2468

The same error appeared.

I then typed Venue

A screen appeared and asked me for the name of my venue.

I typed the the name of a venue I knew not to be on the venue waiting list.

The program continued and asked for the day the booking was for... I answered

354

The program replied with "Invalid input try again!"

I then typed

Sunday

The process the moved on to ask me for my unique pin number

I entered Grog

The program responded by returning an error and stating that the pin should be a 4 digit number

I Typed 1

The program responded by returning an error and stating that the pin should be a 4 digit number

I typed 23456

The program responded by returning an error and stating that the pin should be a 4 digit number

I typed 1967 and the program accepted the pin

The program returned to the main menu displaying a message that no listing had been found that match the user details provided.

I then checked the venues worksheet and typed the details of a venue I knew to be properly registered and on the list.

The process found the listing and removed the correct item from the venues database and returned to the main menu.

Testing from the 'Remove from list' option. User type: Act

Error checking:

I repeated the exact process I used testing the option with the venue user type and returned zero errors.

The acts sheet was correctly amended and the user was returned to the main menu.

Testing the About Late gigs option.

I selected option 4 and was provided with details about how the app functions.

There was user instructions saying press enter to get started

I typed a 435

and was taken back to the main menu.

I then typed: Stan

and was taken back to the main menu.

I pressed return

and was taken back to the main menu.

