

a) i) The error occurs due to the ELSE statement on line 12 and 13. If the user enters neither EVENT nor TICKET in MessageHeader then the whole system shuts down, thus it cannot be used until rebooted by the supervisor.

ii) The line ~~code~~ should read:

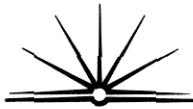
12 ELSE

13 Display ('Inappropriate input. Try again. Enter
EVENT or TICKET only')

iii) - SystemStatus is a boolean function as it is either ON or OFF

- EventName, EventLocation and TicketEventName are all strings as they would be names of places and events

- Number Tickets Sold, EventDate, EventTime, EventTickets Available, EventNumber, TicketEventNumber, TicketEventDate and TicketEventTime would all be real values as they are numbers that could require a decimal place.



For instance the 3rd of February could be stored as ~~03/02~~ 03.02 instead of two separate numbers.

iv) — The program continues to sell tickets even when EventTicketsAvailable is negative. Line 29 should be changed to: IF EventTicketsAvailable > 0 THEN
— Line 36 declares that, for instance if 50 tickets have been sold then ~~50~~ tickets 1 to 50 should be printed.

b) BEGIN

set counter = 1
set ~~counter~~ counter = 1

REPEAT

~~set TicketArray[counter]~~ READ EVENT (~~counter~~)

set TicketArray(counter).event = Event Name

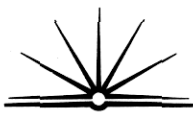
AND set TicketArray(counter).sold = Number Tickets Sold

AND set TicketArray(counter).number = Event Number

~~AND~~ AND set counter = counter + 1

UNTIL counter = total number of events

ADD (TicketArray(1).sold + TicketArray(2).sold + ...

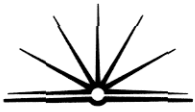


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... TicketArray (last event).sold) AND  
PRINT result  
REPEAT  
    PRINT TicketArray (count2).event  
    set count2 = count2 + 1  
UNTIL count2 = total number of events  
END
```

c) - Online Documentation: All of the information regarding the use of the system and the function/purpose of the system is stored on the internet. ~~etc~~

- Video Documentation: A video documentation format would allow the user to see another person using the system properly and ~~this~~ thus demonstrates the features and purpose of the system to the viewer.

Online documentation is the most appropriate for ~~the~~ the ticketing agency as the people that would use remote ticketing terminals would probably be able to use the internet. As the internet



can, unlike paper or video, be accessed remotely - with ease - it makes on-line documentation the best option for the agency.