**Technical Design Document Template**

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**Program Description:**

My program requires the user to input a maximum of 4 tickets and then prompts them to enter the total number of tickets remaining. After all the tickets are sold out, it shows that there was a specific number of buyers and that the tickets are sold out.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** get\_ticket\_request

**Description:** Used to request how many tickets (at a maximum of 4 tickets per purchase) were necessary for the customer.

**Parameters:** The only available value to put into the request is 1-4.

**Variables:** Tickets.

**Logical Steps:** First, the value of the tickets needed is asked. If outside 1-4, it prompts the user to input 1-4 tickets as the value. If it is between 1 and 4, it moves on to the second part of the code.

**Returns:** If an incorrect value is entered, it asks the original question again.

2. **Function Name:** sell tickets

**Description:** Used to display how many tickets have been purchased and how many are left.

**Parameters:** After a certain number of tickets are left, the code will not let you purchase over that amount. Otherwise, there is a limited number of tickets left.

**Variables:** Buyers and Total tickets

**Logical Steps:** Prints the total number of tickets asked for, and how many tickets are left. After every ticket is bought, it shows that the tickets are sold out.

**Returns:** If you try to purchase more tickets than are available, it will ask for a variable between 1 and the amount left in total.

**Logical Steps:**

1. Get\_ticket\_request
   1. While
   2. Try
      1. Input
   3. If
      1. Value 1-4
   4. Return
   5. Else
      1. Print
   6. Except
      1. print
2. Sell tickets
   1. While
      1. print
   2. If
      1. print
   3. Else
      1. print
   4. print

**Link to your repository:** https://github.com/Lukenatrah/COP2373Fall.git

**Output Screenshot: (make sure big enough so I can see)**

A screenshot of a computer

AI-generated content may be incorrect.