**Technical Design Document**

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**Program Description:**

This program is an application to sell a limited number of tickets and to display the number of buyers after all the tickets have been sold.

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

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

**Description:** Function to achieve the number of tickets the buyer wants to purchase.

**Parameters: (**tickets\_remaining)- Used to show how many tickets are left available.

**Variables:** Requested- Stores the number of tickets the user has input.

**Logical Steps:**

1. Check the number of tickets that are left in the function.
2. Checks the number that the user has input.

**Returns:** Returns the number of tickets that are requested in the input.

2. **Function Name:** process\_purchase()

**Description:** Function that processes the purchase corresponding to the input in the earlier function.

**Parameters:**

Requested- Number of tickets user has input.

tickets\_remaining- Number of tickets that are left available before the purchase.

**Variables:** No new variables, only the Parameters.

**Logical Steps:**

1. Subtract the number in the new input to the number of tickets remaining.
2. Print success text and tickets remaining.
3. If none are remaining, program ends

**Returns:** The function returns the updated number of tickets that are left after the purchase.

**Logical Steps:**

1. User inputs number for get\_ticket\_request function
2. The process\_purchase function runs after the input is confirmed in the first function
3. Once all tickets are sold, the function runs another program for the user, detailing the tickets sold and number of buyers.

**Link to your repository:**

<https://github.com/EdgarJCebo/Programming-Concepts-2>

<https://github.com/EdgarJCebo?tab=repositories>

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

A screenshot of a computer program

AI-generated content may be incorrect.