**Technical Design Document Template**

**Name:** Seth Roessner

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**Program Description:**

Each buyer can buy up to 4 tickets. No more than 20 tickets can be sold in total. Prompt the user for the desired number of tickets and then display the number of remaining tickets after their purchase.

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

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

**Description:** States the number of tickets someone can buy, or how many is left

**Variables:** num\_tickets

**Logical Steps:** Enter the number of tickets you wish to buy (1-4)

**Returns:** print: Prints the answer to what the buyer stated

2. **Function Name:** sell\_ticket

**Description:** States total and remaining tickets and the total amount of buyers

**Variables:** total\_tickets, remaining\_tickets, total\_buyers

**Logical Steps:** After getting the answer from the buyer, tell the next buyer how many tickets are left to buy

**Returns:** While: Shows how many tickets are left to buy per buyer.

**Link to your repository:** <https://github.com/SethRoes/COP2373.git>

**Output Screenshot:**

