**Design Document**

**Purpose/Overview:**

* This program is used to sell tickets.
* The tickets are in various categories and sold at different prices.
* The program keeps track of all the transactions.
* The program calculates the earnings from each category as well as the total earnings.

**Classes:**

* TicketOrder class
* This class handles transactions by representing them as an object.
* The class’ member data includes the quantity and category of each sale.
* The class has no member methods.

**Global Data/Functions:**

* The main function is the only function outside of the class.
* The main function creates a vector of TicketOrder objects to store transaction details.
* The main function also calculates totals from each category.
* No global variables are used.

**User Interface:**

* The interface is text-based.
* The program takes input from standard in and outputs to standard out.

**Test Cases:**

* Minimal testing needed, since all the input validation is from pre-written code.
* Random sample input is probably sufficient test input.+