1. Business Event Management System

Structure of the database: According to the requirements, the system consists of two database: customer database and events database. As for events database, it uses dictionary to store the information. Dictionaries are used to store data values in key:value pairs. Besides, the keys in the dictionaries are unique. Therefore, storing events detail in an unique events ID or number perfectly match structure of dictionaries. Moreover, using events number as key could avoid confusing situation like events with same name. The key of the dictionary is events ID And the value to the key are the details of each events which are stored in another dictionary.

As for the customers database, it needs to store the basic information including loyalty point and booking list of customers. Similar to the events database, it use customers number as key and store their details as value including customer number and booking history.

Basic function:Since the database are similar to each other, they should achieve some basic function: Add update and delete events or customers, display details of both events and customers. In terms of the events database, events could be register on the system and provide with its attendance report. In addition the feedback should also stored in customer details in the customers database.

Display function could help to check whether creating function working well and register function

Testing:

1 input valid name to create a correct customer detail. After success try to input different value to see what will happen.

2 input valid name to create a correct event detail. After success try to input different value to see what will happen.

3 select correct number at the Main User Interface Loop

4 input wrong value to see whether error report work well