### Choral Shield - Candidate template

**Candidate Name:\_\_\_\_\_\_\_Sakib Ahamed\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Complete the data structure design below:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Field Name** | **PK/ FK** | **Data Type** | **Data Size** | **Unique** | **Required** | **Validation** | **Sample Data** |
| **Customer** | **Customer ID** | **PK** | **String** |  | **YES** | **YES** | **Format Check** | **C001** |
|  | **First Name** |  | **String** |  | **NO** | **NO** | **Range Check** | **James** |
|  | **Second Name** |  | **String** |  | **NO** | **NO** | **Range Check** | **Smith** |
|  | **House Team** |  | **String** |  | **NO** | **YES** | **Lookup Table** | **Alpha** |
|  | **Contact E-mail** |  | **String** |  | **NO** | **YES** |  | **James.Smith@me.com** |
|  | **Charity** |  | **String** |  | **NO** |  | **Lookup Table** | **Kidney Research** |
|  |  |  |  |  |  |  |  |  |
| **Orders** | **Order ID** | **PK** | **String** |  | **YES** | **YES** |  | **1** |
|  | **Customer ID** | **FK** | **String** |  | **YES** | **YES** |  | **C001** |
|  | **Ticket ID** | **FK** | **String** |  | **YES** | **YES** | **Lookup Table** | **W1** |
|  | **Number** |  | **Integer** |  | **NO** | **YES** |  | **6** |
|  | **Method** |  | **String** |  | **NO** | **YES** | **Restricted Choice** | **W** |
|  |  |  |  |  |  |  |  |  |
| **Ticket** | **Ticket ID** | **PK** | **String** |  | **YES** | **YES** | **Restricted Choice** | **W1** |
|  | **Night** |  | **String** |  | **NO** | **YES** |  | **Wednesday** |
|  | **Position** |  | **String** |  | **NO** | **YES** |  | **Front** |
|  |  |  |  |  |  |  |  |  |

1. Outline the relationship between the three tables in the boxes below:

Ticket

Orders

Customer

1. Write down any formula and/or queries you plan to use to create your two reports.

**Purpose of Query**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Criteria** | **Order** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Purpose of Query**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Criteria** | **Order** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |