**Name: Ramasubbaiya**

**Student #: C0652863**

**Assignment: A13**

**Grand Bend Water Sports**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMER** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | customer\_id | VARCHAR(10) |  |
|  | \* - Mandatory | customer\_name | VARCHAR(30) |  |
|  | \* - Mandatory | customer\_type | VARCHAR(30) |  |
|  | \* - Mandatory | customer\_address | VARCHAR(100) |  |
|  | \* - Mandatory | customer\_city | VARCHAR(30) |  |
|  | \* - Mandatory | customer\_postal\_code | NUMERIC(5,0) |  |
|  | \* - Mandatory | sales\_representative | VARCHAR(30) |  |
|  | \* - Mandatory | current\_credit\_limit | NUMERIC(10,0) |  |
|  | \* - Mandatory | current\_credit\_balance | NUMERIC(10,0) |  |
|  |  |  |  |  |
|  |  |  |  |  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **SUPPLIER** | | | | | | **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** | | PK - PRIMARY KEY | \* - Mandatory | supplier\_number | VARCHAR(10) |  | |  | \* - Mandatory | supplier\_name | VARCHAR(30) |  | |  | \* - Mandatory | category | VARCHAR(30) |  | |  | \* - Mandatory | supplier\_address | VARCHAR(100) |  | |  | \* - Mandatory | supplier\_city | VARCHAR(30) |  | |  | \* - Mandatory | supplier\_postal\_code | NUMERIC(5,0) |  | | | | | |
|  |  |  |  |  |
| **EMPLOYEE** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | employee\_number | VARCHAR(10) |  |
|  | \* - Mandatory | employee\_name | VARCHAR(30) |  |
|  |  |  |  |  |
| **PURCHASING\_AGENT** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
|  | \* - Mandatory | sales\_limit | NUMERIC(10,0) |  |
|  |  |  |  |  |
| **SALES\_PURCHASING** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
|  | \* - Mandatory | commission\_rate | NUMERIC(10,0) |  |
|  |  |  |  |  |
| **PRODUCT** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | product\_number | VARCHAR(10) |  |
|  | \* - Mandatory | product\_name | VARCHAR(30) |  |
|  | \* - Mandatory | product\_category | VARCHAR(30) |  |
|  | \* - Mandatory | product\_supplier | NUMERIC(10,0) |  |
|  | \* - Mandatory | sales\_price | NUMERIC(10,0) |  |
|  | \* - Mandatory | qty\_on\_hand | NUMERIC(10,0) |  |
|  |  |  |  |  |
| **PRODUCT\_SUPPLIER** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | supplier\_number | VARCHAR(10) |  |
| PK - PRIMARY KEY | \* - Mandatory | product\_number | VARCHAR(10) |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **EVENT** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | event\_number | VARCHAR(10) |  |
|  | \* - Mandatory | event\_name | VARCHAR(30) |  |
|  | \* - Mandatory | event\_location | VARCHAR(40) |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **EVENT\_CUSTOMERS** | | | | |
| **Key Type** | **Optionality** | **Attributes** | **Data Type** | **Comments** |
| PK - PRIMARY KEY | \* - Mandatory | customer\_number | VARCHAR(10) |  |
| PK - PRIMARY KEY | \* - Mandatory | event\_number | VARCHAR(10) |  |