**(Microsoft SQL Server Notation)**

Table: **Supplier**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| SupplierID | **PK**; Unique sequential Supplier ID number | int |  | Y | Y |  |  |  |  | Y |
| Name | Name of the Supplier | nvarchar | 50 |  |  |  |  |  |  |  |

Table: **Order**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| OrderNo | **PK**; Unique sequential Order number | int |  | Y | Y |  |  |  |  | **Y** |
| SupplierID | **FK** to Supplier table | int |  |  |  |  |  |  |  |  |
| ProductID | **FK** to Product table | int |  |  |  |  |  |  |  |  |
| DateOrdered | Date of the order | date |  |  |  |  |  |  |  |  |
| DateArrived | Derived from the Order Date | Calculated Field |  |  |  |  |  |  |  |  |
| UnitsOrdered | Quantity of the product ordered | int |  |  |  |  |  |  |  |  |

Table: **Product**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ProductID | **PK**; Unique sequential Product number | int |  | Y | Y |  |  |  |  | Y |
| ProdName | Name of the product | nvarchar | 50 |  |  |  |  |  |  |  |
| Description | Description of the product | nvarchar | 50 |  |  |  |  |  |  |  |
| UnitsOnHand | Quantity of product on hand | int |  |  |  |  |  |  |  |  |

Table: **ServiceProduct**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ServiceID | **CPK**; **FK** to Service table | int |  |  |  |  |  |  |  | Y |
| ProductID | **CPK**; **FK** to Product table | int |  |  |  |  |  |  |  | Y |

Table: **Service**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ServiceID | **PK**; Unique sequential Service ID number | int |  | Y | Y |  |  |  |  | Y |
| Description | Description of the service | nvarchar | 50 |  |  |  |  |  |  |  |
| Type | Type of the service | char | 2 |  |  |  |  | [Type] = (‘W’)  OR  [Type] = (‘H’)  OR  [Type] = (‘HS’)  OR  [Type] = (‘NT’)  OR  [Type] = (‘NP’)  OR |  |  |

Table: **ServiceProvided**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DogID | **CPK**; **FK** to Dog table | int |  |  |  |  |  |  |  | Y |
| EmployeeID | **CPK**; **FK** to Employee table | int |  |  |  |  |  |  |  | Y |
| Date | **CPK**; Date of the service | date |  |  |  |  |  |  |  |  |
| Time | Time of the Service | time |  |  |  |  |  |  |  |  |
| ServiceID | **FK** to Service table | int |  |  |  |  |  |  |  |  |

Table: **Employee**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| EmployeeID | **PK**; Unique sequential Employee ID | int |  | Y | Y |  |  |  |  |  |
| FirstName | First name of the Employee | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the Employee | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the Employee | nvarchar | 50 |  |  |  |  |  |  |  |
| City | City of the Employee | nvarchar | 50 |  |  | Tampa |  |  |  |  |
| State | State of the Employee | char | 2 |  |  | FL |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Employee | nvarchar | 5 |  |  |  |  | ([Zip] like '[0-9][0-9][0-  9][0-9][0-9]') |  |  |

Table: **Dog**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DogID | **PK**; Unique sequential Dog ID | int |  | Y | Y |  |  |  |  | Y |
| Name | Name of the dog | nvarchar | 50 |  |  |  |  |  |  |  |
| Breed | Breed of the dog | nvarchar | 50 |  |  |  |  |  |  |  |
| DOB | DOB of the dog | date |  |  |  |  |  |  |  |  |
| [Age] | Derived value from the DOB column | Calculated Field |  |  |  |  |  |  |  |  |
| CustomerID | **FK** to Customer table | int |  |  |  |  |  |  |  |  |

Table: **PreferredService**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DogID | **CPK**; **FK** to Dog table | int |  |  | Y |  |  |  |  | Y |
| PreferredService | Preferred Service of the dog | nvarchar | 50 |  |  |  |  |  |  |  |

Table: **Customer**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| CustomerID | **PK**; Unique sequential Customer ID | int |  | Y | Y |  |  |  |  | Y |
| FirstName | First name of the customer | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the customer | nvarchar | 50 |  |  |  |  |  |  |  |
| Street | Street of the customer | nvarchar | 50 |  |  |  |  |  |  |  |
| City | City of the customer | nvarchar | 50 |  |  | Tampa |  |  |  |  |
| State | State of the customer | char | 2 |  |  | FL |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the customer | nvarchar | 5 |  |  |  |  | ([Zip] like '[0-9][0-9][0-  9][0-9][0-9]') |  |  |
| Phone | Phone number of the customer | nvarchar | 13 |  |  | none  provided |  | ([Phone] like '[0-9][0-9][0-9]-[0-9][0-9][0-9]-[0-9][0-9][0-9][0-9]' OR [Phone] like 'none provided') | Y |  |
| Email | Email of the customer | nvarchar | 50 |  |  |  |  |  |  |  |

Table: **Family**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| CustomerID | **FK** to Customer table | int |  |  |  |  |  |  |  | Y |
| FamilyID | Unique Customer family’s ID | int |  |  |  |  |  |  |  |  |
| FirstName | First name of the family member | nvarchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the family member | nvarchar | 50 |  |  |  |  |  |  |  |