## Database Entities

* **Store**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| Entity | Description |
| StoreID | Identity column |
| Code | Store code |
| Name | Name of the store |
| IsActive | Whether store is currently active |
| CreatedBy | ID of the user who created the store in the system |
| CreatedOn | Date when store was created in the system |
| LastModifiedBy | ID of the last user who modified the store in the system |
| LastModifiedOn | Date when store was last modified in the system |

* **User**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| UserID | identify column |
| UserName | User Name |
| DisplayName | Name to be shown in the display screen |
| FullName | Full name of the user |
| EmailAddress | Email Address |
| IsActive | Whether user is active in the system |
| CreatedBy | ID of the user who created the user in the system |
| CreatedOn | Date when user was created in the system |
| LastModifiedBy | ID of the last user who modified the user in the system |
| LastModifiedOn | Date when user was last modified in the system |

* **Role**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| RoleID | identity column |
| Name | Name of the role (e.g. Technician Administrator, Customer) |
| IsActive | Where role is active in the system |
| ReadAccess | Whether role has permission to read |
| WriteAccess | Where role has permission to write |
| CreatedBy | ID of the user who created the role in the system |
| CreatedOn | Date when role was created in the system |
| ModifiedBy | ID of the last user who modified the role in the system |
| ModifiedOn | Date when role was last modified in the system |

* **UserRole**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| UserRoleID | identity column |
| UserID | User ID that needs permission to role |
| RoleID | Role ID of the role that need permission to |
| IsActive | Whether permission is active in the system |
| CreatedBy | ID of the user who created the permission in the system |
| CreatedOn | Date when permission was first granted in the system |
| ModifiedBy | ID of the last user who modified the permission in the system |
| ModifiedOn | Date when permission was last modified in the system |

* **UserSetting**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| UserSettingID | Identify column |
| SettingID | ID of the profile setting |
| Value | Value of the profile setting (e.g. Celsius or Fahrenheit) |
| UserID | ID of the user for this profile |
| CreatedBy | ID of the user who created the user setting in the system |
| CreatedOn | Date when user setting was created in the system |
| ModifiedBy | ID of the last user who modified the user setting in the system |
| ModifiedOn | Date when user setting was last modified in the system |

* **ProfileSetting**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| ProfileSettingID | Identity column |
| Name | Name of the setting (e.g. Temperature) |
| CreatedBy | ID of the user who created the permission in the system |
| CreatedOn | Date when profile setting was created in the system |
| ModifiedBy | ID of the last user who modified the role in the system |
| ModifiedOn | Date when role was last modified in the system |

* **Device**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| DeviceID | Identity column |
| Name | Name of the defrost device |
| StoreID | Store ID of the store where the defrost ID is installed |
| ModBusID | ModBus ID |
| IPAddress | IP Address of the defrost device to communicate to the network |
| IsMaster | Whether device is a master device |
| MasterID | If yes, input the master ID (referencing ID to same table) |
| CreatedBy | ID of the user who created the device in the system |
| CreatedOn | Date when device was created in the system |
| ModifiedBy | ID of the last user who modified the device in the system |
| ModifiedOn | Date when device was last modified in the system |

* **Parameter**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| ParameterID | Identity column |
| Name | Name of the parameter (e.g. Manufacturer name, Temp, DefrostSpeed) |
| IsReadOnly | Whether parameter is read only |
| DeviceID | ID of the defrost device from master or slave |
| CreatedBy | ID of the user who created the parameter in the system |
| CreatedOn | Date when parameter  was initially in the system |
| ModifiedBy | ID of the last user who modified the parameter  in the system |
| ModifiedOn | Date when parameter  was last modified in the system |

* **DeviceParameter**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| DeviceParameterID | Identity column |
| ParameterID | ID of the defrost device parameter |
| Name | Name of the |
| Value | Value of the device parameter |
| DeviceID | ID of the defrost device |
| CreatedBy | ID of the user who created the permission in the system |
| CreatedOn | Date when permission was initially in the system |
| ModifiedBy | ID of the last user who modified the role in the system |
| ModifiedOn | Date when role was last modified in the system |

* **Asset**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| AssetID | Identity column |
| AssetName | Name of the asset (e.g. Freezr Rm) |
| DeviceID | ID of the defrost ID |
| AssetTag | Asset tag |
| CreatedBy | ID of the user who created the asset in the system |
| CreatedOn | Date when asset was created in the system |
| ModifiedBy | ID of the last user who modified the asset in the system |
| ModifiedOn | Date when asset was last modified in the system |

* **Alert**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| AlertID | Identity column |
| AssetID | ID of the asset |
| AlertOccuredOn | Date when alert has occurred |
| ReceivedOn | Date when alert is received |
| CurrentValue | Current value of the sensor |
| AdvisedValue | Advised value of the sensor |
| Description | Reason alert is active |
| Status | Status of the alert |
| AlertType | Type of alert (e.g. Alarm or ReturnedToNormal) |
| ReturnToNormalID | ID of returned to normal alert |
| EventID | ID of the event |

* **Event**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| EventID | Identity column |
| Name | Name of the event (e.g. Overheating, hardware failure) |
| Value | Value of the event (e.g. On/Off, above 30C temp) |
| Description | Description of the event |
| IsActive | Whether event is active in the system |
| CreatedBy | ID of the user who created the event in the system |
| CreatedOn | Date when event was created in the system |
| ModifiedBy | ID of the last user who modified the event in the system |
| ModifiedOn | Date when event was last modified in the system |