## Database Entities



DOD Database Entities Relationship

* **Store**

|  |  |
| --- | --- |
| **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 | Identity column |
| UserName | User Name |
| DisplayName | Name to be shown in the display screen, if needed. |
| 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, Technician, Developer) |
| IsActive | Whether role is active in the system |
| ReadAccess | Whether role has permission to read |
| WriteAccess | Whether 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 |
| LastModifiedBy | ID of the last user who modified the role in the system |
| LastModifiedOn | Date when role was last modified in the system |

* **UserRole**

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

* **ProfileSetting**

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

* **UserSetting**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| UserSettingID | Identity column |
| ProfileSettingID | ID of the profile setting |
| Value | Value of the user setting (e.g. Celsius/Fahrenheit) |
| UserID | ID of the user for this setting |
| CreatedBy | ID of the user who created the user setting in the system |
| CreatedOn | Date when user setting was created in the system |
| LastModifiedBy | ID of the last user who modified the user setting in the system |
| LastModifiedOn | Date when user setting 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 device 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 |
| LastModifiedBy | ID of the last user who modified the device in the system |
| LastModifiedOn | Date when device was last modified in the system |

* **Parameter**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| ParameterID | Identity column |
| Name | Name of the parameter (e.g. Hardware Version, Serial Number, Defrost Request) |
| Size | Size (8 or 16-bit words) of the parameter |
| ReadAccess | Whether parameter can be read |
| WriteAccess | Whether parameter can be written |
| DeviceID | ID of the defrost device from master or slave |
| Description | Description of the parameter |
| CreatedBy | ID of the user who created the parameter in the system |
| CreatedOn | Date when parameter  was initially in the system |
| LastModifiedBy | ID of the last user who modified the parameter  in the system |
| LastModifiedOn | 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 device parameter in the system |
| CreatedOn | Date when device parameter was initially in the system |
| LastModifiedBy | ID of the last user who modified the device parameter in the system |
| LastModifiedOn | Date when device parameter 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 device |
| AssetTag | Asset tag |
| CreatedBy | ID of the user who created the asset in the system |
| CreatedOn | Date when asset was created in the system |
| LastModifiedBy | ID of the last user who modified the asset in the system |
| LastModifiedOn | 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 |

* **AlertEvent**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| AlertEventID | 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 |
| SendAlert | Whether alert should be sent out |
| IsActive | Whether event is active in the system |
| CreatedBy | ID of the user who created the alert event in the system |
| CreatedOn | Date when alert event was created in the system |
| LastModifiedBy | ID of the last user who modified the alert event in the system |
| LastModifiedOn | Date when alert event was last modified in the system |

* **Report**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| ReportID | Identity column |
| Name | Name of the report (e.g. HACCP, DOD Activity) |
| IsMobileView | Report view is for mobile |
| IsWebView | Report view is for web browser |
| IsActive | Whether event is active in the system |
| CreatedBy | ID of the user who created the report in the system |
| CreatedOn | Date when report was created in the system |
| LastModifiedBy | ID of the last user who modified the report in the system |
| LastModifiedOn | Date when report was last modified in the system |

* **UserReport**

|  |  |
| --- | --- |
| **Entity** | **Description** |
| UserReportID | Identity column |
| UserID | ID of the user who has access to the report |
| ReportID | ID of the report |
| CreatedBy | ID of the user who granted access to report in the system |
| CreatedOn | Date when user access to report was granted in the system |
| LastModifiedBy | ID of the last user who modified the user access to the report in the system |
| LastModifiedOn | Date when user access to report was last modified in the system |