Fault_tbl

NameID	Data Type	Format / Size	Primary key	Foreign key
Fault_ID	Integer	Auto Increment	Yes	No
Fault Date	Datetime	Date	No	No
Priority Level	varchar	10 characters	No	No
Fault Description	varchar	100 characters	No	No

Staff_tbl

NameID	Data Type	Format / Size	Primary key	Foreign key
Support_ID	Integer	Auto Increment	Yes	No
Staff First Name	varchar	100 characters	No	No

Client_tbl

NameID	Data Type	Format / Size	Primary key	Foreign key
Client_ID	Integer	Auto Increment	Yes	No
Client Surname	varchar	100 characters	No	No

Client Address	varchar	100 characters	No	No
Client Postcode	varchar	10 characters	No	No

Site_tbl

NameID	Data Type	Format / Size	Primary key	Foreign key
Site_ID	Integer	Auto Increment	Yes	No
Site Name	varchar	50 characters	No	No
Site Capacity	Integer	Whole number	No	No

Client_Fault_tbl

NameID	Data Type	Format / Size	Primary key	Foreign key
Client_Fault_ID	Integer	Auto Increment	Yes	No
Fault_ID	Integer	Auto Increment	No	Yes
Support_ID	Integer	Auto Increment	No	Yes
Client_ID	Integer	Auto Increment	No	Yes
Site_ID	Integer	Auto Increment	No	Yes

Example	Null	Description
1	No	A unique identifier for all the faults.
10/12/2025	No	A date for when the fault occurred / was reported.
High	No	An identifier for the level of priority given to the fault.
PLC system error code 45	No	A description of what the fault was

Example	Null	Description
1	No	A unique identifier for all the staff members.
John	No	The staffs first name.

Example	Null	Description
1	No	A unique identifier for all the clients.
Gilbert	No	The surname for the client.

Example	Null	Description
126 Vane Avenue	No	The address of the client.
MW6 6KZ	No	The postcode of the client.

Example	Null	Description
1	No	A unique identifier for all the sites.
North Plant	No	The sites name.
200	No	The capacity of the given site.

Example	Null	Description
1	No	A unique identifier for all the client's faults.
1	No	A unique identifier for all the faults.
1	No	A unique identifier for all the staff members.
1	No	A unique identifier for all the clients.
1	No	A unique identifier for all the sites.

Data validity
Cannot be changed manually. Is Unique. Numeric and generated by the system. Must not be empty.
Must be in the date time format. In DD/MM/YYYY. Must not be empty.
Must be low, medium high or critical. Must be a string. Must not be above 10 characters. Must not be empty.
Must be a string value. Must not be above 100 characters. Must not be empty.

Data validity
Cannot be changed manually. Is Unique. Numeric and generated by the system. Must not be empty.
Must be a string value. Must not be above 100 characters. Must not be empty.

Data validity
Cannot be changed manually. Is Unique. Numeric and generated by the system. Must not be empty.
Must be string. Must not be above 100 characters. Must not be empty.

Must be string. Must not be above 100 characters. Must not be empty.
Must be string. Must not be above 10 characters. Must not be empty.

Data validity
Cannot be changed manually. Is Unique. Numeric and generated by the system. Must not be empty.
Must be a string value. Must not be above 50 characters. Must not be empty.
Must be numeric. Must be greater than 0. No text allowed. Must not be empty.

Data validity
Cannot be changed manually. Is Unique. Numeric and generated by the system. Must not be empty.
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