There are five tables in this database, form, form type, form data, form data type, and section. In the form table, the data stored in the main header data, such as site, completed by, the inspector, etc... For form type, the data, for example, would be Site Inspection form and later on, if there are other forms introduced they would be stored in this table. Form data stores form specific data such as interventions, comments, and actions taken. Form data type stores the names of each section submenu for example under working standards the five stored names would be "work at height", "Lifting operations", "Certificiation", "Confined Space Work", and "Electrical work," Lastly, the section table stores the main section headers such as working standards, quality, site rules, etc... Each table has a primary key and three of which are referenced in other tables as foreign keys. Section's primary key "section_id" is referenced in form_data_type in order to track the where each submenu's name goes according to section. Form Data Type's primary key, "form_data_type_id", is referenced in the form data table in order to store data in a way which can be retrieved by numerically sorting through the forms data. Finally Form Type's primary key, "form_type_id", is referenced in the form table to track which type of form is being created.

Form ERD

Ethan D'Souza | November 23, 2021

form

PK	form_id
FK	form_type
	site_name
	cmpltd_by
	date
	work_area
	job_desc
	supervisor
	inspector
	type

form_type

PK	form_type_id
	form_name

0...*   1..1

1..1

0...*

form_data

PK	form_data_id
FK	form_id
FK	form_data_type_id
	interventions
	comment
	action_taken

0...*   1..1

form_data_type

PK	form_data_type_id
FK	section_id
	data_type_name

0..*   1..1

section

PK	section_id
	section_name