

# DB Requirements

---

We need following tables for multi records.

- report\_table\_master
- form\_id
- form\_name
- form\_display
- created\_at
- updated\_at

- report\_field\_master
- table\_id (ref of report\_table\_master)
- field\_name
- display\_name
- field\_type
- field\_size (default to \*\*50\*\*\)
- grid\_filter\_dflt (default to \*\*text\_filter\*\*\)
- display\_size\_dflt (default to \*\*50\*\*\)
- field\_desc
- display\_position (default to \*\*left\*\*\)

## Implementation

---

Sub forms can added to main form in two ways. Either by search and add it as field on main form or via relation grid.

Sub forms settings will have a flag (checkbox) **Enable reporting**. The caseworker can enable or disable it (Default to disable).

### 1. Enabled

When it is enabled a table will be created in Database with column name as sub form field names. (for example sub form has fields with names, text\_09991,text\_33838,etc...) same will be used as column name for the table. We will also going to have a field which represent sub\_form\_field\_id (field\_name of the sub form on main form)

For Each field in sub form a corresponding record will be inserted in **report\_field\_master**

then we will create a table in DB

### 2. Disable

If Enable reporting is disabled then we will keep data as it is but we will remove corresponding values from **report\_table\_master** and **report\_field\_master**

### 3. Updating sub form structure.

---

If any sub form structure changes we will check that sub form id in **report\_table\_master** if we found it there then we will update the changes to both **report\_field\_master** and the reporting table.

## 4. Data saving

When form data is saving we will send a meta json which contains the subform\_id