Multi Record implementation  
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# Overview

## Stored Procedures Required

We need 3 stored procedures for multi record implementation.

1. **usp\_RptTblCreation** (Dynamic table creation)
2. **usp\_UpdateRptSubformTbl** (Inserting and updating the subform tables created)
3. **usp\_GetRptSubformDetails** (Fetching data from subform tables)

## Functionality

1. **usp\_RptTblCreation**

**Input parameters**

1. @subform\_id int
2. @subform\_name varchar(100)

* When a sub form is inserted and ‘is reportable’ is enabled from its field settings, This sp is called and that subform\_id and name is passed as input parameters.
* From forms table ,we’ll fetch the definition\_xml for the subform\_id specified.We’ll create a table with name as something like ‘RptTbl\_subformname\_id’and column names as each fieldname defined in the definition\_xml.

The created table will have these additional columns-

1. Id
2. Form\_id
3. User\_id
4. Connid
5. Contactid
6. Connectionid
7. CreatedBy
8. CreatedAt

* After that we’ll insert into ReportTableMaster these things-

TableId - Identity value

TableName - @subform\_name

TableDisplayName - @subform\_name

TableType – Ancillary ,

if there is no record for that subform in ReportTableMaster.

* Then insert/update field details into, ReportFieldMaster and ReportFieldMasterBase tables
* Finally it Inserts field relation details between master and ancillary tables into ReportTblRelation table.

1. **usp\_UpdateRptSubformTbl**

**Input parameters**

**@xml\_data xml**

**Sample Format-**

<xml>

<txt\_001>Field Value 1</txt\_001>

<txt\_002> Field Value 2</txt\_002>

......

<subform\_field\_name>subform\_001</subform\_field\_name>

</xml>

From the **@xml\_data** we’ll separate the field names and values, and insert/update the corresponding subform table.

1. **usp\_GetRptSubformDetails**

**Input parameters**

1. @form\_id
2. @subform\_name

Retrieval of sub form data for the corresponding @subform\_name inside the form with id @form\_id

# Approval and Authority to Proceed

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