Grid 1 has C1, C2 columns

C1 has labels which are read only and C2 has values which are entered by the user the labels may increase or decrease from month to month.

 C1 C2

Name Sachin

Place USA

Address 1-3-4

Grid 2 has C1, C2, C3,C4 columns

C1 has labels which are read only C2, C3,C4 has values which are entered by the user. C1 labels may increase or decrease from month to month

C1 C2 C3 C4

Company amazon online shopping Good

Place Bangalore green city Very Good

Below is the example for Approach 2 storing the data:

let’s say this table as Approach2 table which has columns-> column1,column2,column3

This table is common table for both the grids (grid 1 and grid 2).

 Column1 and column2 has keys to recognize the grids and columns.

 column3 has values entered by the user

Id (AI) Column1 column2 column3

1 grid 1 C1 name

2 grid 1 C1 place

3 grid 1 C1 address

4 grid 1 C2 Sachin

5 grid 1 C2 USA

6 grid 1 C2 1-3-4

7 grid 2 C1 Company

8 grid 2 C1 Place

9 grid 2 C2 amazon

10 grid 2 C2 Bangalore

11 grid 2 C3 online shopping

12 grid 2 C3 green city

13 grid 2 C4 Good

14 grid 2 C4 Very Good

When i want to edit the data using related actions. I will pull the data and map the values in existing CDTS of respective grids grid 1 and grid 2 give and option to edit and

When user submits the form, again map the data to the above table (Approach 2 table) update the data. This approach will avoid number of tables.

Below is the example for approach 1 storing the data:

This has two tables where Grid 1 and Grid 2 are stored in separate tables

Grid 1 is stored as below in table 1

Id(AI) C1 C2

1 name Sachin

2 place USA

3 address 1-3-4

Grid 2 is stored as below in tables 2

Id (AI) C1 C2 C3 C4

1 company amazon online shopping Good

2 place Bangalore green city Very Good

When user wants to edit, we will pull the data and give and option to edit and submit the values. This approach will increase number of tables.

Apply this use case for up to 15 grids, which has different combinations of rows and columns.

Also the table which we store the data has foreign key relationship with other table. As in my above post with order number XYZ123.

We also need to show record and reports for this.

Please suggest the best one.