

Learner's Guide for Visual Data Entry

What is this guide?

This guide contains all exercises and detailed steps to perform them related to the review of **Relationships** for the Android Level 1 academy. Please perform each of the exercises when prompted to by your instructors

Learning objectives for this session

1. Describe how visual configuration can be used to display icons and colours for data elements and option sets
2. Demonstrate how to configure Option Sets for visual data entry
3. Demonstrate how to configure Program Stages for visual data entry

Exercise 1 - Review visual data entry in Android

Perform this exercise using the DEMO program

In order to review visual data entry, you can search for an existing case or register a new record.

After you have accessed an existing or new child, add or edit the event for the birth details stage. The date of the event can be the same as their date of birth.

← Edit child

Local ID: AX6789

Child Number: 1024

First Name: Jane

Last name: Thompson

Date first seen: 13/11/2022

Owned by: 0001 CH Mahosot

▼ Show more

Birth Details

13/11/2022

Registered in: 0001 CH Mahosot

Not completed

Immunization

05/02/2023

Registered in: 0001 CH Mahosot

Not completed

Details Analytics Relations Notes

There are 4 sections within this program stage.

1. Details: Basic info on the birth and the mother
2. Type: Data element with an option set. Uses the default dropdown layout for an option set
3. Place: Uses the matrix layout and has a visual configuration for a data element
4. Mode: Use the sequential layout and has a visual configuration for a data element

You can expand each of the 4 sections in order to review how these different layout types appear on the android device.

Birth Details

75%

Type1/1

^ Hide fields

Birth type

Triplet

Birth type (singleton, twin, tr... Show more

→ Next

Place1/1

▼ Show fields

Mode1/1

▼ Show fields

Form

Charts

Notes

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→ Next

The screenshot shows a mobile application interface for 'Birth Details'. At the top, there is a blue header bar with a back arrow, the title 'Birth Details', a refresh icon, a progress indicator showing '75%', and a menu icon. Below the header, the word 'Mode' is displayed with '1/1' next to it. A link 'Hide fields' with an upward arrow is visible. The main content area is a light blue box titled 'Mode of Delivery'. It contains five selectable options, each with an icon and text: 'C-section' (stretcher icon), 'Forceps' (forceps icon), 'Unknown' (magnifying glass icon, currently selected with a blue border), 'Vaccum' (person with arrow icon), and 'Vaginal/Normal' (hand holding leaves icon). Below this box, a label 'Mode of birth (vaginal/normal, for...' is partially visible next to a 'Show' link. A blue save button with a floppy disk icon is positioned to the right of the label. At the bottom, there is a navigation bar with three icons: a pencil for 'Form', a bar chart for 'Charts', and a notepad for 'Notes'.

STOP - End Exercise 1

Configuration Guidance

Perform this exercise using the admin account to access YOUR PROGRAM

In order to visually configure data elements with option sets, we can follow this procedure:

1. Add icons and colours to each option within an option set

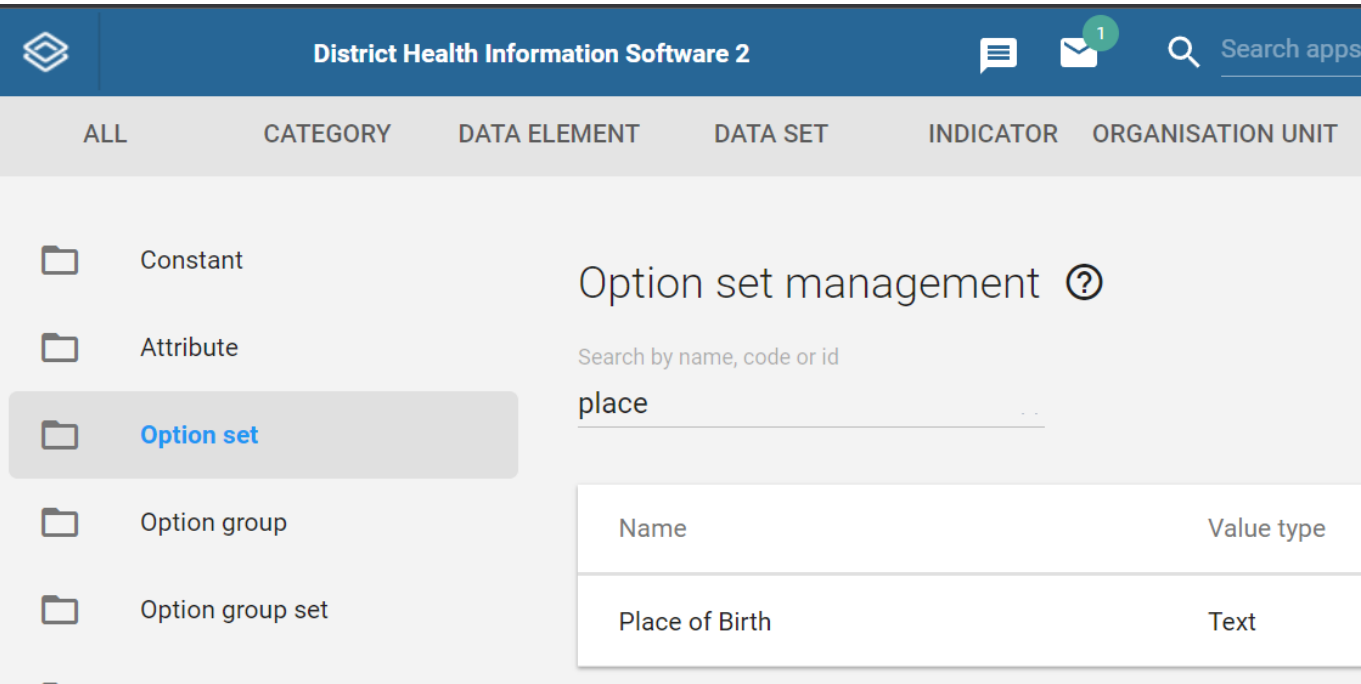
- 2. Add the data elements using these option sets to sections within a program stage
- 3. Configure the program stages to use either the matrix or sequential layout rendering type

Editing option sets

To perform this exercise, use the account assigned to you to access YOUR PROGRAM.

Lets start by editing our option sets.

Navigate to Option set within the maintenance app and find the option set "Place of Birth"



Open the option set and navigate to options.

This is where we can edit each option to use an icon and/or colour if we want to.

Select the option then select edit

← Option set ⓘ

PRIMARY DETAILS

OPTIONS


< >

E


SORT BY CODE/VALUE

SORT MANUALLY


Name	Code
Home	Home
Hospital	
Health Facility	
Unknown	Unknown



Edit



Delete



Translate

ADD OPTION

From here, we can select an icon or colour

Edit option

Name (*)

Home

Code (*)

Home

Color

SELECT COLOR

Icon



CHANGE ICON

REMOVE ICON

SAVE

CANCEL

In this case, we can see an icon has already been applied. Select "Change icon" this will bring up the icon selector.

Select icon

Search for icons

ALL

POSITIVE

NEGATIVE

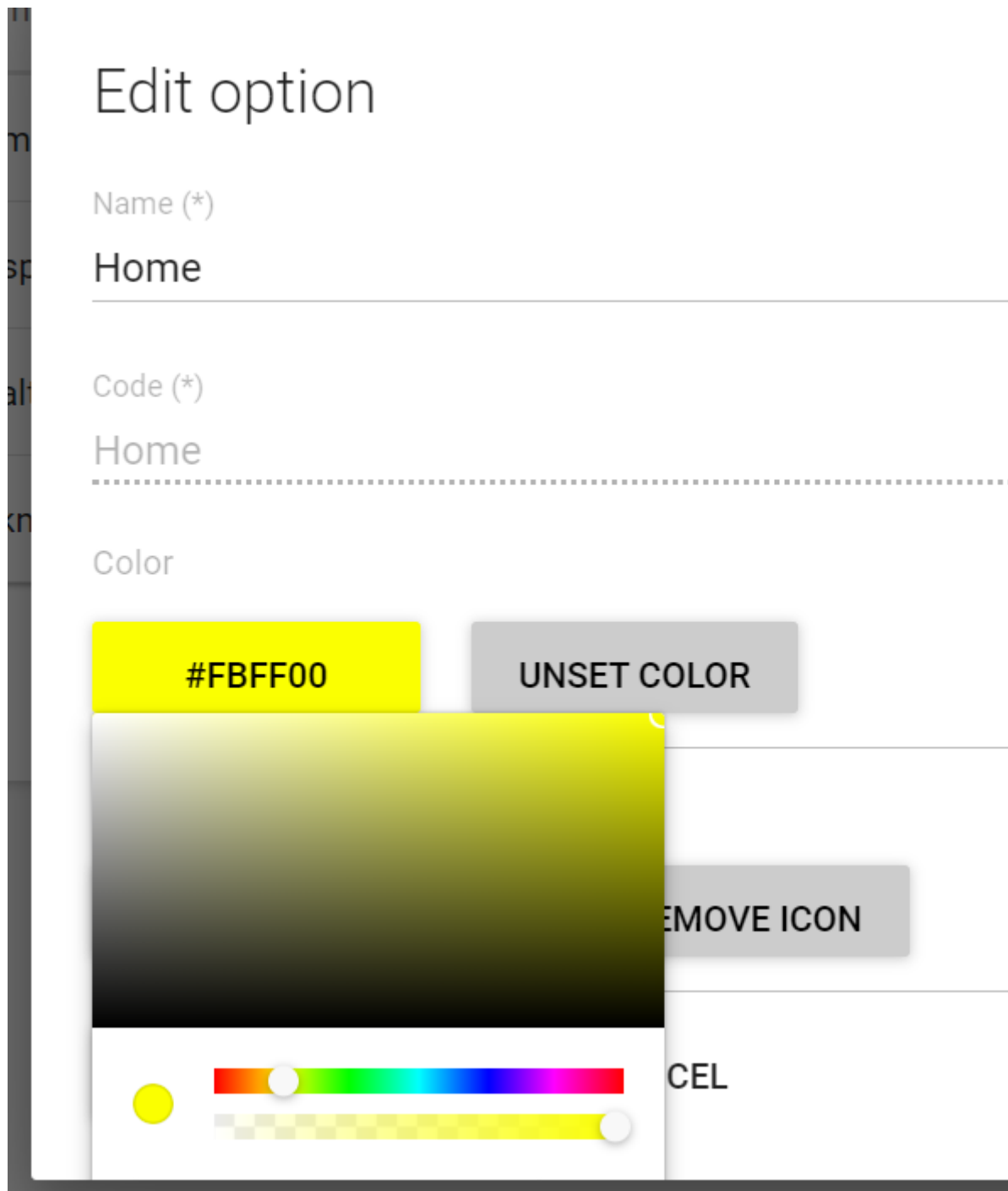
OUTLINE

home



You can select a different icon in order to show the effect this has.

There is no color currently selected for this icon. We could also select a color so it changes from the default.



The screenshot shows a web form titled "Edit option". It has three main input fields: "Name (*)" with the value "Home", "Code (*)" with the value "Home", and "Color". The "Color" field is currently displaying a yellow color with the hex code "#FBFF00". A color picker overlay is open, showing a gradient bar with a white slider and a small circular color selector. To the right of the color field, there are two buttons: "UNSET COLOR" and "REMOVE ICON". Below the color field, there is a "CEL" label.

When this is done, Save the changes made to the option.

You can then Save the option set.

Review the program stage setup

Navigate to program maintenance and open the immunization program. From here, select the "Birth Details" stage from the Program stages tab

← Tracker Program ?

Immunization

1 Program details

2 Enrollment details

3 Attributes

4 Program stages

5 Access

6 Notifications

Name	Last updated
Birth Details	November 14, 2... <div></div>
Immunization	November 14, 2... <div></div>

Navigate down to the "Create data entry form" section of the program stage

3 Create data entry form

BASIC

SECTION

CUSTOM

Custom forms take precedence over section forms if both are present. Only section forms are supported by the Android app. If no custom or section form is defined, the basic form will be used.

Details

Filter elements

Birth weight (kg)

Gestational age (weeks)

Parity

ADD SECTION TO FORM

Available data elements

Filter elements

Birth type

Birth weight (kg)

Delivery Mode

Find the "Place of birth" section for this form.

Place

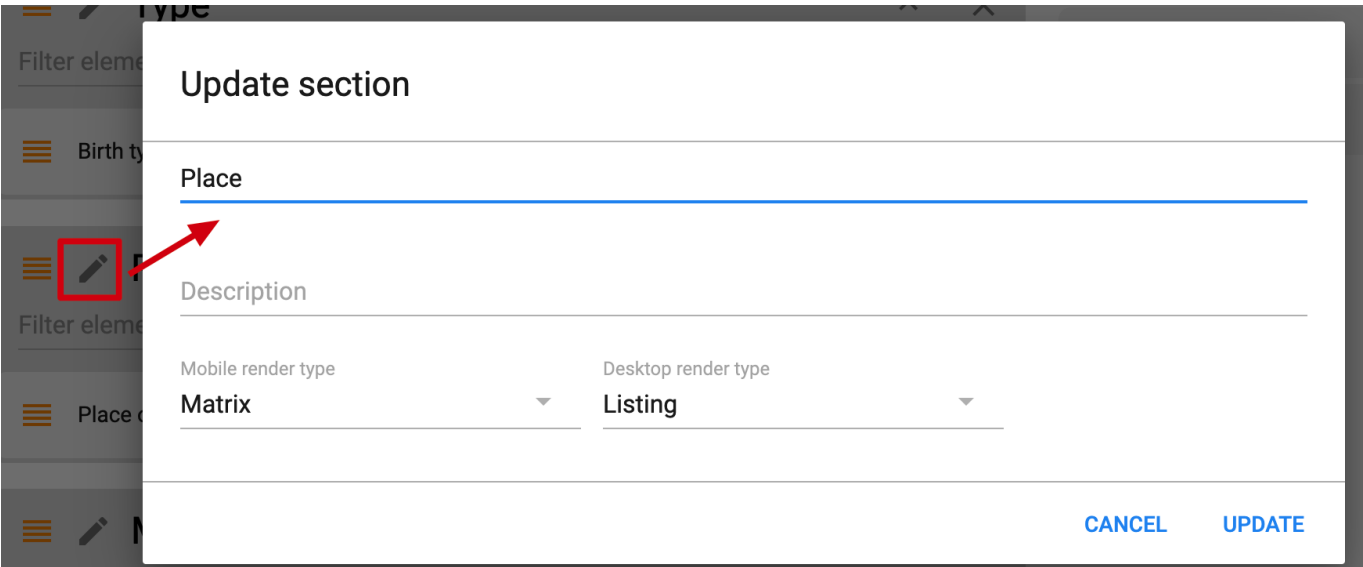
Filter elements

Place of Birth

We can see it has one data element for place of birth. This data element is using the place of birth option set that we have just edited.

Select the pencil icon in order to edit this section

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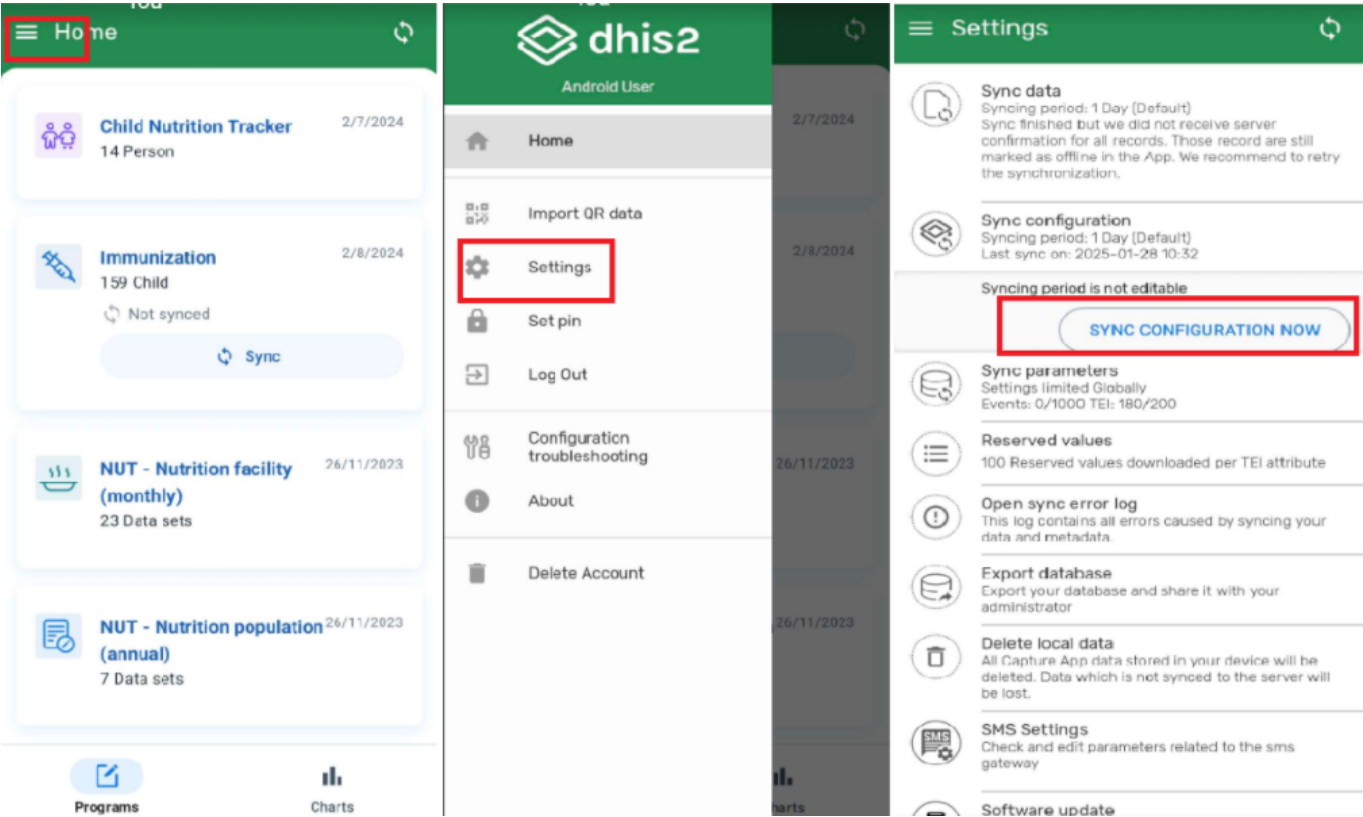


Set the mobile render type to "Matrix." This will render this options in quadrants as per our table within the presentation for this session.

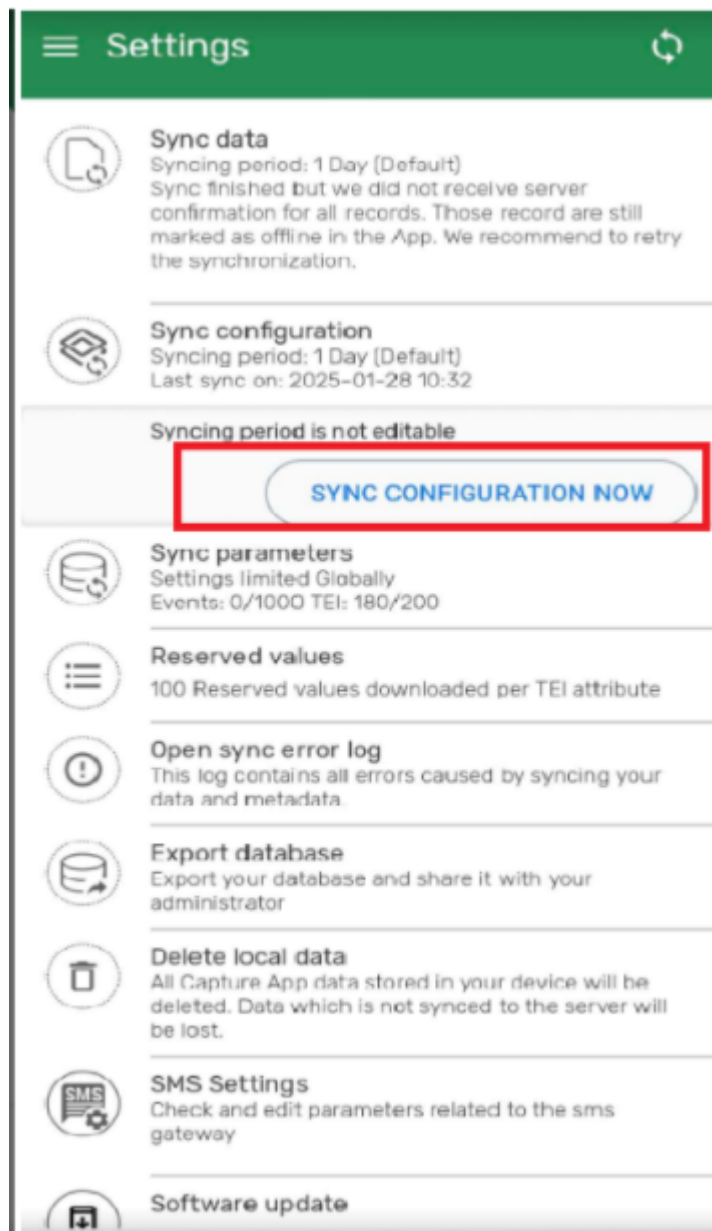
Sync and review changes on the device

To see this update reflected on the device, we need to sync our configuration

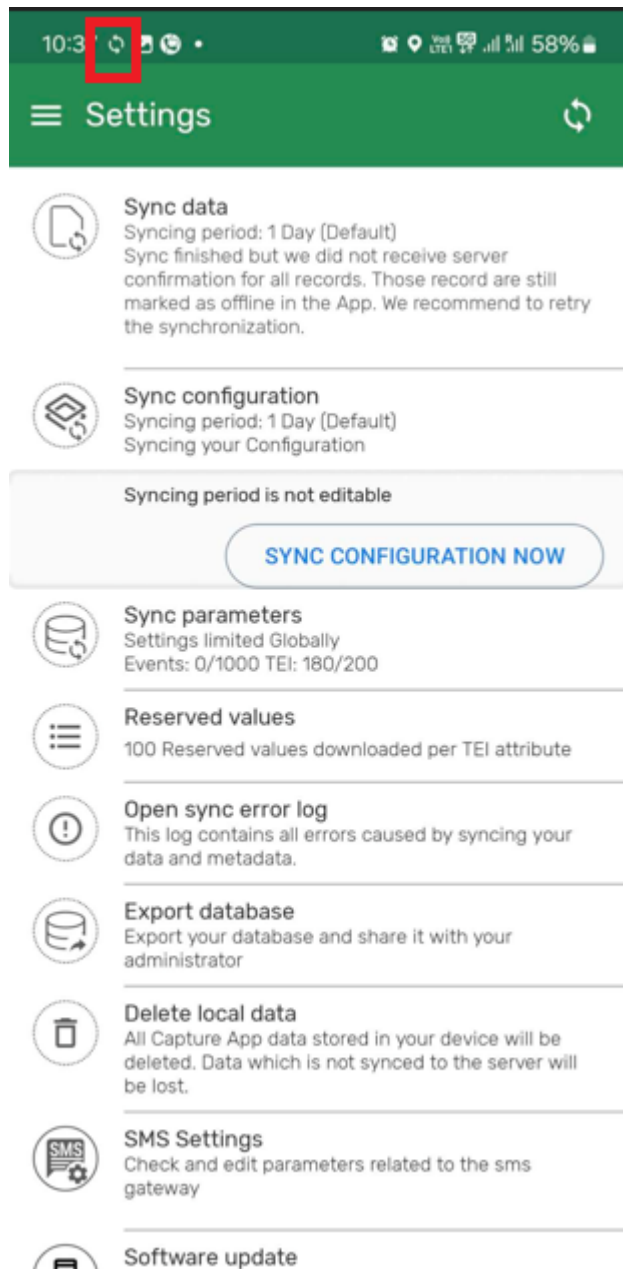
Exit out of the program and navigate back to the home screen. From here select the settings menu, select settings and finally sync configuration



After select sync configuration you can select "sync configuration now"



Give the device a moment to sync. You will see a sync status icon in your device notification pane. You can expand your pane to see the sync status.



Once this is finished, navigate back to the program to view the change you have made.

If we re-examine the birth details stage and open the "Place" section, we will see the home icon has been updated with a new icon and colour scheme.

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