

LECTION METHODS

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**TRAINING DELIVERY 2022
(IDeAMapSudan)**

INTEGRATED DEPRIVATION AREA MAPPING SYSTEM FOR DISPLACEMENT DURABLE SOLUTIONS AND
SOCIOECONOMIC RECONSTRUCTION IN KHARTOUM, SUDAN

228323620



[https://support.kobotoolbox.org/welcome.ht
ml](https://support.kobotoolbox.org/welcome.html)



(1)

INTRODUCTION
ABOUT
KOBOTOOLBO
X

(2)

TUTORIAL

(3)

EXERCISE

Index



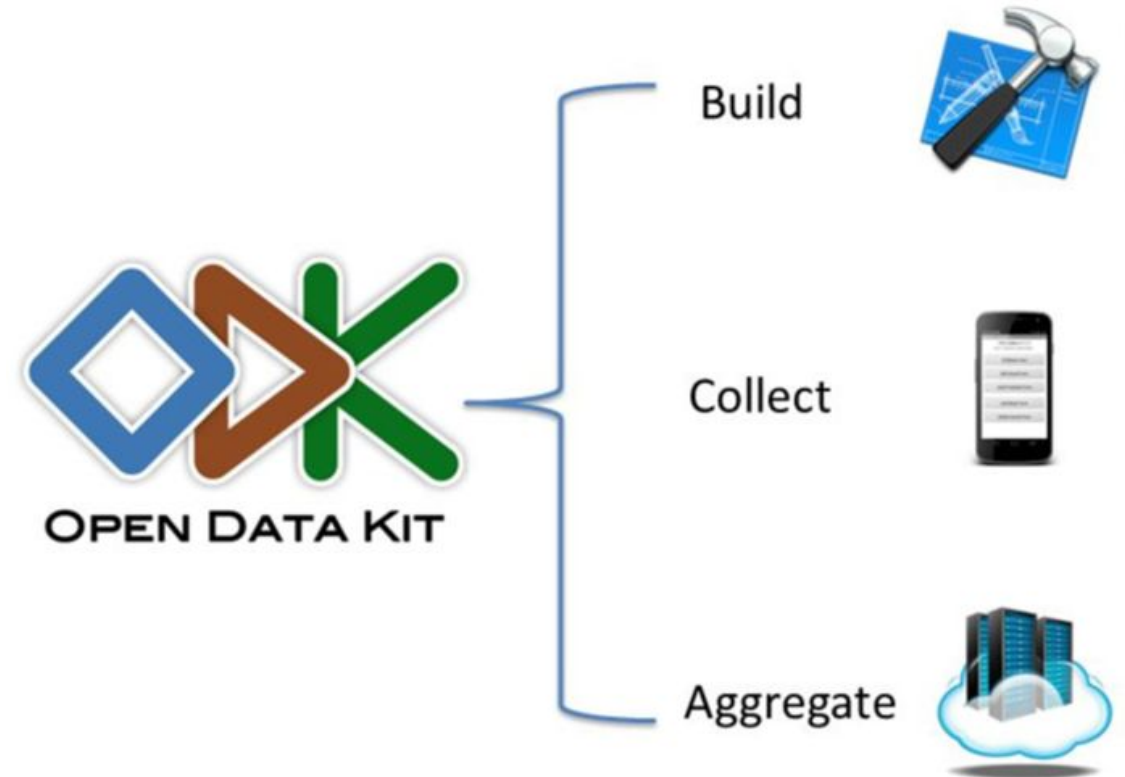
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INTRODUCTION

- About Open Data Kit
- KoboToolbox

Open Data Kit (ODK) is an open source platform designed to collect field data in resource constrained environments.

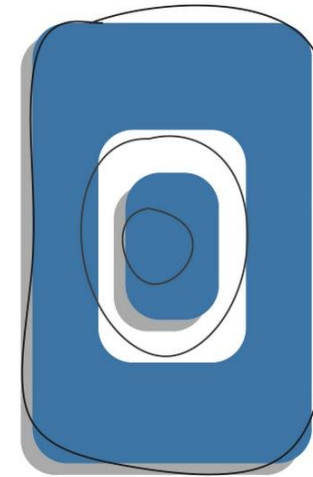
This means **no internet connection is necessary** during the collection phase – the data can be uploaded when the surveyor has a network connection. It also means that it can be used over any entry level android phone (minimum requirement is android 2.1 which was released in 2010). iPhones can also be used as long data collection is done through Enketo Web Forms.



KoboToolbox, which we will be using for this exercise, is an implementation of **Open Data Kit**, in fact, forms built with KoboToolbox can be used in ODK such is the familiarity between the two platforms.

There are no fundamental differences between these two platforms, but **KoboToolbox** offers a **better** user interface, especially when it comes to design your form.

Nevertheless, if you understand how KoboToolbox works you should have no problem in using ODK and vice-versa.



KoBoToolbox

KoboToolbox

ONE FORM

Text text text text
text

MANY
SURVEYORS

ONE DATASET

WHAT ARE THE KEY ACHIEVEMENTS?

Design the form
(i.e. questionnaire) once

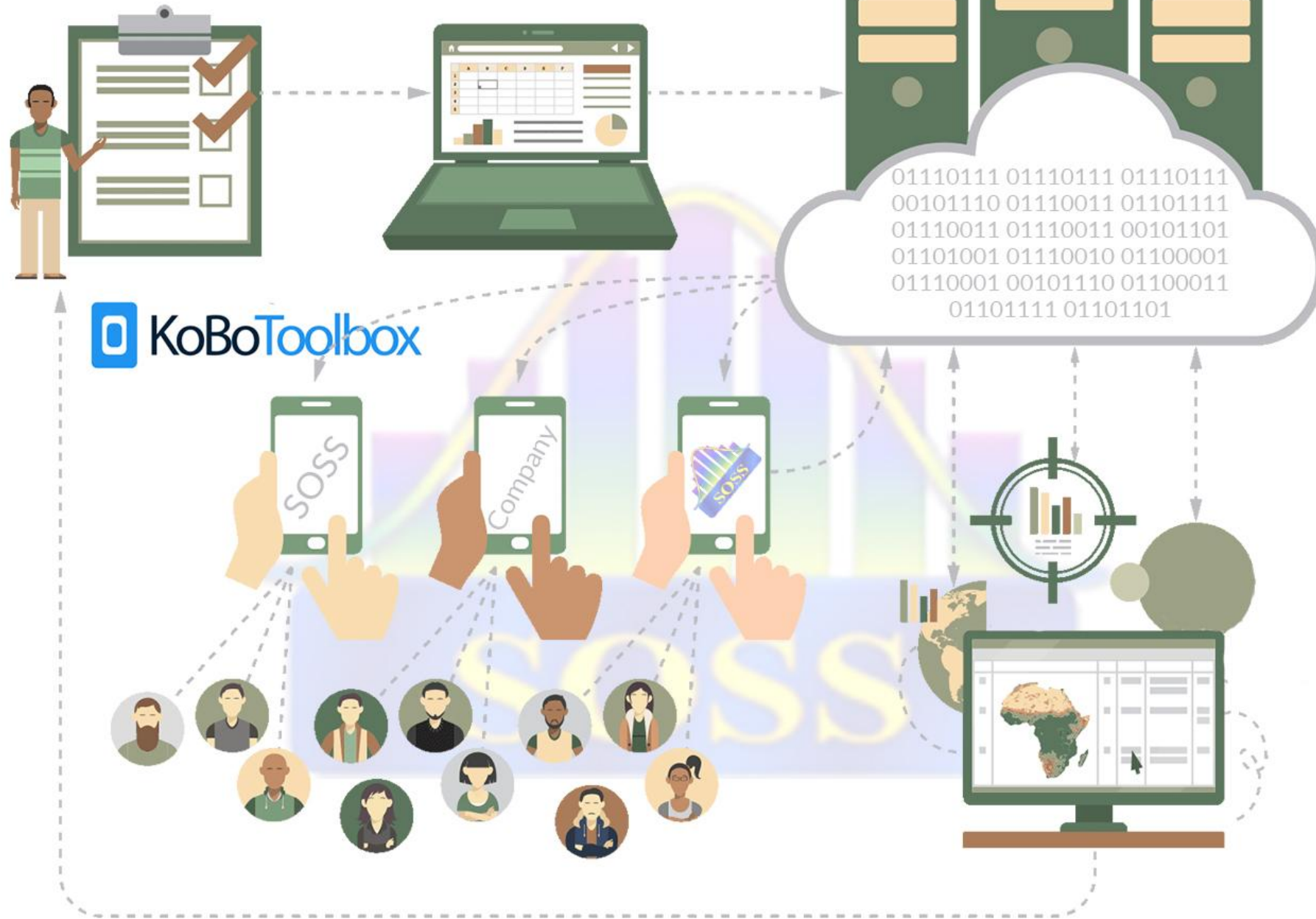
Distribute it to as many
surveyors (i.e. phones) as
you want

you end up with all the surveys
aggregated in
a single dataset

Process collected data and use
it for further analysis

KoboToolbox

Data Collection





(2) TUTORIAL

- Setting up
- Building a survey form
- Using a survey form
- Preliminary data analysis and data download

To get started go www.kobotoolbox.com and create a new account for researchers.

KoBoToolbox HOME FEATURES **SIGN UP** ABOUT HELP

GET STARTED

Get started with KoBoToolbox now, it's free and it takes under a minute. We have two publicly-available instances of KoBoToolbox you can choose from:

Unlimited Use for Humanitarian Organizations

Provided by UN OCHA

- Unlimited Submissions
- Unlimited Data Storage
- Unlimited Projects

[CREATE AN ACCOUNT](#)

or [login](#)

Researchers, Aid Workers & Everyone Else

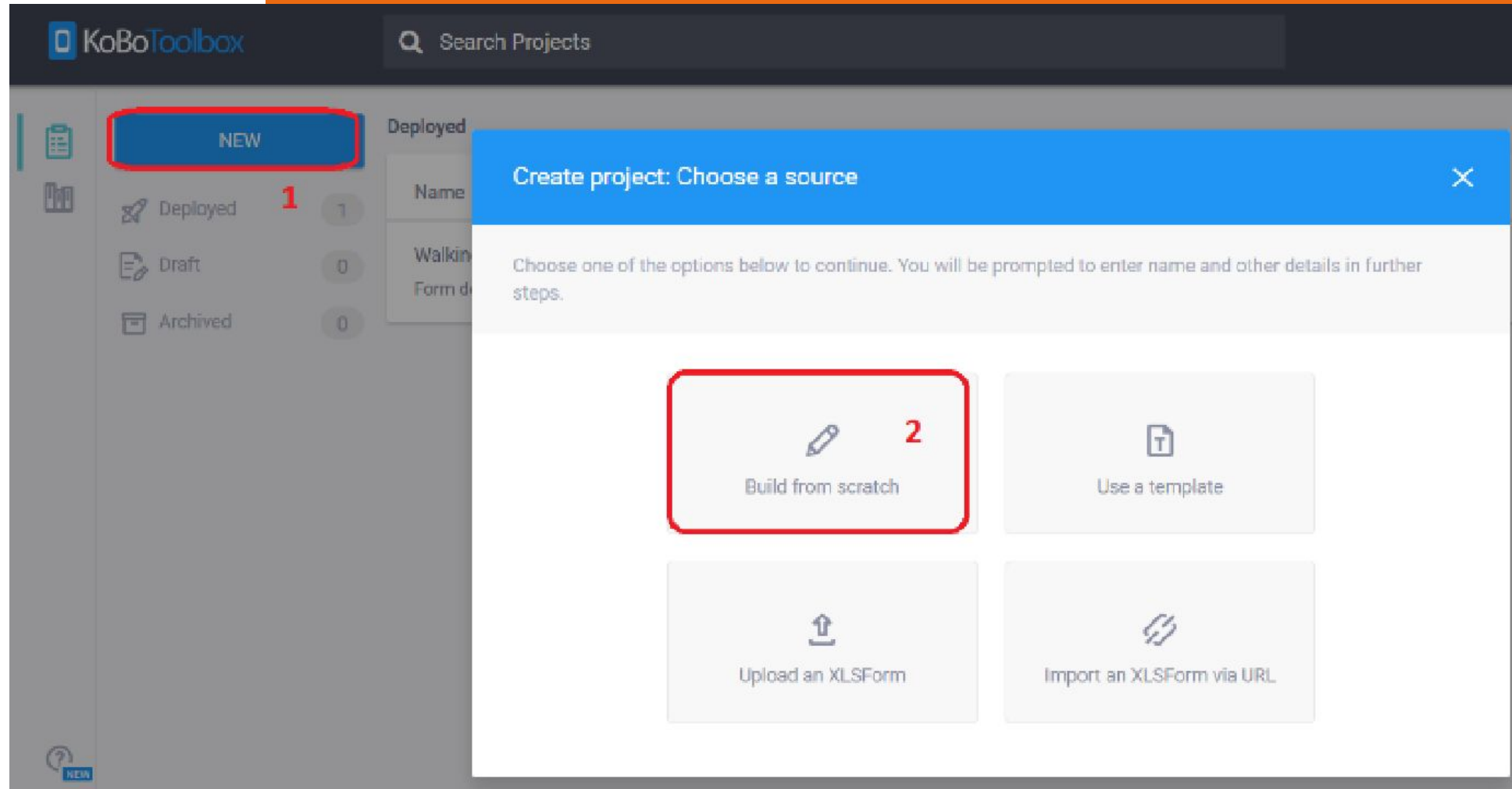
Provided by KoBoToolbox

- 10,000 Submissions Per Month
- 5GB of Data Storage Per Month
- Unlimited Projects

[CREATE AN ACCOUNT](#)

or [login](#)

To start a new project (i.e. form), click on **New [1]** and then choose Build from **scratch [2]**.



Fill in the project details
as follows:

Project name: Test_[your
name]

Description: Test survey
by [your name]

Create project: Project details



Project Name

Test_s7856358

Description

Test survey by s7856358

Please specify the country and the sector where this project will be deployed.

Sector

Select...

Country

Select...

☐

Help KoboToolbox improve this product by sharing the sector and country where this project will be deployed. All the information is submitted anonymously, and will not include the project name or description listed above.

BACK

CREATE PROJECT

Now use the web interface to build a simple form that consists of at least 6 **different types of questions**. Use the types listed below:

There are other types of questions you can use. Feel free to explore! Make sure you have this link at hand <https://docs.getodk.org/form-question-types/>





































it contains a detailed description of the types of questions you can use.

 Point Date Photo Select Many Select One Text

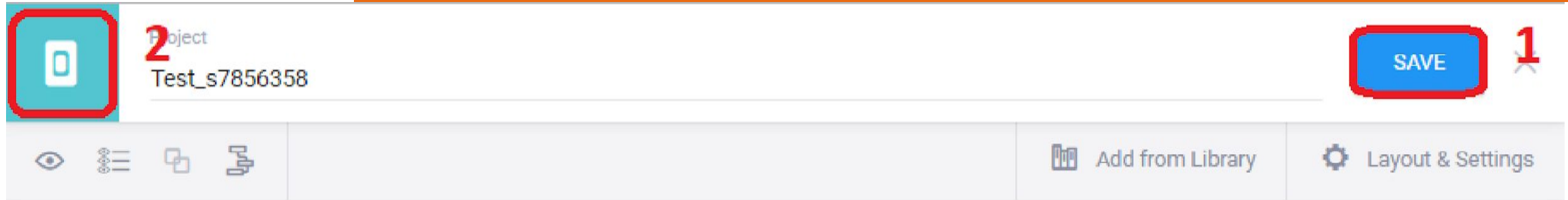
Building a form

Building a form

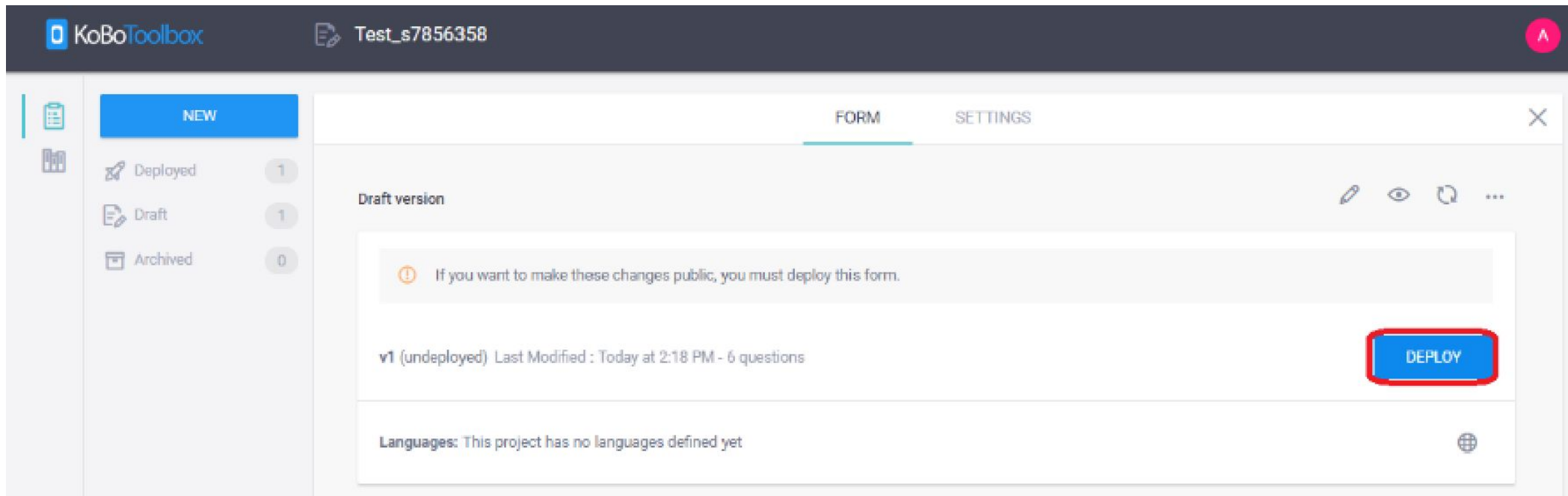
Once you are done with creating the questions, the form should look something like this:

	Record your current location <i>Question hint</i>	   
	Enter a date <i>Question hint</i>	   
	Point and shoot! Use the camera to take a photo <i>Question hint</i>	   
	New Question Which of these do you like?	   
	Apple	Value: AUTOMATIC
	Orange	Value: AUTOMATIC
	Peach	Value: AUTOMATIC
	Melon	Value: AUTOMATIC
	Banana	Value: AUTOMATIC
	+ Click to add another response...	Value: AUTOMATIC
	Are you from Antarctica? <i>Question hint</i>	   
	Yes	Value: AUTOMATIC
	No	Value: AUTOMATIC
	+ Click to add another response...	Value: AUTOMATIC
abc	What are you seeing right now? <i>Question hint</i>	   

Exit the form builder by clicking on **Save [1]** and then on the return **to list [2]**

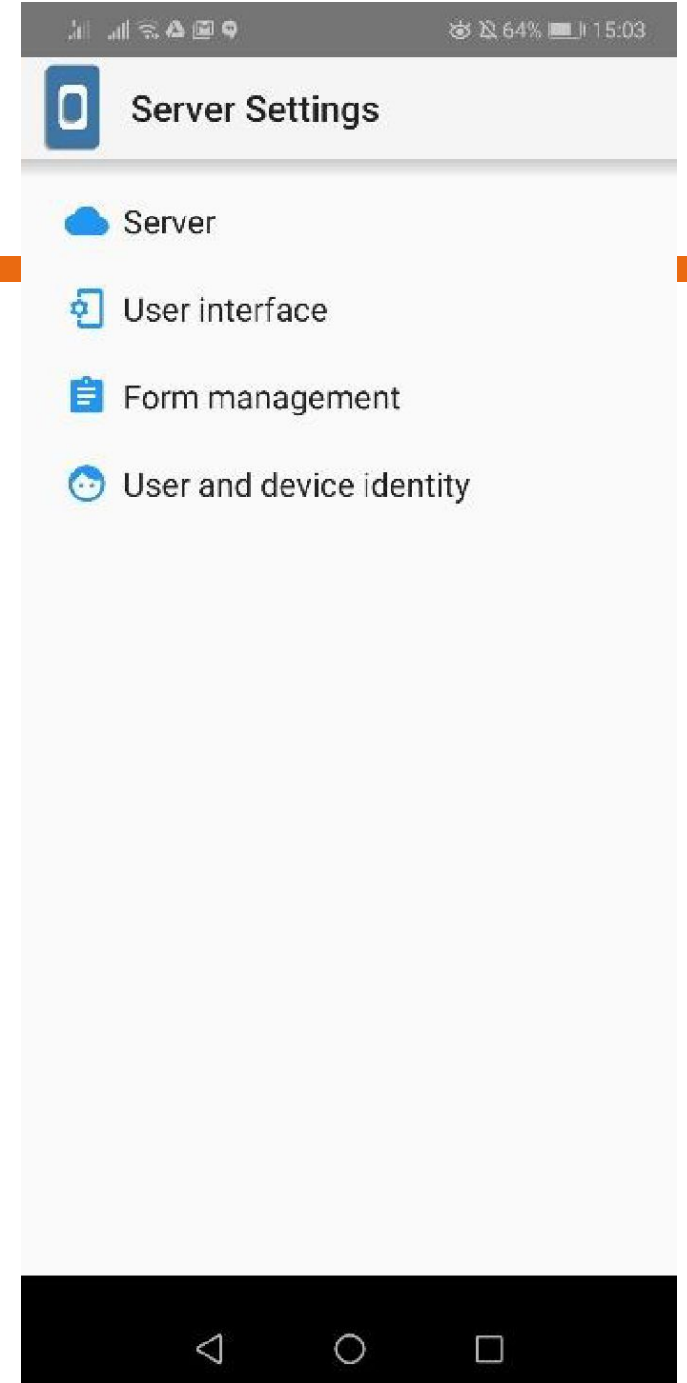
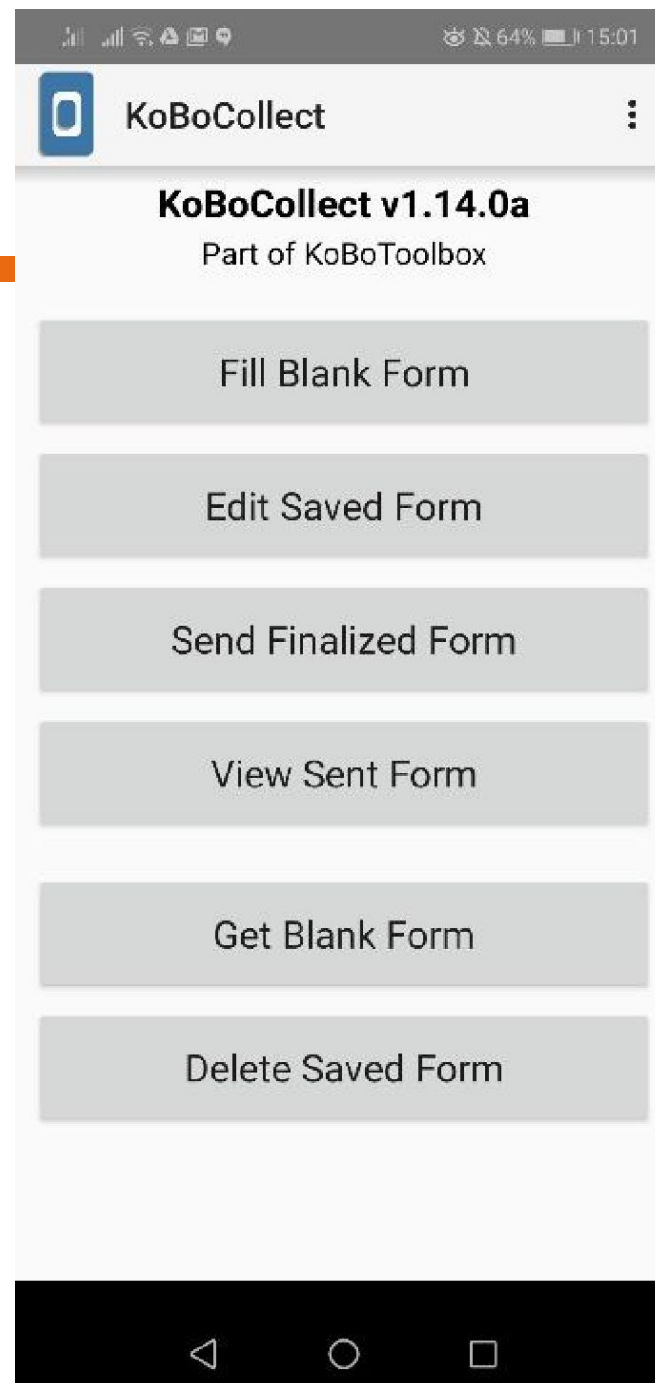


Before using the form in a phone, **you have to deploy it.**



Using the form

To use the survey, you have to go to the **Google Play Store** and install the **Kobo Collect app**. After installation is complete, open the app and follow the steps shown below.



Using the form

Server Settings

Type
KoBoToolbox

[KoBoToolbox settings](#)

URL
https://kc.kobotoolbox.org/

Username
andremano

Password

KoBoCollect

KoBoCollect v1.14.0a
Part of KoBoToolbox

Fill Blank Form

Edit Saved Form

Send Finalized Form

View Sent Form

Get Blank Form

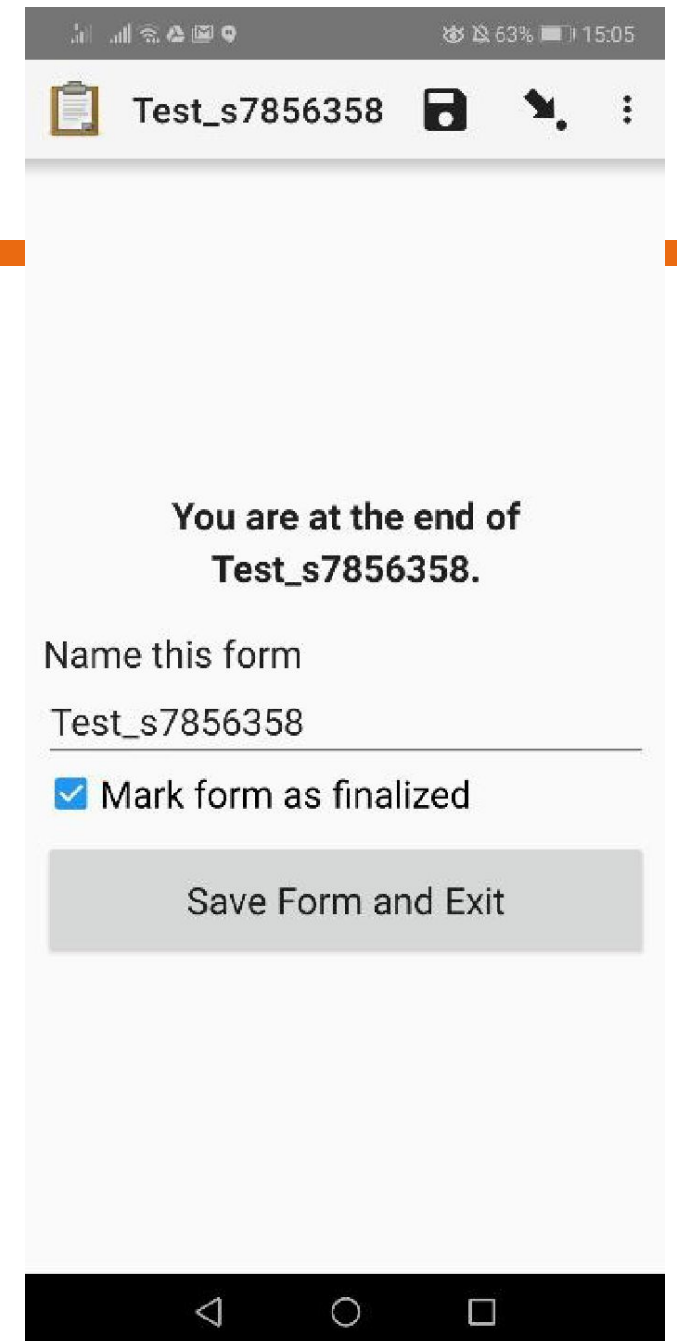
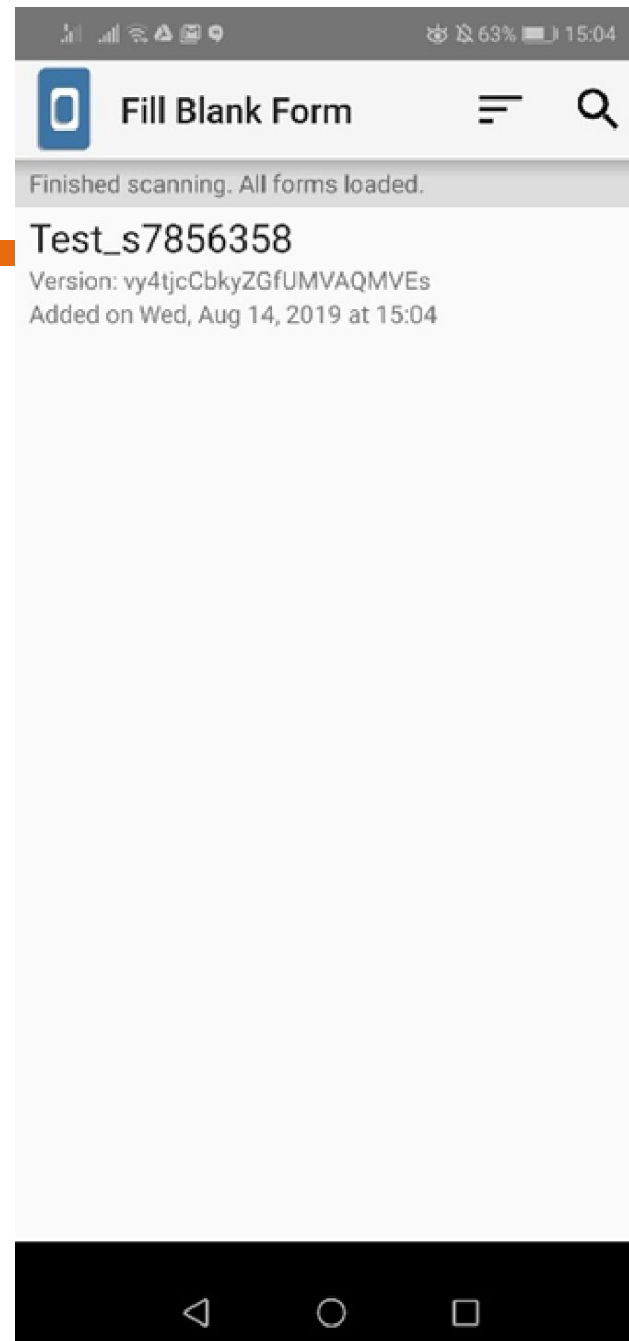
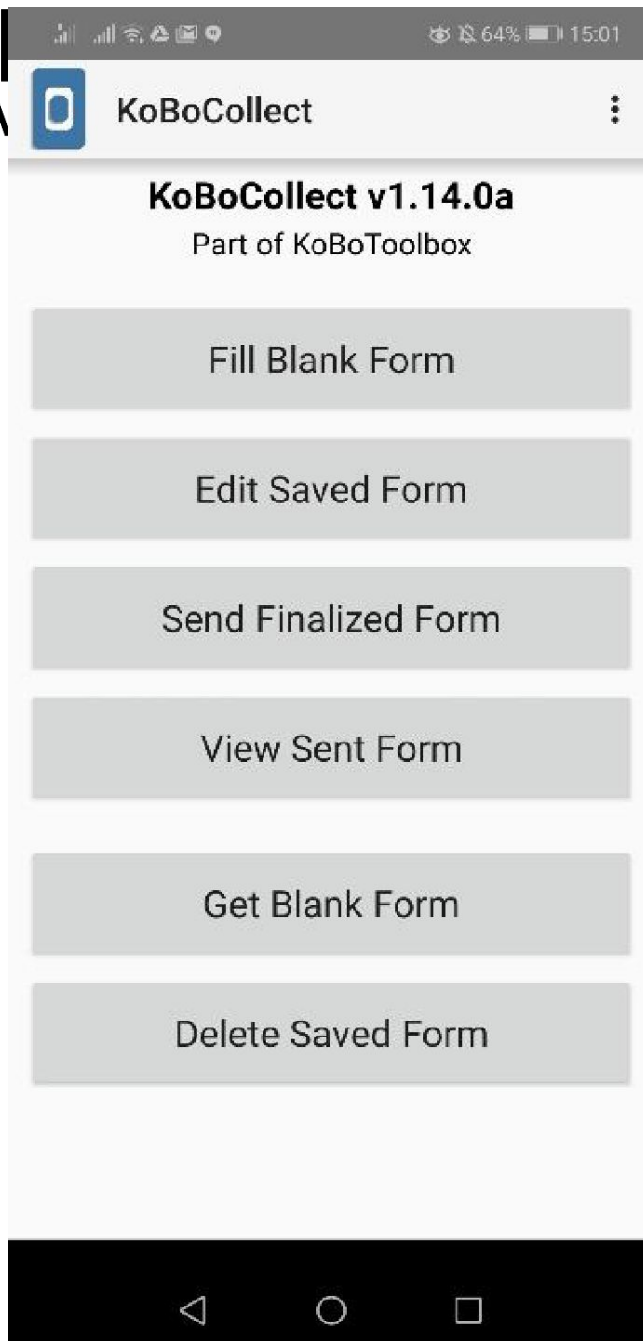
Delete Saved Form

Get Blank Form

Test_s7856358 ☒
ID: aBkjswLoCJXJTyBAfF3ydb

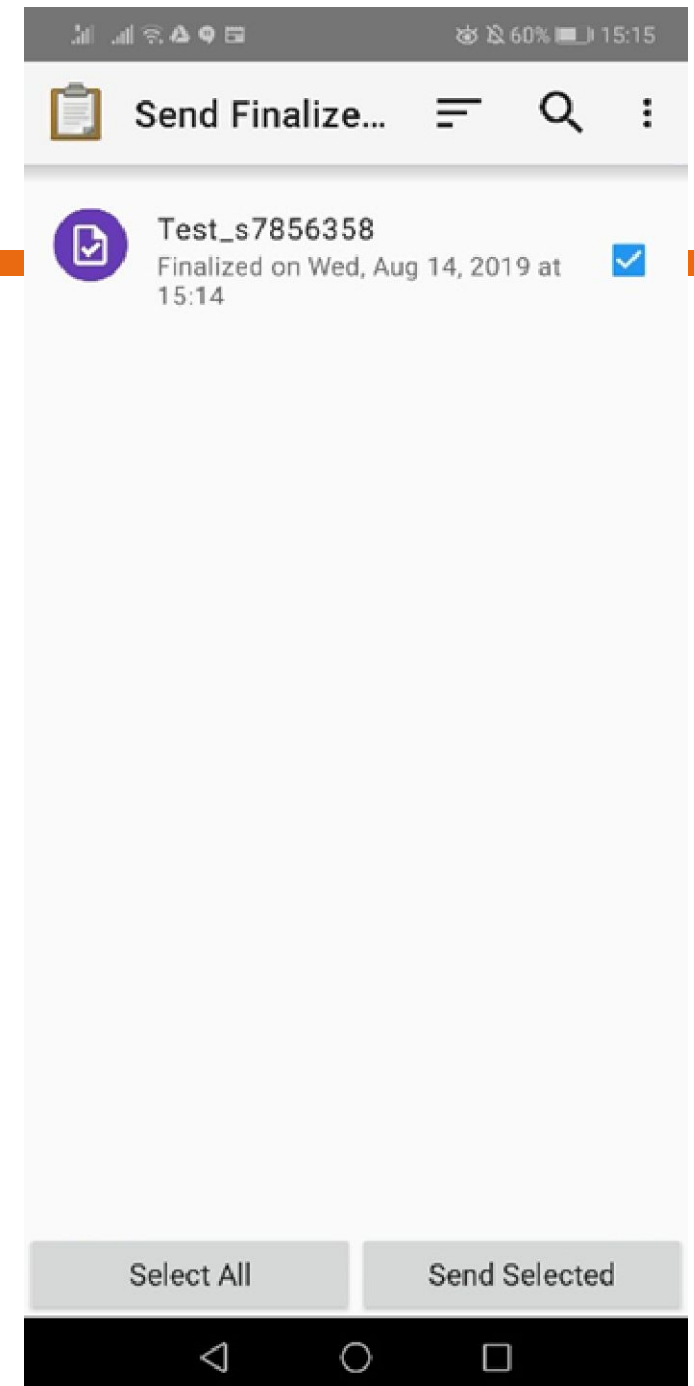
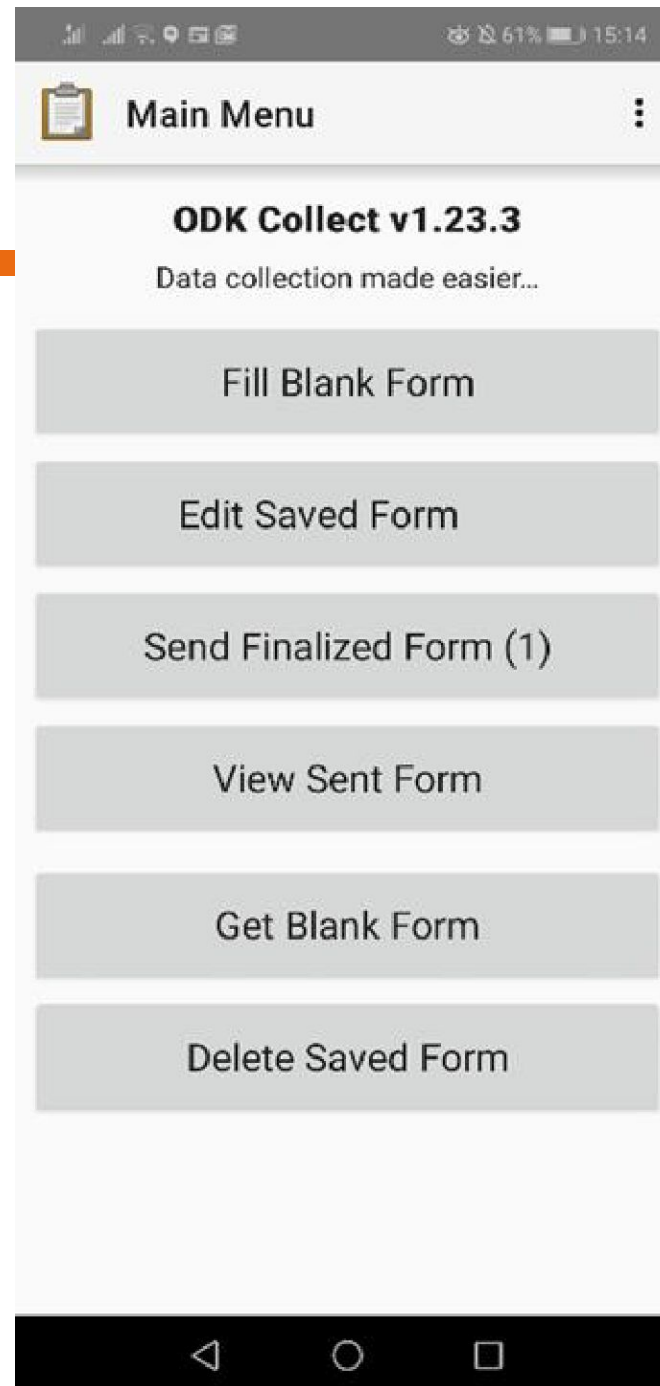
Select All Refresh Get Selected


Using the form

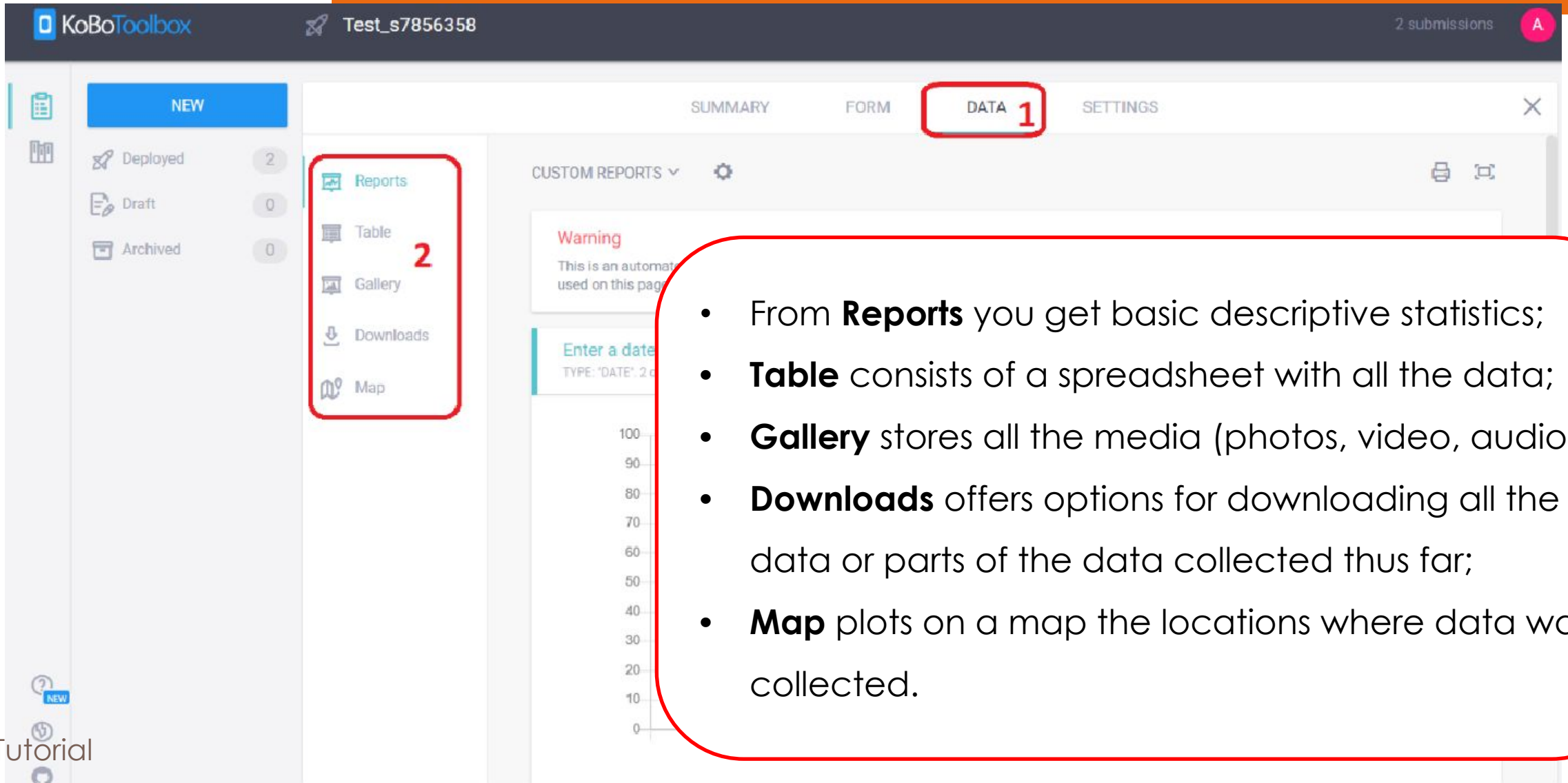


Using the form

To use the survey, you have to go to the **Google Play Store** and install the **Kobo Collect app**. After installation is complete, open the app and follow the steps shown below.



 **KoboToolbox** provides preliminary data analysis tools, which are useful to have a first insight of the data. Using your web browser, go to the dashboard of your form and explore the **visualization options** that are offered (Figure 10).



KoBoToolbox Test_s7856358 2 submissions A

NEW

Deployed 2
Draft 0
Archived 0

Reports
Table
Gallery
Downloads
Map

SUMMARY FORM **DATA 1** SETTINGS

CUSTOM REPORTS

Warning
This is an automatic message used on this page.

Enter a date
TYPE: "DATE", 2 c

- From **Reports** you get basic descriptive statistics;
- **Table** consists of a spreadsheet with all the data;
- **Gallery** stores all the media (photos, video, audio);
- **Downloads** offers options for downloading all the data or parts of the data collected thus far;
- **Map** plots on a map the locations where data was collected.

2.4 Tutorial



(3)

Exercise

WHAT DO YOU NEED TO DO?

Now that you know how Kobotoolbox operates, it is time to **build a survey that will help you to collect the data** you need to evaluate some of the indicators you developed in the context of the sustainability framework you haven been exploring.

The final objective is to have **one single dataset** that **aggregates the data collected by all the groups** according to the teams described in the appendix to this document. To that end all the teams have to use the same survey – this is of paramount importance.

This should also give you **a first experience of primary data collection as a team effort**. To that end, one class representative (acting as the survey manager), will build the survey and share it with all the teams. This activity will be guided in class by your supervisor.

Exercise

What do you need to know

- Build a survey form
- Use the survey form (collect data)
- Download data and data analysis (download the report)

At the end of the exercise

As a conclusion, we mention the benefits of this tool.
Advantages

THANK YOU FOR YOUR ATTENTION!