

KoboToolbox Review:

I have cloned the “Debris Removal Form” for test and development purposes so as not to corrupt the live form and granted access to the cloned project to “alhessi” and “arnoosh”

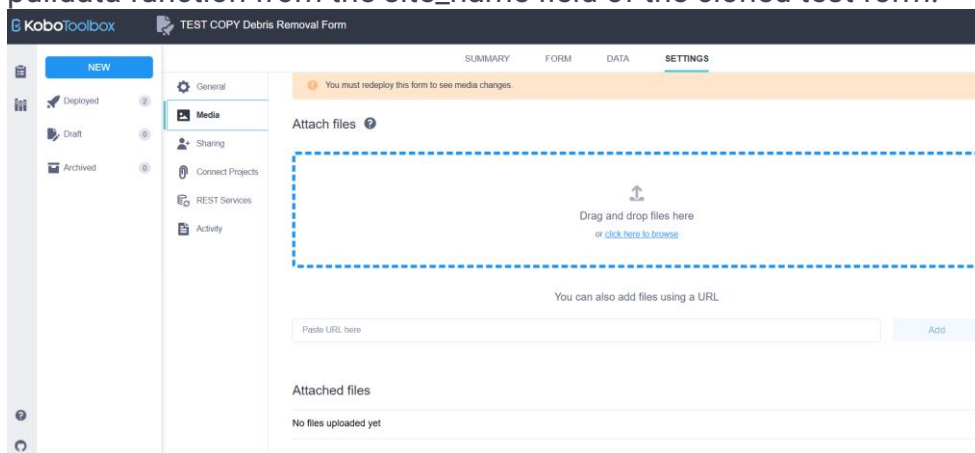
Project	Asset UID
Debris Removal Form	aCRthGBRe3CKjD7X9KZw3R
TEST COPY - Debris Removal Form	abGTYh8Hhr2YeLLk8hLoyR

The synchronous links work well, it seems that admin privileges are required to create the link, once it is created view privileges are enough to use it.

It is understood that Enketo webforms will be completed by engineers upon completion of field work. I presume that this due to environmental factors in the field or the lack of suitable Android devices. If not, you may want to rethink this, as capturing data directly in the field with KoboCollect on Android phones is a very powerful element of KoboToolbox which enables capturing geospatial and multimedia information directly at source avoiding the transcription of remembered information after the fact which adds a substantial risk of errors and omissions.

Debris Removal Form Review: I’ve had a quick look at the form, here are a few discussion points for your consideration.

- 1) **Media:** There is a CSV file (Debris_List.csv) which I suspect is in the Media section of the project's Settings. This file was not copied over when the project was cloned. Please provide the file so that the clone will work correctly, in the meantime I have removed the pulldata function from the site_name field of the cloned test form.



- 2) **Requirements:** Items in the “**beneficiaries**” and “**jobs**” groups are flagged **false** (ie. not required) yet no items are flagged as **yes**. We may want to review the different fields collected and enforce requirements where necessary and add required messages to guide users. By default all fields are considered not required unless specifically flagged “**yes**” in the requirements column.
- 3) **Constraints:** Other than the number of buildings greater than zero, no constraints are entered into other fields. We may want to review other fields and establish some constraints to ensure data quality and avoid mistyped entries:
 - Road length/width greater than zero
 - Damaged building area <= total building area
 - Damaged floors <= total floors
 - Daily Progress Start Date <= Finish Date
 - Etc.

We may also want to add constraint messages to guide users.

4) Selected Fields:

- **username:** Only works with Collect, however the “submitted by” field will be populated if users login to complete forms.
- **deviceid:** Only works with Collect I believe.
- **phonenumber:** Only works with Collect, if the engineer’s number is to be collected consider a data entry field using a regular expression, or a separate table providing contact details for each user id.
- **audit:** Only works with Collect, this creates a separate file with start and end of questions and groups, can also be parameterised to audit location tracking, change tracking, reasons for changes and enumerator id. Enketo does not support the audit log feature, as it lacks access to system-level data like GPS, timestamps, and keystroke logs.
- **road_Length:** units of measure not cited, may cause inconsistent answers across enumerators.
- **road_width:** units of measure not cited, may cause inconsistent answers across enumerators
- **Damage_Level:** Includes two choices (Totally_Damaged, Partially_Damaged) consider alignment with UNOSAT (Destroyed, Severely Damaged, Moderately Damaged, Possibly Damaged)
- **Beneficiaries Group:** Table formatting only works with Enketo. I’m assuming the beneficiaries refers to the occupants of the unit in the building.

Beneficiaries	
a	Beneficiaries
Male	5
Female	7

*What is the significance of the “a” in the table headings?
Just curious.*

- **Jobs Group:** The group is titled “Personnel employed today” yet there is no repeat over consecutive days. Consider repeating form in the same manner as the buildings in the sight are repeated.
- **Machinery Group:** As with the jobs group the title makes reference to the day “List machinery employed today” consider employing a repeat to capture granularity across the days on site.
- **Truck Trips:** Should machinery employ a repeat consider employing a repeat here as well for consistency.
- **Photos:** If desired this may be setup as a nested repeat to align with repeat over workdays if employed.
- **Safety:** Can also be divided across days on the site.
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5) Use cases and synergy: Are there any documents concerning field staff profiles and use cases to better inform design? Are there any opportunities to collect additional field data with little effort that may be of use to partners working on parallel projects?

The TEST COPY - Debris Removal Form is submitted for consideration to demonstrate some features that may be of use and is not intended to replace the original form rather the purpose is to stimulate discussion.

- 1) It uses the grid theme to economise real estate on the screen and provide a natural flow for data entry.
- 2) Adds rules for constraints and requirements which can be further discussed.

- 3) GPS display map without let long entries, "search for place or address" field can be used to zoom to correct location. Attempts to zoom with a default value lead to form submission failure.
- 4) Days worked field calculates the number of days and creates repeats for daily activity including debris removed, personnel employed, machinery employed, truck trips, and photos. We can also add safety. Some more clarity on exact data for the personnel is needed.

I suggest that the form be reviewed and then we can discuss in our next meeting any elements to use in the live form going forward.