**Pre-Production Developer Documentation**

\* Production docs will have more server specific information.

This document is meant to be used in conjunction with official ODK-X documentation,

found here: <https://docs.odk-x.org/>

**Initial Tutorials:**

Work through the tutorials under the *Getting started* and *Building your own application*.

Explore the Example Applications both on you device and editing the *.XLSX* files.

This will get you up to speed with basic development using ODK-X.

**Census Specific Information:**

(*form names are italicised*)

**Free listing forms:**

*Household Items*:

Simple free listing form.

Gathers data before the main census to create an item list for the *Household Asset Inventory/Wealth* sub-form in the main census form *Household Survey.*

The data will be analysed using an R script, found in the folder “R scripts/freelisting salience/”.

*Household Cooperation Measures:*

Free listing form to assess prominent names, items and activities.

Outputs from free listing forms:

*not including metadata to be stripped from full ODK-X export*

age, gender, id, item\_1, item\_10, item\_2, item\_3, item\_4, item\_5, item\_6, item\_7, item\_8, item\_9

***Household Survey:***

Diagram of subform interactions and outputs (metadata stripped):

household\_id, household\_human\_readable, household\_village,

location\_latitude, location\_longitude,

mataqali, tokatoka, yavusa, Membership notes,

income\_head\_amount, income\_head\_source,

income\_spouse\_amount, income\_spouse\_source,

asset\_wealth, food\_security,

fish\_days, fish\_catch, crops\_cassava, crops\_kava, crops\_taro

Household Survey:

main form

\_id, age, birthplace, customary\_membership, education\_years, first\_name, has\_children, household\_id, is\_alive, last\_name, lives\_in\_household, marital\_status, name, relation\_to\_head, sex, village

Household Members

Creates a database called

Roster:

temp data to populate

forms with person nodes.

This is called in each form.

Marriage

Information

*Node and Edgelist:*

*Nodes are person UUIDs;*

*Edges are marriage Status (mstat);*

\_id, household\_id, marriage\_id, mstat, person\_1, person\_2

Family Unit Information

*Node and Edgelist:*

*One per child born from marriage*

*Nodes are marriage UUIDs;*

*Edges link marriage to Child;*

\_id, child\_id, child\_name, family\_id, household\_id, marriage\_id, marriage\_name

Note: Members can be created from the Marriage and Family forms, which adds to the roster. These new members default to not living in household, and are likely to be not filled out completely.