# Building Custom Survey Form in ODK-X

1. Open cmd at application designer folder.
2. To add new survey form and its corresponding configuration files in cmd type:

$ grunt addtable:UPARGI (It will create the necessary directories for new survey)

1. Navigate into the forms directory *app/config/tables/UPARGI/forms/*
2. Create a folder with form name (In this case UPARGI)
3. Create a new file UPARGI.xlsx inside the *app/config/tables/ UPARGI / forms/ UPARGI* folder.
4. Follow the [tutorial](https://docs.odk-x.org/xlsx-converter-using/) for writing ODK-X survey form
5. After completion of form save the form. In cmd type: $ grunt
6. It will open a new address at chrome *http://localhost:8000/index.html*
7. Go to *XLSX Converter* tab and choose this XLSX file(UPARGI.xlsx)
8. Hit the *Save to File System* button.

# Adding new form to the framework (if existing framework is there)

1. Go to *config/assets/framework/forms/*  and open framework.xlsx
2. In choices sheet. Add the following row:

|  |  |  |
| --- | --- | --- |
| choice\_list\_name, | data\_value | display.title.text |
| test\_forms | UPARGI | UPARGI |

1. In survey sheet. Add following row at end :

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| branch\_label | url | clause | condition | type | Value  list | display.prompt.text |
| UPARGI |  |  |  |  |  |  |
|  | '?' + odkSurvey.getHashString('UPARGI') |  |  | external\_link |  | Open form |
|  |  | exit section |  |  |  |  |

1. Save the framework.xlsx
2. Go to *XLSX Converter* tab and choose this XLSX file(framework.xlsx)
3. Hit the *Save to File System* button.
4. On the Chrome Browser, click on the *Preview tab*. Click on *Purge Database*.
5. Open the UPARGI form and create a new instance. The survey form will be displayed.