

# Calculator creation

- Which are the requirements for the spreadsheet file?
- Where to start to build a calculator?
- What is the 'domain/allowed domains' input field for?
- How to introduce styles/colors, alignment of the cells?
- What do I need to do at the layout/editor page?
- Input Fields
  - Text
  - Number
  - File
  - Color
  - Select
  - Select Linked
  - Select Multiple
  - Datetime
  - Date
  - Time
  - Hidden
  - Slider (Range)
  - Validations
- Can I add images to the form?
- Can I add images as 'result' of the calculator?
- Can I add images as 'input' of the calculator (different images to choose from)?
- How to update internal prices/data for existing calculator?

- [Can I add charts as 'result' of the calculator?](#)
- [How to use the template catalog?](#)
- [How to add Links](#)
- [Adding tabs to your form page](#)

# Which are the requirements for the spreadsheet file?

The only mandatory requirement is that your calculator must be a working xlsx file. As default layout will be created using the first sheet, we suggest to place at the first sheet the only 'visible' part of your calculator, and place all intermediate calculations, data tables, etc, at the other sheets. For getting a better layout, we recommend to create your form using 2, 4 or 6 columns.

## **Important Tip!**

- If you plan to modify your form layout in the future (adding for example extra inputs or sections) you will want to use a Namedrange for each of your input cells. This way, even if you rebuild completely your layout, the editor will keep all your inputs configuration.
- If you manually add to your layout either images or charts using the editor, using a namerange for the destination cells will also keep their right position if you rebuild the layout.
- Please ensure you don't have any sheet, cell, etc... with data protection enabled. This won't allow the tool to read the sheet contents properly

# Where to start to build a calculator?

Once you have your spreadsheet ready, access Calculators->New calculator. Give it a name, and upload the file. You will be forwarded to layout page in order to finish configuration.

# What is the 'domain/allowed domains' input field for?

We are going to restrict your calculators to your websites. Even if someone 'copies' from your page source the widget code and places it in another website, we'll restrict the access so we'll ensure no one can consume your executions. You can place (comma separated) as many domains as you want.

# How to introduce styles/colors, alignment of the cells?

The tool will extract all style information from your spreadsheet cells, so you can completely style your form at the spreadsheet (background and font color and size, alignment, borders, etc ). This way you'll get a form ready to publish. But you also have a style editor at the layout page in case you need to add any additional style at configuration step.


# What do I need to do at the layout/editor page?

This step will show you your spreadsheet contents already styled as you had at the spreadsheet. You only need to select which cells will be 'inputs' at your form. Click on one cell, and select at the right panel 'input cell' -> input type (number, text, combobox, etc..). You can also add any style here to any cell, change texts, and adjust columns width.

# Input Fields



# Text

**Text Input** 

Type of Cell	<input type="text" value="Input"/>
Type of Input	<input type="text" value="Text Input"/>
Validation	<input type="text"/>
Value	<input type="text"/>
Placeholder	<input type="text"/>
Size	<input type="text"/>
Input Prepend	<input type="text"/>
Input Append	<input type="text"/>

Select your cell and set it as input type text using the right menu.

- Value: Set the Value of the field
- Placeholder: Field Placeholder
- Input Prepend: Set any text on left side of the input
- Input Append: Set any text on right side of the input

Check validations [here](#).

# Number

**Number Input** ▾

Type of Cell: Input ▾

Type of Input: Number Input ▾

Validation:

Value:

Placeholder:

Input Prepend:

Input Append:

Include Controls: ☒

Cancel Flatten

Select your cell and set it as input type number using the right menu.

- Value: Set the Value of the field
- Placeholder: Field Placeholder
- Input Prepend: Set any text on left side of the input
- Input Append: Set any text on right side of the input
- Include controls: Check if you want +/- controls

-  +

Check validations [here](#).

# File

**File Input** ▾

Type of Cell: Input ▾

Type of Input: File Input ▾

Validation:


Accept:

Multiple: ☐ OFF

Select your cell and set it as input type file using the right menu.

- **Accept:** This will be set if you need to limit files uploaded depending on type. You can set:
  - File extension: .jpeg, .gif, .zip, .docx
  - image/\*: all Images
  - video/\*: all Video files
  - audio/\*: all Audio files
  - A valid media type: you can check the complete list at [IANA Media types](#)
- **Multiple:** Set to allow users to upload more than one file

# Color

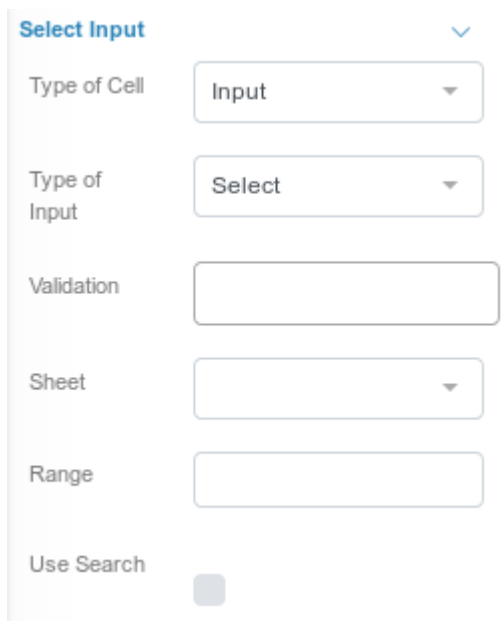
**Text Input** 

Type of Cell	<input type="text" value="Input"/>
Type of Input	<input type="text" value="Color Input"/>
Validation	<input type="text"/>
Value	<input type="text"/>

Select your cell and set it as input type color using the right menu.

- Value: Set the Value of the field

# Select



The image shows a configuration panel titled "Select Input" with a blue header and a downward arrow. It contains several settings: "Type of Cell" is set to "Input" in a dropdown; "Type of Input" is set to "Select" in a dropdown; "Validation" is an empty text field; "Sheet" is an empty dropdown; "Range" is an empty text field; and "Use Search" is a toggle switch that is currently turned off.

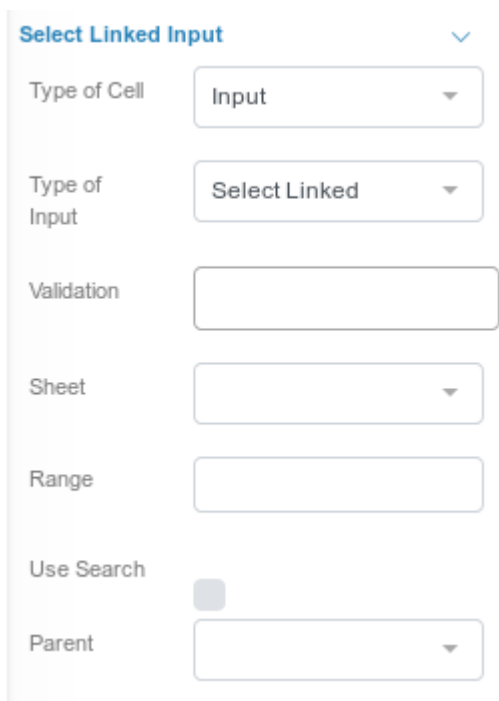
Select your cell and set it as input type select using the right menu.

- Sheet: Select the Sheet of your Excel file where the data of the select is.
- Range: Set the range in the Sheet selected above where XLSJuice will get the data. I.e.: A1:A20
- Use Search: Add a search input on select

Check validations [here](#).

# Select Linked

Select linked is a special kind of combobox. It automatically reloads its options depending on other combobox value. Find out how to configure:

The image shows a configuration panel titled "Select Linked Input" with a blue header and a downward arrow. It contains several settings: "Type of Cell" is a dropdown menu set to "Input"; "Type of Input" is a dropdown menu set to "Select Linked"; "Validation" is an empty text input field; "Sheet" is a dropdown menu; "Range" is an empty text input field; "Use Search" is a toggle switch that is currently turned off; and "Parent" is a dropdown menu.

Select your cell and set it as input type select multiple using the right menu.

- Sheet: Select the Sheet of your Excel file where the data of the select is.
- Range: Set the range in the Sheet selected above where XLSJuice will get the data. I.e.: A1:A20
- Use Search: Add a search input on select
- Parent: Set the Select input that will reload options for this Select.

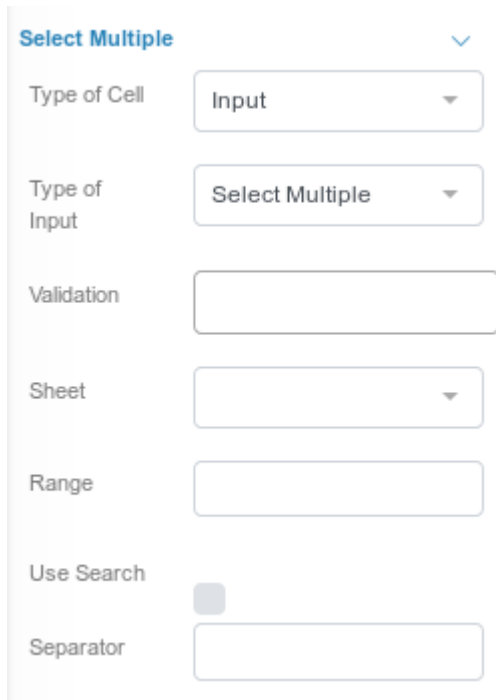
How it works:

Once the user select the 'parent' input, the value will be placed at the right excel cell and current 'select linked' combobos will get data from your excel file in the sheet and

range configured.

When refreshing options it will exclude blank cells, so this will be used to discard unwanted options for each case. Write your formulas in a way the value will return blank if with that parent value you don't want to show that option, return the option text otherwise.

# Select Multiple



The image shows a configuration panel titled "Select Multiple" with a blue header and a downward arrow. It contains several settings:

- Type of Cell:** A dropdown menu with "Input" selected.
- Type of Input:** A dropdown menu with "Select Multiple" selected.
- Validation:** An empty text input field.
- Sheet:** A dropdown menu with an empty selection.
- Range:** An empty text input field.
- Use Search:** A toggle switch that is currently turned off.
- Separator:** An empty text input field.

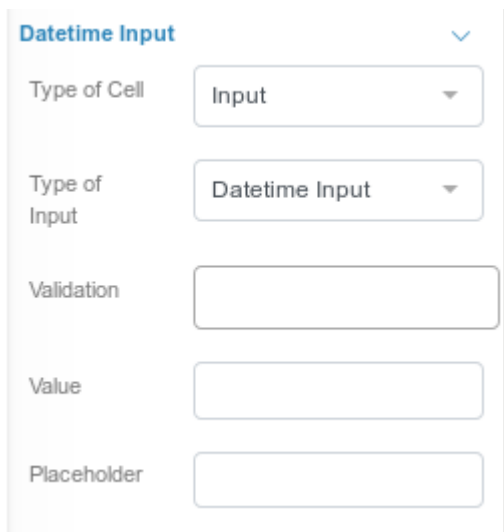
Select your cell and set it as input type select multiple using the right menu.

- **Sheet:** Select the Sheet of your Excel file where the data of the select is.
- **Range:** Set the range in the Sheet selected above where XLSJuice will get the data. I.e.: A1:A20
- **Use Search:** Add a search input on select
- **Separator:** This separator will be added between items selected in the spreadsheet cell

Check validations [here](#).



# Datetime



The image shows a configuration panel titled "Datetime Input" with a blue header and a downward arrow. It contains five settings, each with a label on the left and a corresponding input field on the right:


- Type of Cell:** A dropdown menu with "Input" selected.
- Type of Input:** A dropdown menu with "Datetime Input" selected.
- Validation:** An empty text input field.
- Value:** An empty text input field.
- Placeholder:** An empty text input field.

Select your cell and set it as input type datetime using the right menu.


- Value: Set the Value of the field
- Placeholder: Field Placeholder

Check validations [here](#).


# Date

**Datetime Input** 

Type of Cell

Input 

Type of Input

Date Input 

Validation

Value


Placeholder

Select your cell and set it as input type date using the right menu.


- Value: Set the Value of the field
- Placeholder: Field Placeholder

Check validations [here](#).


# Time

**Time Input** 

Type of Cell

Input 

Type of Input

Time Input 

Validation

Value

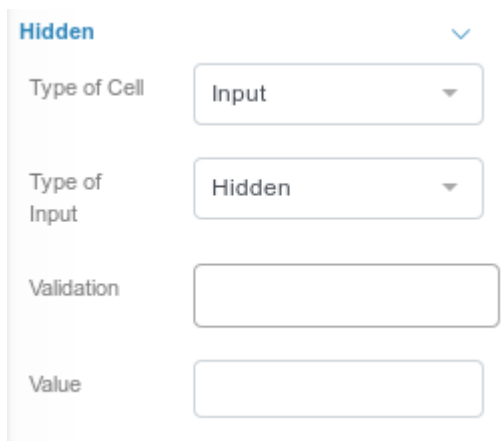
Placeholder

Select your cell and set it as input type time using the right menu.

- Value: Set the Value of the field
- Placeholder: Field Placeholder

Check validations [here](#).

# Hidden



The image shows a configuration panel for a 'Hidden' input field. At the top, the word 'Hidden' is displayed in blue text next to a downward-pointing chevron icon. Below this, there are four rows of configuration options, each with a label on the left and a corresponding input field on the right:

- Type of Cell:** A dropdown menu with 'Input' selected.
- Type of Input:** A dropdown menu with 'Hidden' selected.
- Validation:** An empty rectangular text input field.
- Value:** An empty rectangular text input field.

Select your cell and set it as input type hidden using the right menu.

- Value: Set the Value of the field
- Placeholder: Field Placeholder

# Slider (Range)

**Slider Input** ▼

Type of Cell

Input ▼

Type of Input

Slider Input ▼

Validation

✖ min

✖ max

✖ step

Step Validation Message

Please enter a multiple o

Step Validation Parameter

3

Max Validation Message

Please enter a value less

Max Validation Parameter

21

Min Validation Message

Please enter a value grei

Min Validation Parameter

1

Select your cell and set it as input type slider using the right menu.

- Value: Set the Value of the field
- Placeholder: Field Placeholder

- In order to configure Slider properties you must add the following validations:
  - step: The stepping interval
  - max: The maximum value allowed
  - min: The minimum value allowed

For each validation you can configure also a validation message, but they won't apply to this field type because the slider is already configured with these limits, so no validation messages will appear.

Input Fields

# Validations

Here are validations you can added to your inputs:

Name	Description	Valid for
<b>Required</b>	Makes the element required	text inputs, selects, checkboxes and radio buttons
<b>Email</b>	Makes the element require a valid email	text inputs
<b>URL</b>	Makes the element require a valid url	text inputs
<b>DateISO</b>	Makes the element require an ISO date	text inputs
<b>Number</b>	Makes the element require a decimal number	text inputs
<b>Digits</b>	Makes the element require digits only	text inputs
<b>Minlength</b>	Makes the element require a given minimum length	text inputs, selects and checkboxes
<b>Maxlength</b>	Makes the element require a given maximum length	text inputs, selects and checkboxes
<b>Rangelength</b>	Makes the element require a given value range	text inputs, selects and checkboxes
<b>Min</b>	Makes the element require a given minimum	text inputs
<b>Max</b>	Makes the element require a given maximum	text inputs
<b>Range</b>	Makes the element require a given value range	text inputs
<b>Step</b>	Makes the element require a given step	text inputs, number and range
<b>Equalto</b>	Requires the element to be the same as another one	

You can combine as many validations as needed. Form will validate fields once user clicks on 'Calculate' button.



# Can I add images to the form?

Sure, this is available for all non-trial subscriptions. You need to drag&drop the 'image' tool from the editor left panel to the position where you want to place it. Then write the image url at the right panel configuration, and you're done.

# Can I add images as 'result' of the calculator?

Yes, an image and any other html valid content, you can check an example at the BMI calculator available from our catalog. One of the results is the image of the man according to the bmi (normal, overweight...). You only need to build the proper html img tag at your spreadsheet and mark it as output.

# Can I add images as 'input' of the calculator (different images to choose from)?

Yes, there is an advanced field type (Pro plan only) called 'image selector'. The configuration is simple: you set at the spreadsheet the list of the urls for the images, and at the input field you type the range where to find them, for ex : B4:B8 This will create an image selector with 4 images, according to the 4 urls provided at that range.

# How to update internal prices/data for existing calculator?

You only need to upload again your updated file at the first configuration step. From that same moment, calculations will use the new file in order to get results.

If you also need to introduce any visual change to your calculator layout (for ex, you have changed any static text, added some background or new style, or need to insert any new input or output to the form), you will also need to click the 'rebuild layout' button at the editor page. Before using this option, we strongly suggest you previously add nameranges to your input cells, this way all configuration will be preserved even if you move/add new rows to your form.

# Can I add charts as 'result' of the calculator?

Yes, (only Pro plan). At your spreadsheet you need to set one different 'name' to each chart. Once uploaded the spreadsheet, go to the layout editor and drag&drop the 'chart' widget from the editor left panel to the position where you want to place the chart. Then select at the right panel the name of the chart to be shown. You can place any number of charts in a form, and also include them at the email and or pdf export.

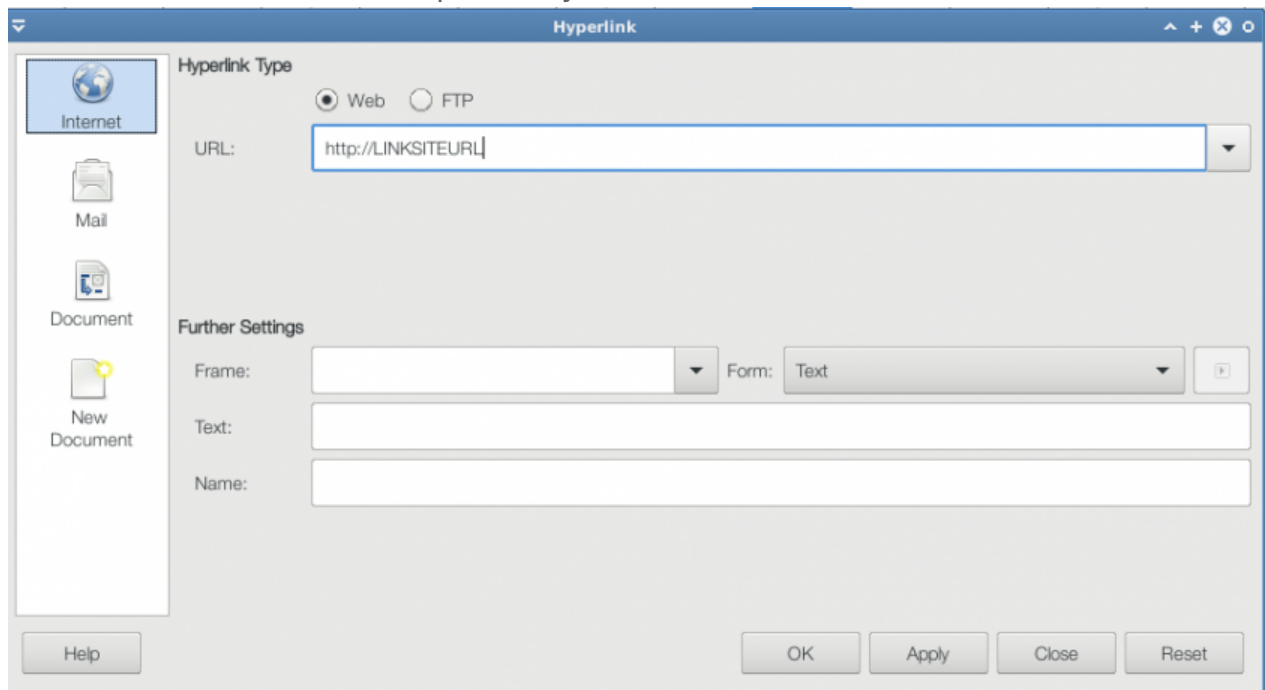
# How to use the template catalog?

You have a set of working calculators at [Calculators->templates/catalog](#). Just enter the list and choose one of the calculators, click the icon 'duplicate', and the calculator will be copied to your own catalog list. From there you will be able to enter the layout and configure same as your other calculators.

# How to add Links

You can add different type of links to your form. Choose your cell and use the default Hyperlink option:

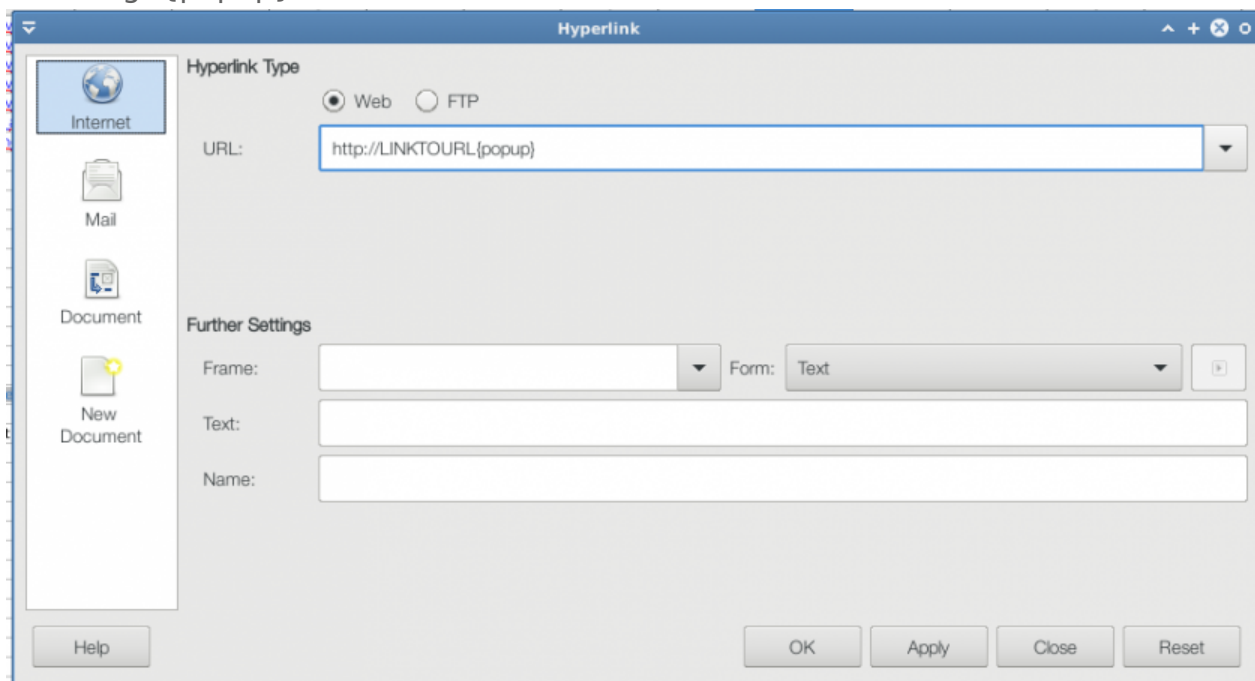
1. **Normal Link:** Use the link option at your sheet



The screenshot shows a 'Hyperlink' dialog box with a sidebar on the left containing icons for 'Internet', 'Mail', 'Document', and 'New Document'. The 'Internet' icon is selected. The main area is titled 'Hyperlink Type' and has two radio buttons: 'Web' (selected) and 'FTP'. Below this is a 'URL:' label followed by a text box containing 'http://LINKSITEURL'. Underneath is a section titled 'Further Settings' with three labels: 'Frame:', 'Text:', and 'Name:'. Each label is followed by a text box. To the right of the 'Frame:' text box is a dropdown arrow. To the right of the 'Text:' text box is a dropdown menu showing 'Text' and a small icon. At the bottom of the dialog are four buttons: 'Help', 'OK', 'Apply', 'Close', and 'Reset'.

The link will appear in your form as a normal HTML link.

2. **Popup Link:** Use the normal link option but adding at the end of the URL the following: {popup}



The screenshot shows the 'Hyperlink' dialog box with the 'Web' radio button selected. The 'URL' field contains 'http://LINKTOURL{popup}'. The 'Further Settings' section has 'Form' set to 'Text'. The left sidebar shows 'Internet' as the selected category.

Hyperlink

Hyperlink Type

☒ Web ☐ FTP

URL:

Further Settings

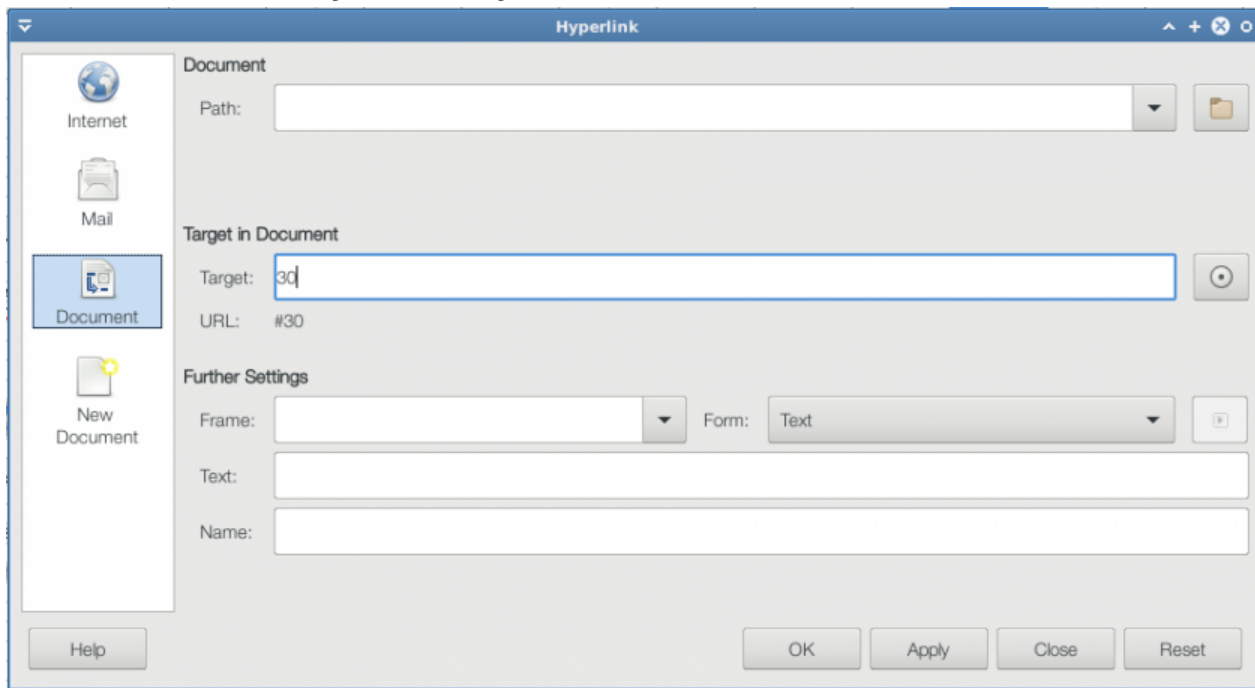
Frame:  Form:

Text:

Name:

Help OK Apply Close Reset

3. **Bookmark/Internal link:** Use the Document option at Hyperlink, and set the number of the row in your Excel you want to travel to.



The screenshot shows the 'Hyperlink' dialog box with the 'Document' radio button selected. The 'Path' field is empty. The 'Target in Document' section has 'Target' set to '30' and 'URL' set to '#30'. The 'Further Settings' section has 'Form' set to 'Text'. The left sidebar shows 'Document' as the selected category.

Hyperlink

Document

Path:

Target in Document

Target:

URL:

Further Settings

Frame:  Form:

Text:

Name:

Help OK Apply Close Reset



# Adding tabs to your form page

In order to add a tab widget to your page you only need to name at the excel file the different sections, and include the widget tab from the left menu at the page editor.

- Name your sections at the excel sheet
- Go to layout editor and drag & drop the tab widget to the desired location
- Add as many tabs as needed using the 'add' button. Give a title and choose the section for each one