

Relational Dropdown List

Relational Dropdown List

A relational dropdown list consists of two dropdown list.

We will call the two dropdown list parent and child dropdown lists.

When the user select a different option for the parent dropdown list, the child dropdown list will show a different set of options based on the selected choice of the parent dropdown list.

In this example, the parent dropdown list contains a list of country names and the child dropdown which display the state of the country will display the choices based on the country you have selected.



Step 1: We first create a form to contain all the country and state information

- Create a form named "Master"
- Add two fields, Country and State
- Add the data into this form

master > Fields Mapping Form ID: 474

Select	Edit	Field Order	Field Name	Field Label	Required	Allow Multiedit	Read Only	Unique Value	Alphanumeric Sort	Same value	Listbox ID	Listbox Show Field	Field Type
<input type="checkbox"/>		1	countryname	Country Name	0	0	0	0	0	0	0		Dynamic Dropdown
<input type="checkbox"/>		2	statename	Name of State	0	0	0	0	0	0	0		text

Select	Edit	Country Name	Name of State
<input type="checkbox"/>		India	Bombay
<input type="checkbox"/>		India	Chennai
<input type="checkbox"/>		China	Fujian
<input type="checkbox"/>		Malaysia	KL
<input type="checkbox"/>		China	Shanghai
<input type="checkbox"/>		Singapore	Jurong
<input type="checkbox"/>		China	Guangzhou

Step 2. Next, we create the user form, in this case, we are creating a registration form. For this demo, we are only creating three fields.

Field Settings

Field Information

Field Name *: ⓘ

Field Label *:

Tips:

On Change Action:

Field Order:

Field Types

Select a Field Type from the following lists:

- GENERAL**
- Text
- Long Text(textarea)
- Email

Create the parent dropdown list and name it "country"

Select "Relation List" as the field type

Select the form that we want to draw data from, in this case, we want to draw data from the "master" form

Select the field name of the master form where it contains the data about country

Field Settings

Field Information

Field Name *: country ⓘ

Field Label *: Country Name

Tips:

On Change Action:

Field Order: 2

Field Types

Select a Field Type from the following lists:

- Time when a new record is created (Server Time)
- Time when a record is updated (Server Time)
- IP when a new record is created
- IP when a record is updated
- Auto Numbering
- INTER-FORM**
- Relation List**
- WORKFLOW-OWNERSHIP**
- Users List
- Permission Groups List
- User – Record Ownership
- Permission Group – Record Ownership

Conditions

Required:

Read Only:

Allow Multiedit: ⓘ

Listbox Source: master ▼

Show Field: Country Name ▼

Cancel Save

Create the child dropdown list, and name it "state"

Select "Drop-down List" as the field type

The screenshot shows the 'Field Settings' dialog box with the following details:

- Field Information:**
 - Field Name *: state
 - Field Label *: State Name
 - Tips: (empty text area)
 - On Change Action: (empty text area)
 - Field Order: 3
- Field Types:**
 - Select a Field Type from the following lists:
 - GENERAL
 - Text
 - Long Text(textarea)
 - Email
 - Number
 - Currency
 - Drop-down List (highlighted)
 - Dynamic Drop-down List
 - Date
 - Date Time
 - Time
 - GPS
- Conditions:**
 - Required:
 - Read Only:

The field mapping for the registration form should now look like this.

Registration > Fields Mapping

[Add Field](#) [Delete](#)

Success

Select	Edit	Field Order	Field Name	Field Label	Required	Allow Multiedit	Read Only	Unique Value	Alphanumeric Sort	Same value	Listbox ID	Listbox Show Field	Field Type	User Groups	M	Le
<input type="checkbox"/>	✎	1	Name	Name	0	0	0	0	0	0	0		text		0	
<input type="checkbox"/>	✎	2	country	Country Name	0	0	0	0	0	0	474	countryname	list		0	
<input type="checkbox"/>	✎	3	state	State Name	0	0	0	0	0	0	0		Static-dropdown		0	

Click to edit the country field type again.

Step 3: There are some additional commands required to make the relational dropdown list work properly.

Add the following command to the "On Change Action" textbox.

Field Settings

Field Information

Field Name *:

Field Label *:

Tips:

On Change Action:

loadDropdown({
parentDropdown: "country",
childDropdown: "state",
dataSource: {formID: 474, parentField: "countryname", childField: "statename"}
})

Field Order:

Field Tunex

```
loadDropdown({
parentDropdown: "country",
```

```

childDropdown: "state",
dataSource: { formID: 474, parentField:"countryname", childField:"s
tatename" }
})

```

This command indicates the parent and child dropdown fieldname of the registration form, with the data coming from the relative parentField and childField of the Master form.

Registration > Fields Mapping

Success

Select	Edit	Field Order	Field Name	Field Label	Required	Allow Multiedit	Read Only	Unique Value	Alphanumeric Sort	Same value	Listbox ID	Listbox Show Field	Field Type	User Groups	M	Le
<input type="checkbox"/>		1	Name	Name	0	0	0	0	0	0	0		text		0	
<input type="checkbox"/>		2	country	Country Name	0	0	0	0	0	0	474	countryname	list		0	
<input type="checkbox"/>		3	state	State Name	0	0	0	0	0	0	0		Static-dropdown		0	

```

loadDropdown({
parentDropdown: "country",
childDropdown: "state",
dataSource: { formID: 474, parentField: "countryname", childField: "statename" }})

```

master > Fields Mapping

master Data Form ID: 474

Select	Edit	Field Order	Field Name	Field Label	Required	Allow Multiedit	Read Only	Unique Value	Alphanumeric Sort	Same value	Listbox ID	Listbox Show Field	Field Type
<input type="checkbox"/>		1	countryname	Country Name	0	0	0	0	0	0	0		Dynamic Dropdown
<input type="checkbox"/>		2	statename	Name of State	0	0	0	0	0	0	0		text

