

Controller Methods

Add a new doctype **Library Member** (one of the field is Full Name):

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SAVE FILTER

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Name	Module	Is Child Table	Is Single	Last Modified On
<input type="checkbox"/> Name				20 of 240
<input type="checkbox"/> Article	Library Management			Article 9 m 0
<input type="checkbox"/> Energy Point Log	Social			Energy Point Log 4 d 0
<input type="checkbox"/> Web Template	Website			Web Template 3 w 0
<input type="checkbox"/> DocType	Core			DocType 3 w 0
<input type="checkbox"/> Website Theme	Website			Website Theme 3 w 0
<input type="checkbox"/> Website Theme Ignore App	Website			Website Theme Ignore App 3 w 0
<input type="checkbox"/> Web Page	Website			Web Page 3 w 0
<input type="checkbox"/> Document Naming Rule	Core			Document Naming Rule 3 w 0
<input type="checkbox"/> Domain	Core			Domain 3 w 0
<input type="checkbox"/> Has Domain	Core			Has Domain 3 w 0
<input type="checkbox"/> Chat Message	Chat			Chat Message 3 w 0
<input type="checkbox"/> Google Drive	Integrations			Google Drive 3 w 0
<input type="checkbox"/> Calendar View	Desk			Calendar View 3 w 0
<input type="checkbox"/> Google Contacts	Integrations			Google Contacts 3 w 0
<input type="checkbox"/> Notification Log	Desk			Notification Log 3 w 0

Note that Full Name is not shown in the form because it's set to Read Only, it will only be shown if it has a value.

Coding the controller class

Open `library_member.py` (`~/tutorial-bench/apps/library_management/library_management/library_management/doctype/library_member`) to add inside method `before_save`

```
class LibraryMember(Document):
    #this method will run every time a document is saved
    def before_save(self):
        self.full_name = f'{self.first_name} {self.last_name or ""}'
```

The logic inside `before_save` will compute Full Name automatically from First Name and Last Name. Method `before_save` runs every time a document is saved, it is one of many hooks provided by `Document` class. (See more hooks: <https://frappeframework.com/docs/v14/user/en/basics/doctype/controllers>)

This way, when we create a new Library Member, the Full Name should show up **after we save**.

Note:

If the code does not work, enable server side scripts first then restart bench

```
bench --site <your_site> set-config server_script_enabled true
```