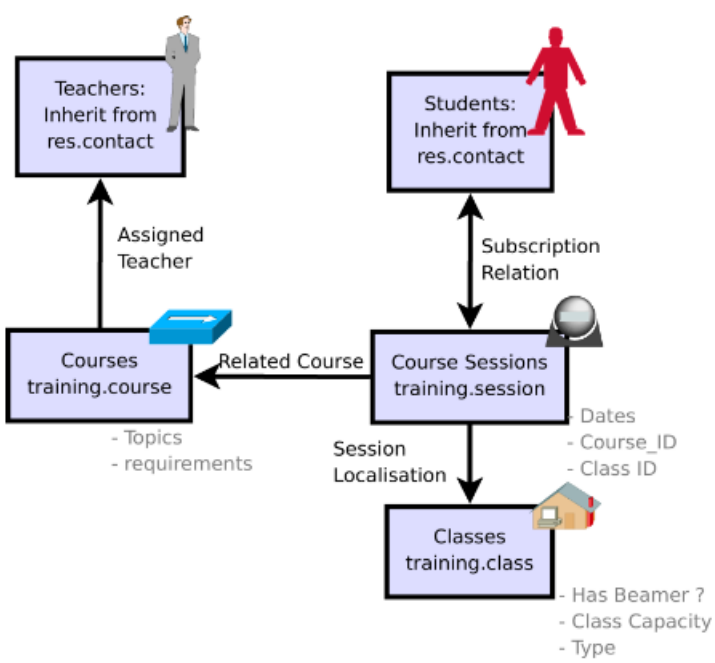
OpenOBJECT
Open Source Professional RAD Framework

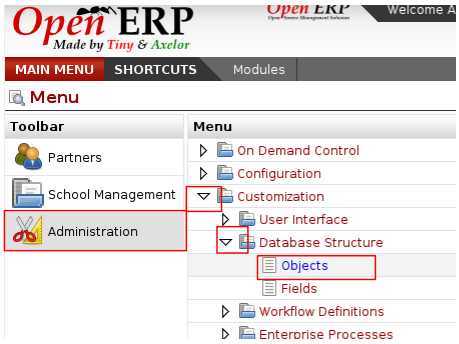
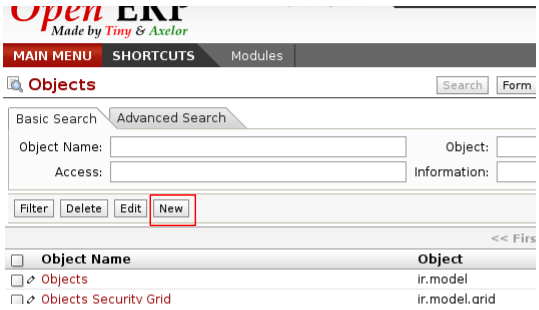
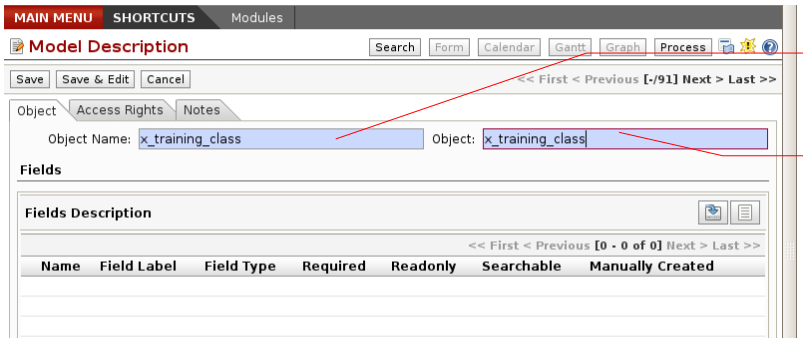
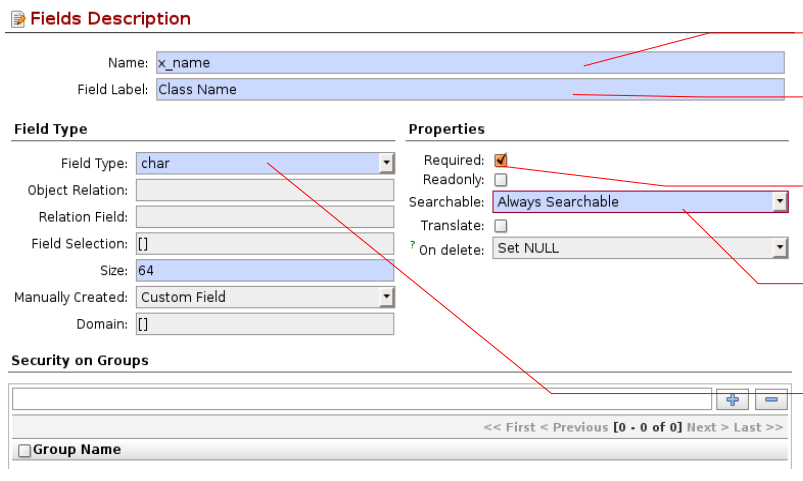
Building a School Management Application

Part II : Design Objects & Views

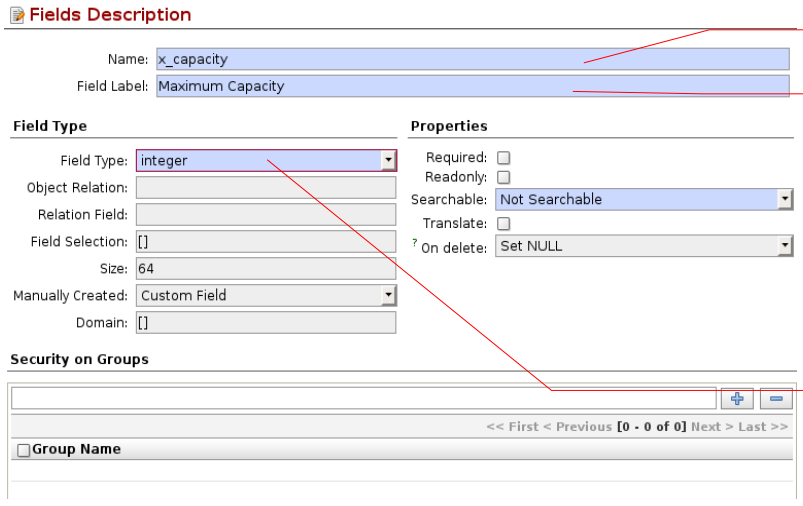


OpenERP

Add 3 objects

1		We use the database designer to define new objects and fields
2		Let's create the first new object to manage classes : **x_training_class**
3		x_training_class x_training_class Then click to save the parent record then to create the fields.
4		x_name Class Name √ Always Searchable Char + Save

5

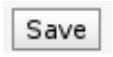


x_capacity

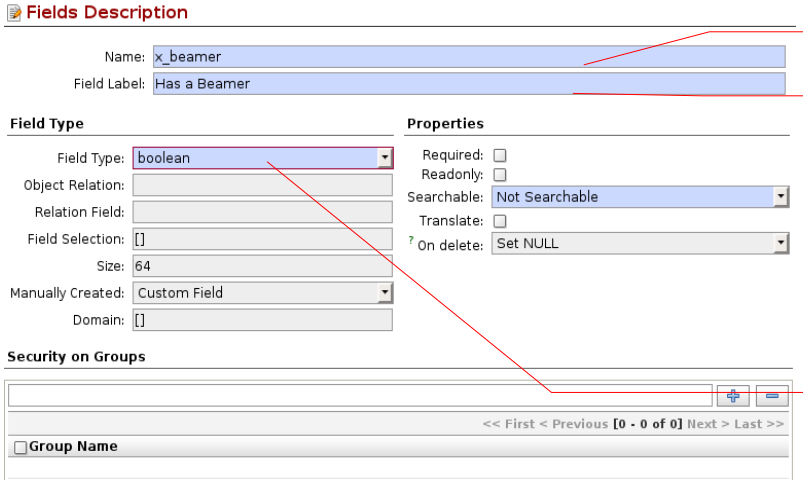
Maximum capacity

Integer

+



6



x_beamer

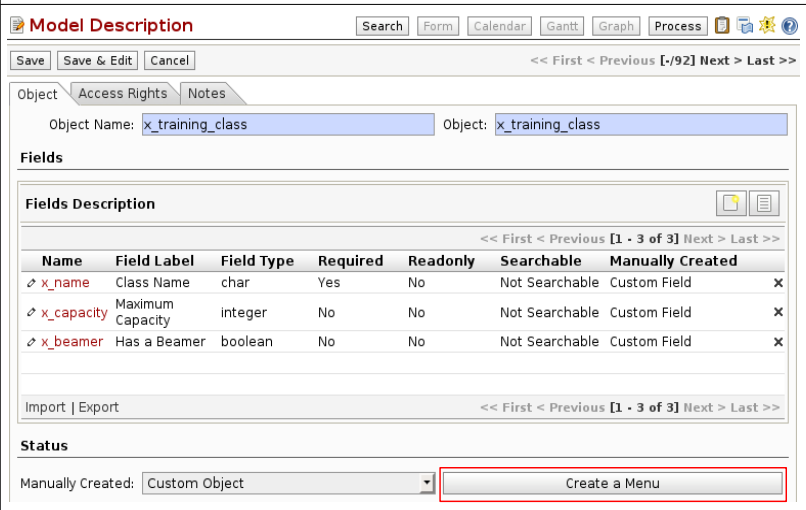
Has a beamer

boolean

+

+

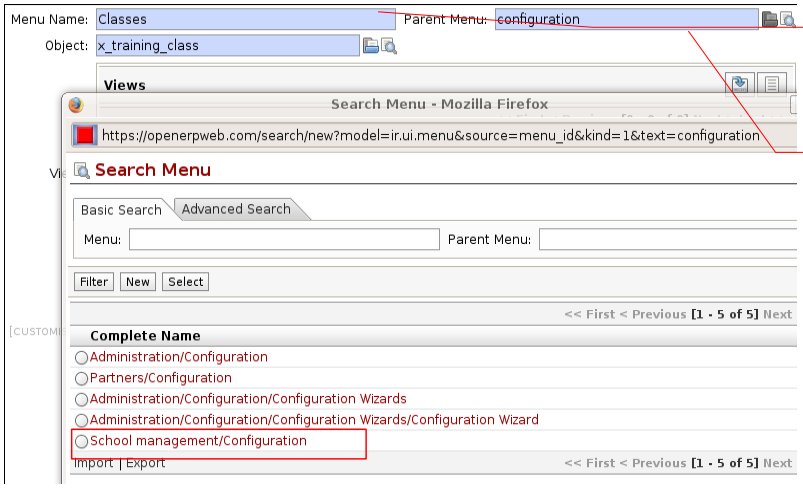
7



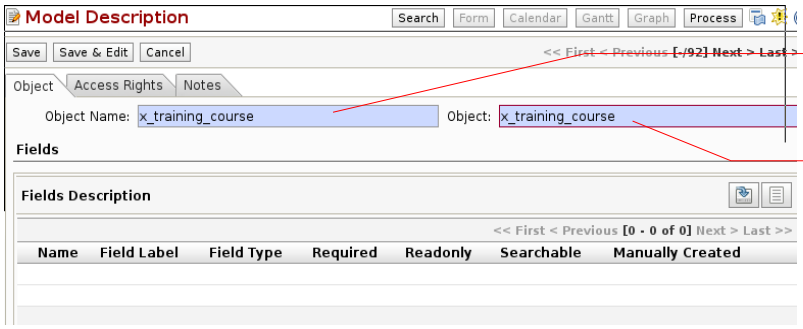
Don't worry about searchable field !!

+

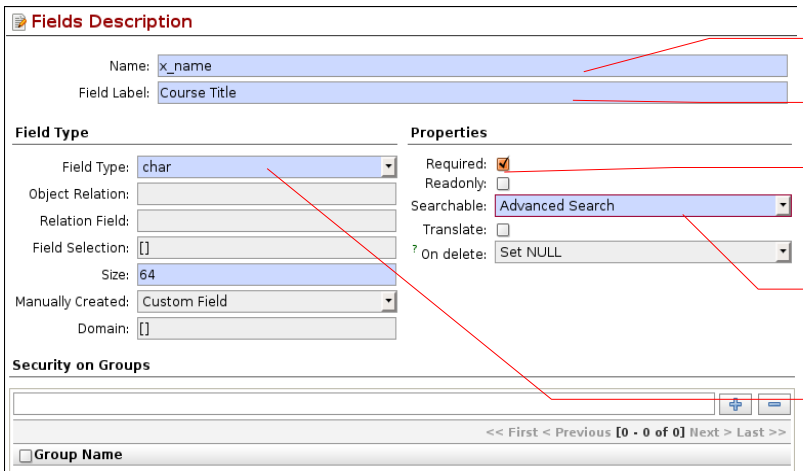
then click the create menu button to create the appropriate menu

<table>
<tr>
<td>7bis</td>
<td> 
</td>
<td>Classes

Configuration then [TAB] or to find and select the 'School Management /Configuration' line in the Search menu window

Click the 'Create menu' button then Save</td>
</tr>
<tr>
<td>8</td>
<td>
</td>
<td>Let's create the second object (x_training_course) to manage courses</td>
</tr>
<tr>
<td>9</td>
<td> 
</td>
<td>x_training_course

x_training_course

Then click to save the parent record then to create the fields.</td>
</tr>
<tr>
<td>9</td>
<td> 
</td>
<td>x_name

Course Title

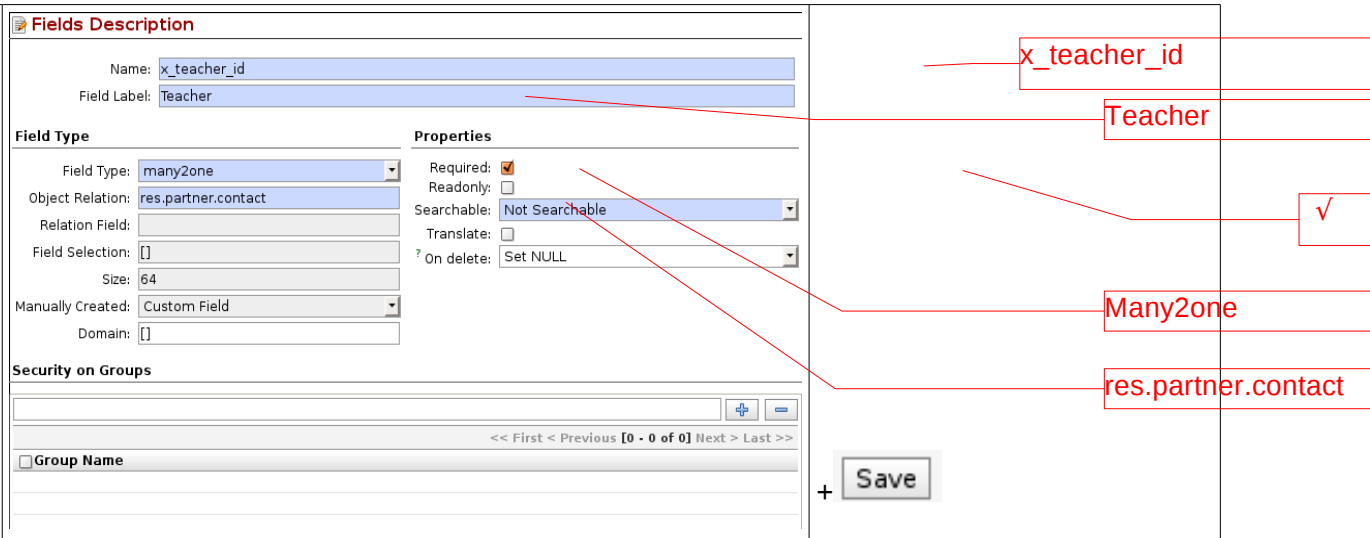
√

Always Searchable

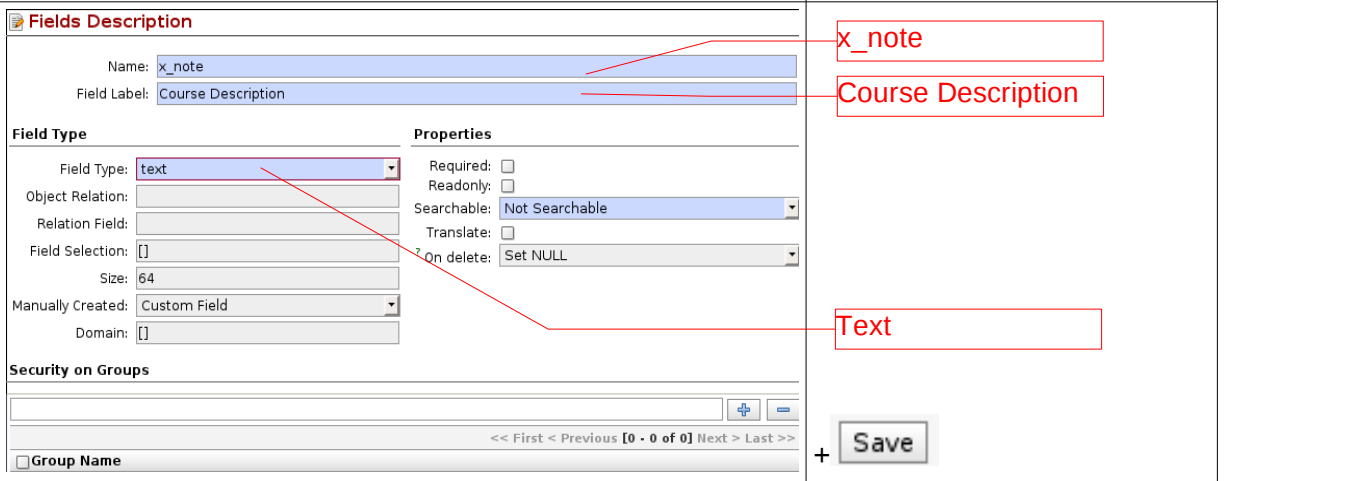
Char

+ Save</td>
</tr>
</table>

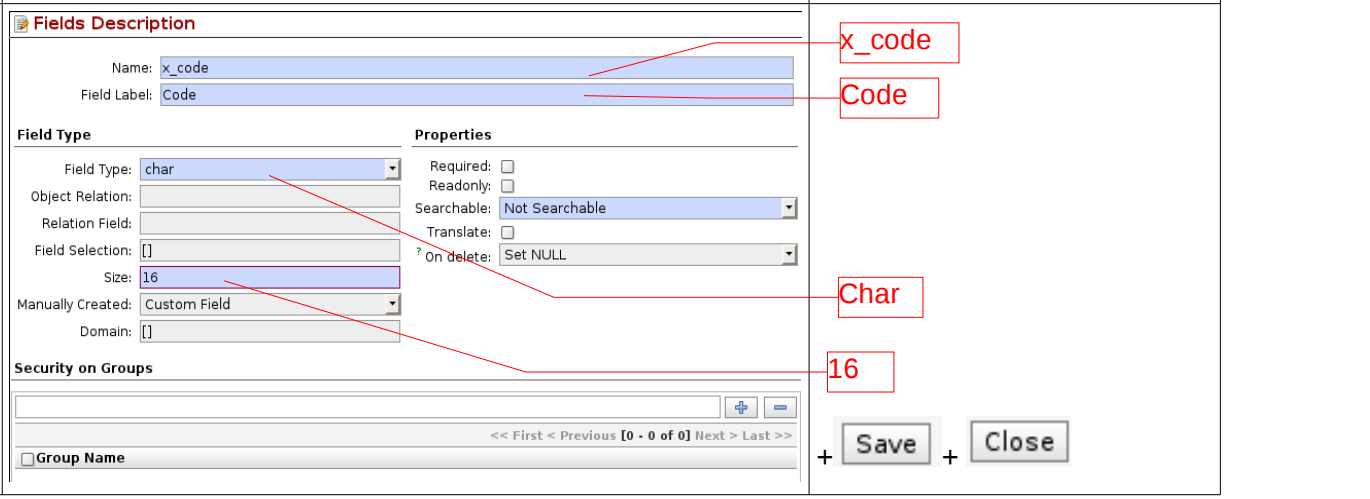
11


Fields Description
Name: x_teacher_id
Field Label: Teacher
Field Type
Properties
Field Type: many2one
Object Relation: res.partner.contact
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
Security on Groups
<< First < Previous [0 - 0 of 0] Next > Last >>
Group Name
x_teacher_id
Teacher
√
Many2one
res.partner.contact
+ Save

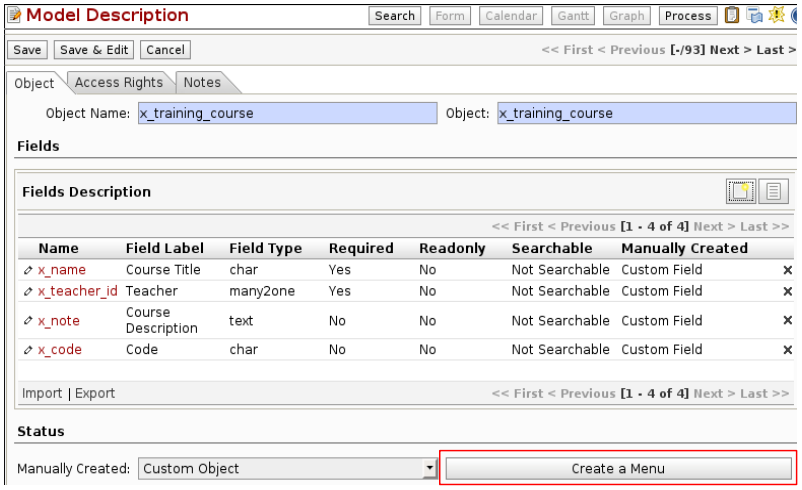
12


Fields Description
Name: x_note
Field Label: Course Description
Field Type
Properties
Field Type: text
Object Relation:
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
Security on Groups
<< First < Previous [0 - 0 of 0] Next > Last >>
Group Name
x_note
Course Description
Text
+ Save

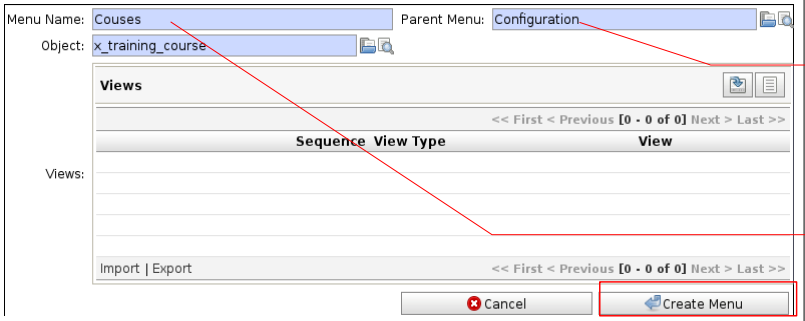
13


Fields Description
Name: x_code
Field Label: Code
Field Type
Properties
Field Type: char
Object Relation:
Relation Field:
Field Selection: []
Size: 16
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
Security on Groups
<< First < Previous [0 - 0 of 0] Next > Last >>
Group Name
x_code
Code
Char
16
+ Save + Close

14



15

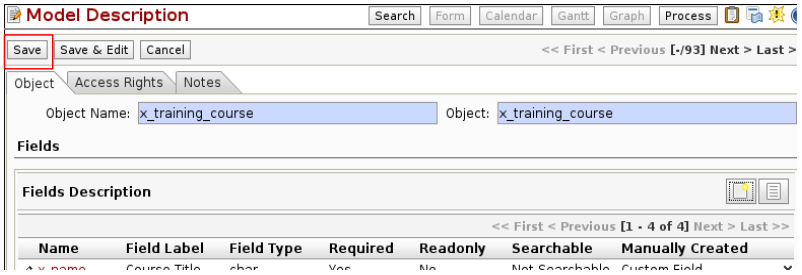


Configuration +[TAB] to find and select the 'School Management/Configuration' parent menu

Courses

then click the create menu button

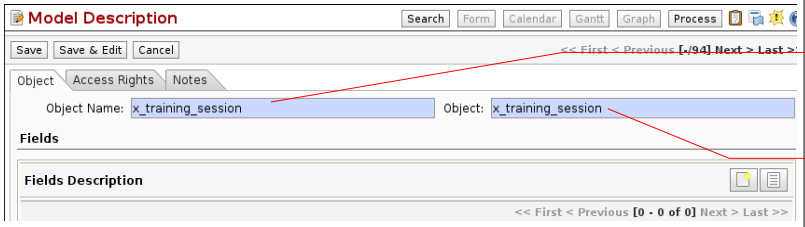
16



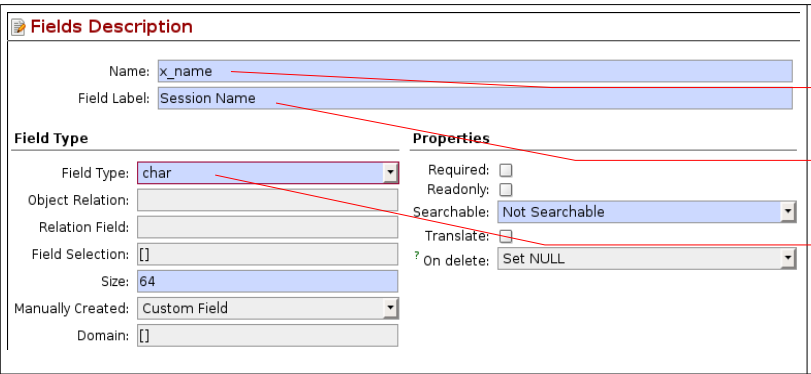
17

Let's create the last new object to manage classes : **x_training_session**

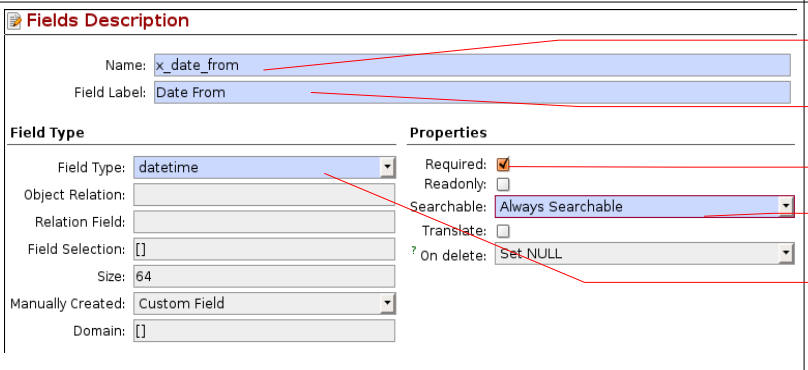
18



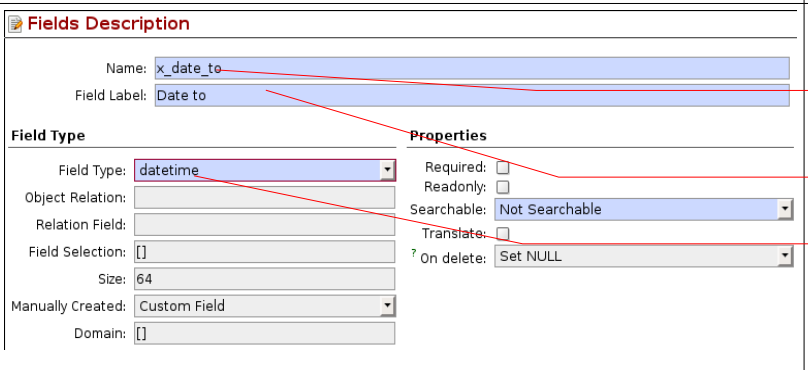
19


Fields Description
Name: x_name
Field Label: Session Name
Field Type
Properties
Field Type: char
Object Relation:
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
x_name
Session Name
Char
+
Save

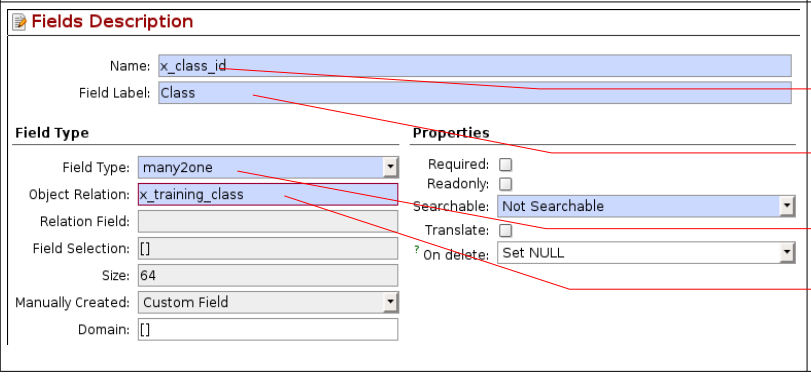
20


Fields Description
Name: x_date_from
Field Label: Date From
Field Type
Properties
Field Type: datetime
Object Relation:
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Always Searchable
Translate:
On delete: Set NULL
x_date_from
Date From
√
Always seachable
datetime
+
Save

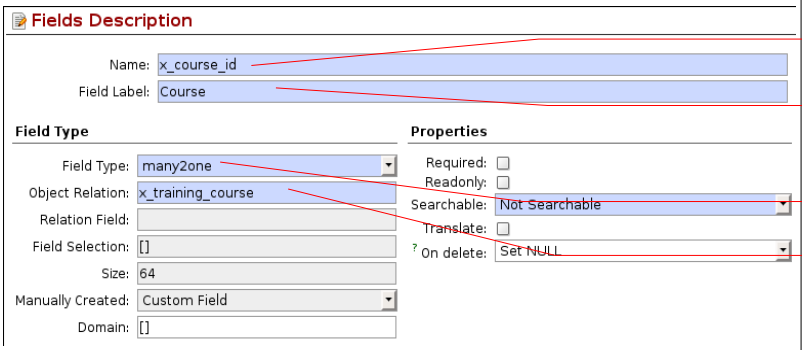
21


Fields Description
Name: x_date_to
Field Label: Date to
Field Type
Properties
Field Type: datetime
Object Relation:
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
x_date_to
Date To
datetime
+
Save

22


Fields Description
Name: x_class_id
Field Label: Class
Field Type
Properties
Field Type: many2one
Object Relation: x_training_class
Relation Field:
Field Selection: []
Size: 64
Manually Created: Custom Field
Domain: []
Required:
Readonly:
Searchable: Not Searchable
Translate:
On delete: Set NULL
x_class_id
Class
many2one
x_training_class
+
Save

23



x_course_id

course

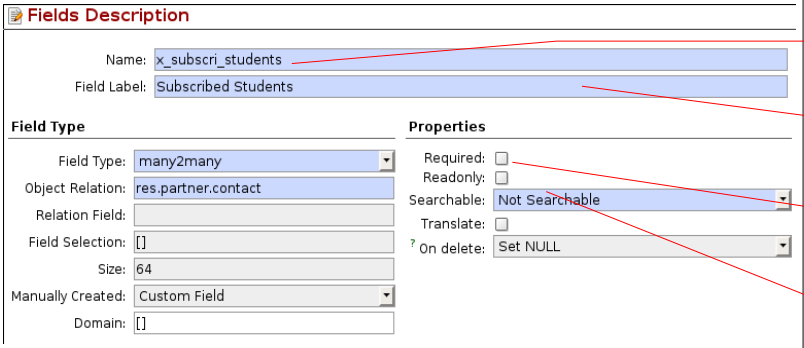
many2one

x_training_course

+

Save

24



x_subscri_students

Subscribed Students

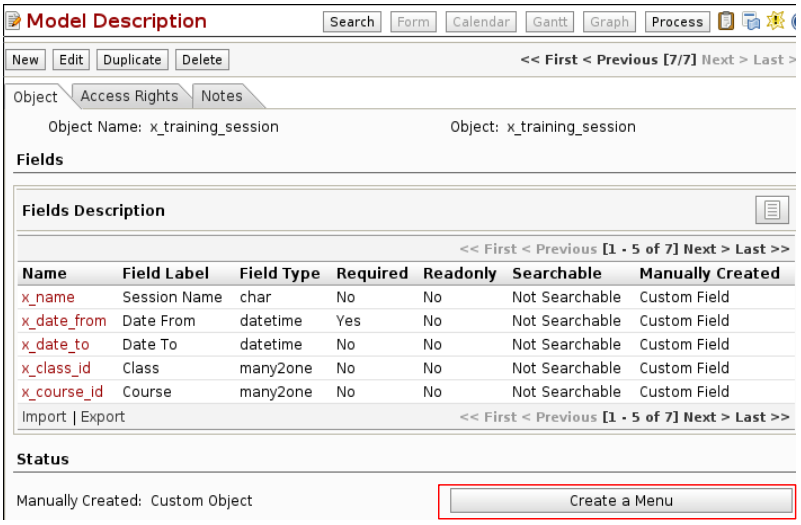
many2many

res.partner.contact

+

Save **+unicode() argument 2 must be string, not None** Close

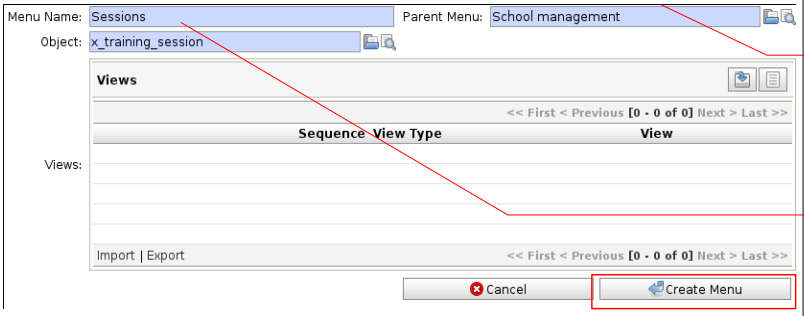
25



+

then click the create menu button

26

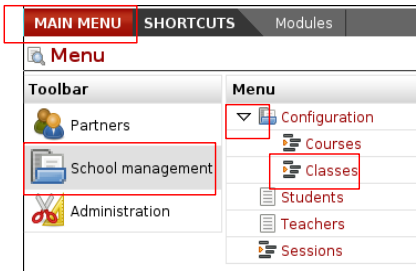
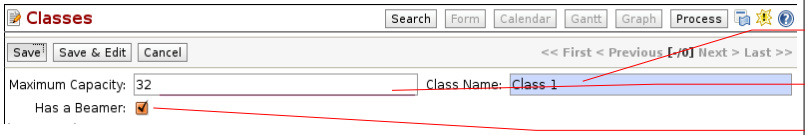
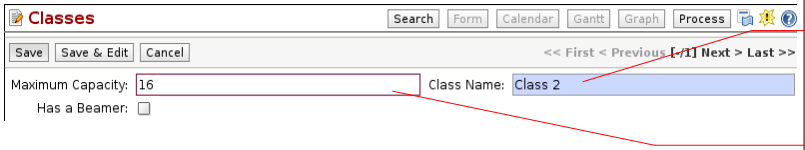
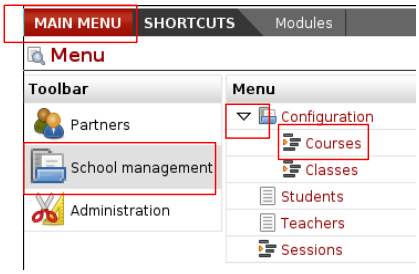
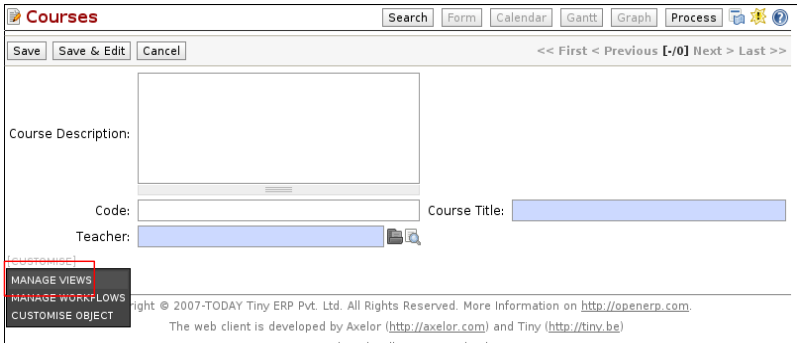
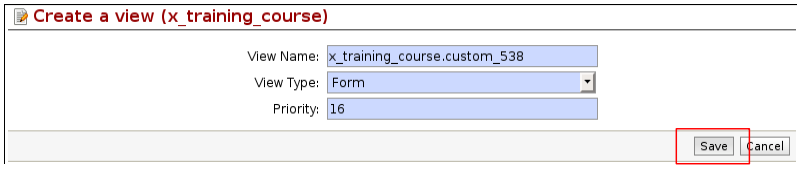


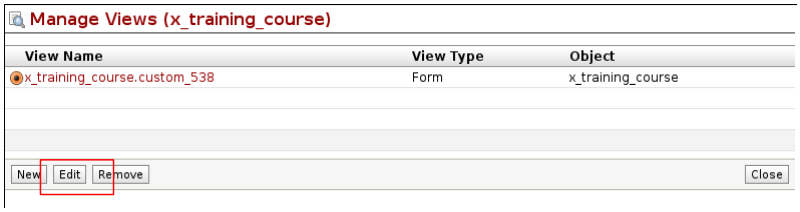
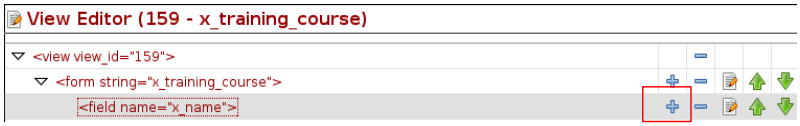
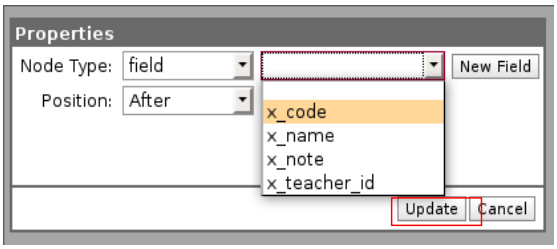
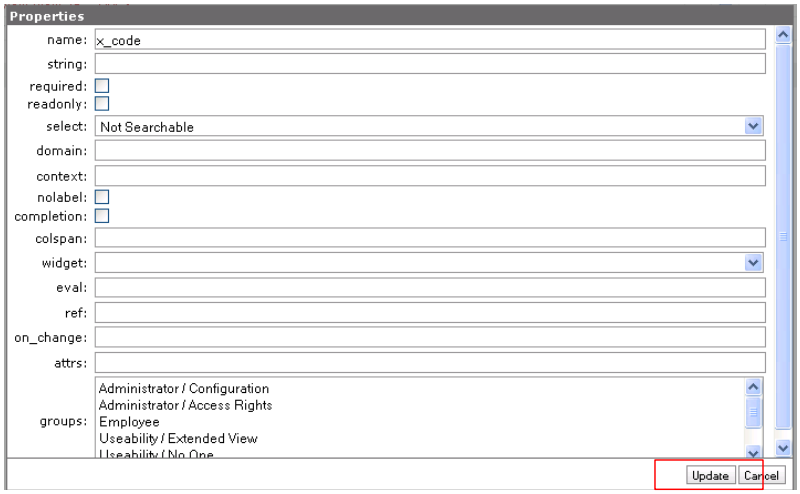
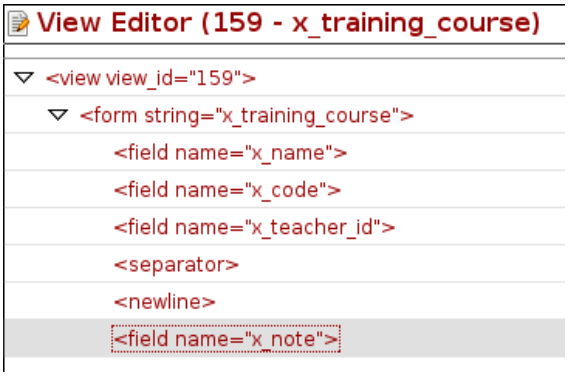
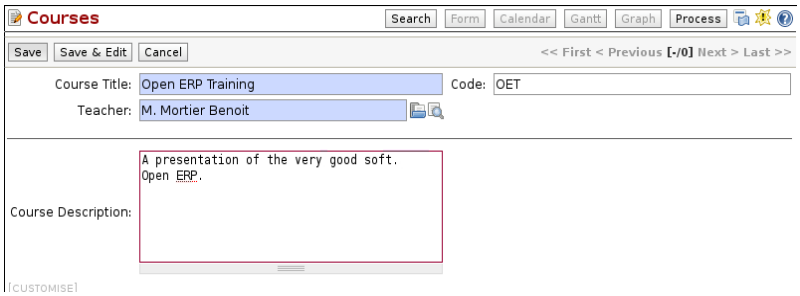
School +[TAB] to select the 'School Management' menu

sessions

then click the create menu button

Manage courses, classes and sessions of courses

27		Select Classes and add the first new class with the New button
28		Class 1 32 √ + Save + New to add the second class
29		Class 2 16 + Save
30		Define courses Select Courses and then add the first new course with the New button
31		Open Object created a view by default
32		Click the New button then the Save button

33		
34		Click the last
35		Select the field x_code and click Update
36		Click Update Repeat step 34 to 36 for the field x_teacher_id. Click to add a separator and a new line (select separator/new line in node type) Repeat step 34 to 36 for the field x_note Build the view as shown in point #37
37		Close
38		Use the new view to add a new course + Save