

# Odoo view cơ bản

## Phần 1

## Giới thiệu:



- Dùng để thể hiện các bản ghi cho người dùng thấy.  
Nó có thể có dạng form, list, kanpan...
- Mỗi view đại diện cho một Model mà nó muốn thể hiện.
- Mỗi view nó cũng là một bản ghi của model `ir.ui.view`
- Tạo view trong các file xml và các file xml phải được khai báo trong `__manifest__.py`



# View cấu tạo cơ bản:

- Id: id external
- name: thường có dạng  
tên\_model.type\_view ví dụ:  
sale.order.form
- model: tên model mà view thể hiện ví  
dụ: sale.order
- arch: nội dung view sẽ thể hiện

```
<record id="MODEL_view_TYPE" model="ir.ui.view">  
  <field name="name">NAME</field>  
  <field name="model">MODEL</field>  
  <field name="arch" type="xml">  
    <VIEW_TYPE>  
      <VIEW_SPECIFICATIONS/>  
    </VIEW_TYPE>  
  </field>  
</record>
```

# View dạng list

- Thẻ hiển danh sách các record dưới dạng list
- Thẻ đầu tiên trong field arch: <tree>
- Các field trong thẻ <tree> sẽ tương ứng với 1

```
<record id="view_order_tree" model="ir.ui.view">
  <field name="name">sale.order.tree</field>
  <field name="model">sale.order</field>
  <field name="priority">2</field>
  <field name="arch" type="xml">
    <tree string="Sales Orders" multi_edit="1" sample="1">
      <field name="message_needaction" invisible="1"/>
      <field name="name" string="Number" readonly="1" decoration-bf="1"/>
      <field name="date_order" string="Order Date" widget="date" optional="show"/>
      <field name="commitment_date" optional="hide"/>
      <field name="expected_date" optional="hide"/>
      <field name="partner_id" readonly="1"/>
      <field name="user_id" optional="show" widget="many2one_avatar_user"/>
      <field name="activity_ids" widget="list_activity" optional="show"/>
      <field name="team_id" optional="hide"/>
      <field name="company_id" groups="base.group_multi_company" optional="show" readonly="1"/>
      <field name="amount_untaxed" sum="Total Tax Excluded" widget="monetary" optional="hide"/>
      <field name="amount_tax" sum="Tax Total" widget="monetary" optional="hide"/>
      <field name="amount_total" sum="Total Tax Included" widget="monetary" decoration-bf="1" optional="show"/>
      <field name="currency_id" invisible="1"/>
      <field name="invoice_status" decoration-success="invoice_status == 'invoiced'" decoration-info="invoice_status == 'draft'" decoration-error="invoice_status == 'cancel'" optional="show"/>
      <field name="tag_ids" optional="hide" widget="many2many_tags" options="{ 'color_field': 'color' }"/>
      <field name="state" invisible="1"/>
    </tree>
  </field>
</record>
```



Sales Orders

Search

1/11/18

Filters Group By Favorites

#	Number	Order Date	Customer	Salesperson	Next Activity	Company	Total	Invoice Status
1	000022	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$29,640	Nothing to Invoice
2	000021	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$14,750	Nothing to Invoice
3	000020	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$14,820	Nothing to Invoice
4	000015	07/03/2021	Genetel Furniture	Mac Demco	Order Ignored	My Company (San Francisco)	\$1,200	Nothing to Invoice
5	000013	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$11,050	Nothing to Invoice
6	000012	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$2,560	Nothing to Invoice
7	000011	07/03/2021	Genetel Furniture	Mac Demco	Email	My Company (San Francisco)	\$3,175	Nothing to Invoice
8	000009	07/03/2021	Genetel Furniture	Mac Demco	Confirm Delivery	My Company (San Francisco)	\$5,125	Nothing to Invoice
9	000001	07/03/2021	Genetel Furniture	Mac Demco		My Company (San Francisco)	\$7,215	Nothing to Invoice
10	000007	07/03/2021	Genetel Furniture	Michael Admin	Check delivery requirements	My Company (San Francisco)	\$14,500	Nothing to Invoice



# View dạng kanban:

- Thẻ hiện danh sách các record dưới dạng kanban
- Thẻ đầu tiên trong field arch: kanban
- Thẻ template có dạng Qweb

```
<!-- Sales Orders Kanban View -->
<record model="ir.ui.view" id="view_sale_order_kanban">
  <field name="name">sale.order.kanban</field>
  <field name="model">sale.order</field>
  <field name="arch" type="xml">
    <kanban class="o_kanban_mobile" sample="1">
      <field name="name"/>
      <field name="partner_id"/>
      <field name="amount_total"/>
      <field name="date_order"/>
      <field name="state"/>
      <field name="currency_id"/>
      <field name="activity_state"/>
      <progressbar field="activity_state" colors="{ 'planned': 'success', 'today': 'warning', 'overdue': 'danger' }"/>
    <templates>
      <t t-name="kanban-box">
        <div t-attf-class="oe_kanban_card oe_kanban_global_click">
          <div class="o_kanban_record_top mb16">
            <div class="o_kanban_record_headings mt4">
              <strong class="o_kanban_record_title"><span><t t-esc="record.partner_id.value"/></span></strong>
            </div>
            <strong><field name="amount_total" widget="monetary"/></strong>
          </div>
          <div class="o_kanban_record_bottom">
            <div class="oe_kanban_bottom_left text-muted">
              <span><t t-esc="record.name.value"/> <t t-esc="record.date_order.value"/></span>
              <field name="activity_id" widget="kanban_activity"/>
            </div>
            <div class="oe_kanban_bottom_right">
              <field name="state" widget="label_selection" options="{ 'classes': { 'draft': 'default', 'cancel': 'danger' } }"/>
            </div>
          </div>
        </div>
      </t>
    </templates>
  </kanban>
</field>
</record>
```

Sales Orders

CREATE

<div>Gemini Furniture</div> <div>¥ 29,640</div> <div>S00022 07/03/2021 17:44:44 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 14,750</div> <div>S00021 07/03/2021 17:44:44 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 14,820</div> <div>S00020 07/03/2021 17:44:44 <span></span> <a href="#">Sales Order</a></div>
<div>Gemini Furniture</div> <div>¥ 3,175</div> <div>S00011 07/03/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 5,125</div> <div>S00009 07/03/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 7,315</div> <div>Test/001 07/03/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>
<div>Gemini Furniture</div> <div>¥ 9,773</div> <div>S00008 06/26/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 11,838</div> <div>S00014 06/19/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>	<div>Gemini Furniture</div> <div>¥ 7,388</div> <div>S00010 06/12/2021 17:44:08 <span></span> <a href="#">Sales Order</a></div>

# View dạng form:

- Tạo ra form nhập liệu để create/edit một record
- Thẻ đầu tiên trong field arch: form

```
<record id="view_order_form" model="ir.ui.view">
  <field name="name">sale.order.form</field>
  <field name="model">sale.order</field>
  <field name="arch" type="xml">
    <form string="Sales Order" class="o_sale_order" js_class="sale_discount_form">
      <header>
        <sheet>
          <div class="oe_button_box" name="button_box">
            <div class="oe_title">
              <h1>
                <field name="name" readonly="1"/>
              </h1>
            </div>
          </div>
          <group name="sale_header">
            <notebook>
              <page string="Order Lines" name="order_lines">
                <field
                  name="order_line"
                  widget="section_and_note_one2many"
                  mode="tree,kanban"
                  attrs="{readonly: [ ('state', 'in', ('done','cancel')) ]}"
                />
                <form>
                  <tree
                    string="Sales Order Lines"
                    editable="bottom"
                  >
                    <control>
                      <create name="add_product_control" string="Add a product"/>
                      <create name="add_section_control" string="Add a section" context="{ 'default_display_type': 'list' }"/>
                      <create name="add_note_control" string="Add a note" context="{ 'default_display_type': 'list' }"/>
                    </control>
                    <field name="sequence" widget="handle" />
                  </tree>
                </form>
              </page>
            </notebook>
          </group>
        </sheet>
      </header>
    </form>
  </field>
</record>
```

New

Customer \_\_\_\_\_ Expiration \_\_\_\_\_

Quotation Template \_\_\_\_\_ Quotation Date 08/11/2021 14:55:57

Payment Terms \_\_\_\_\_

Sale Description \_\_\_\_\_

Order Lines Optional Products Other Info Customer Signature

Product	Description	Quantity	Unit Price	Taxes	Subtotal
Add a product Add a section Add a note					

Terms and conditions...

Untaxed Amount: 0.00

Taxes: 0.00

Total: 0.00

# Inherit view

- Để chỉnh sửa 1 view đã tồn tại.
- Phải có thêm field inherit\_id để khai báo external id của view cha.
- Ta dùng XPATH để tham chiếu tới node cần thay đổi / chỉnh sửa trong view cha.
- Trong XPATH có thuộc tính position để chỉ định cách thay đổi.

inside: nối thêm vào trong node chỉ định

replace: thay thế node chỉ định

after: nối sau node chỉ định

before: nối trước node chỉ định

attributes: thay thế attributes của node chỉ định

move: di chuyển node chỉ định

```
<record id="product_template_tree_view_inherit" model="ir.ui.view">
  <field name="model">product.template</field>
  <field name="inherit_id" ref="product.product_template_tree_view" />
  <field name="arch" type="xml">
    <xpath expr="//field[@name='standard_price']" position="after">
      <field name="manufacturer" optional="show"/>
      <field name="qty" optional="show"/>
      <field name="width" optional="show"/>
      <field name="height" optional="show"/>
      <field name="depth" optional="show"/>
      <field name="volume_mm" optional="show" readonly="1"/>
      <field name="weight_g" optional="show"/>
      <field name="volume_l" optional="show" readonly="1"/>
      <field name="source" optional="show"/>
      <field name="out_stock_info" optional="show"/>
      <field name="replace_info" optional="show"/>
      <field name="detail_info" optional="show"/>
      <field name="itf_code" optional="show"/>
    </xpath>
  </field>
</record>
```

# Q&A