

Odoo Studio

Build a complete app from scratch without development

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1 Introduction

2 Live demo

2.1 Create and structure the application

2.2 Customize basic views

2.3 Add more views

2.4 More cool stuff

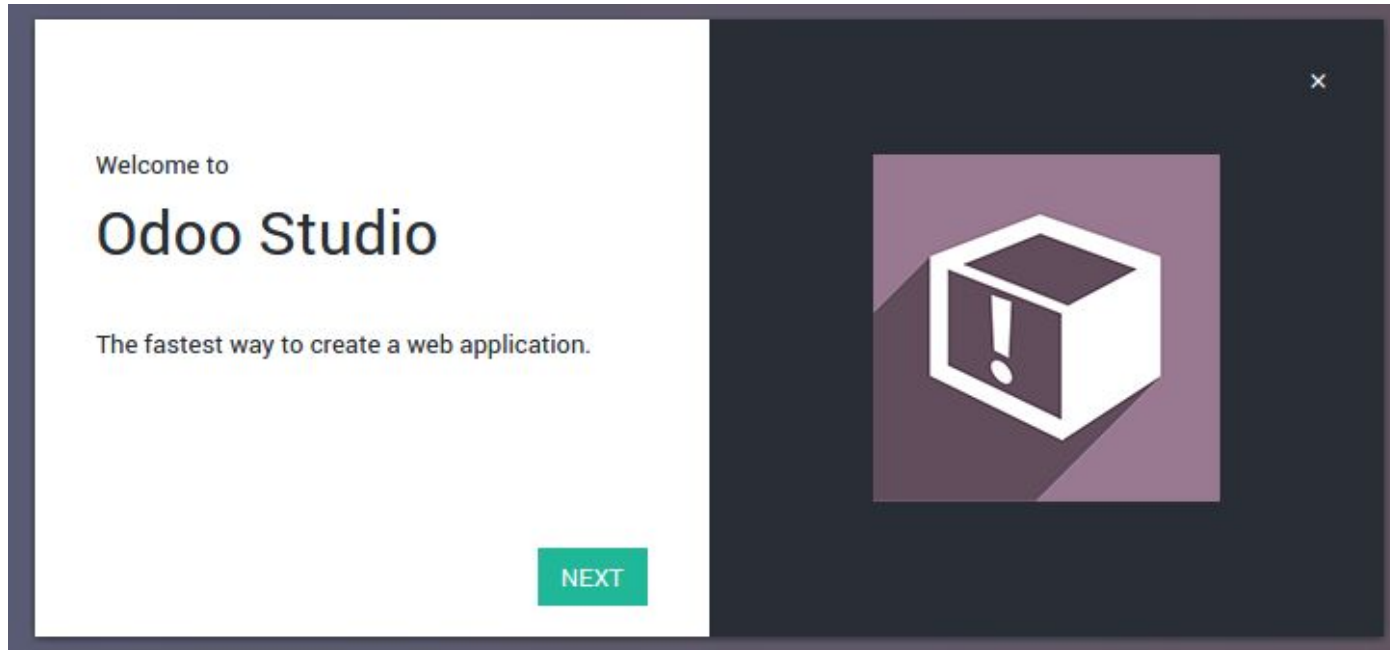
2.5 Far beyond Studio

3 Conclusion & Future developments



Introduction

Introduction



- Odoo Studio allows you (database admin) to create or modify
 - Menus
 - Actions
 - Views
 - Models
 - Fields
- In a simple and intuitive way



Live demo

Use case: *Odoo Care*[©] (1)

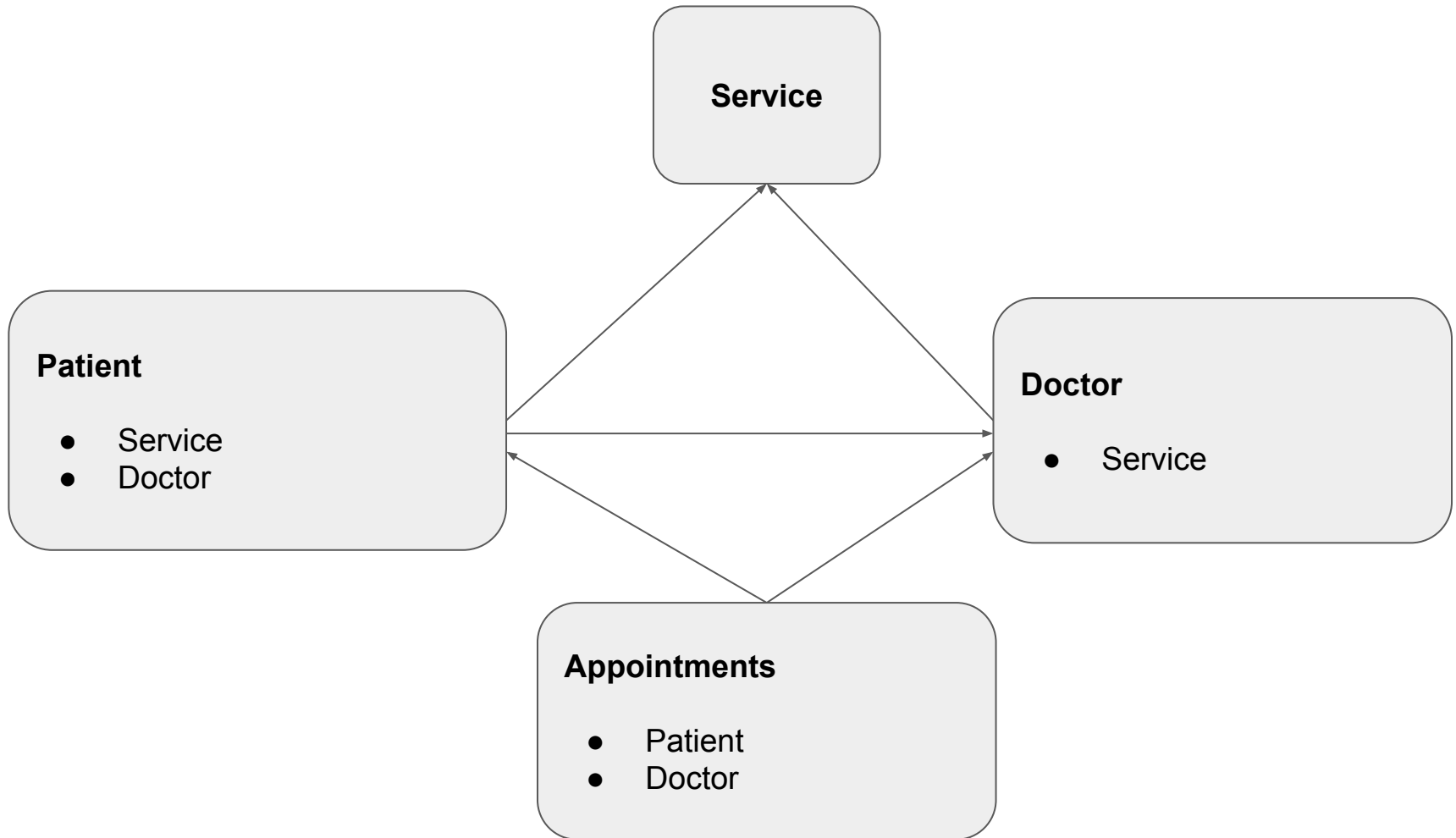
Deal with day-to-day operations in a hospital

- Arrival at the hospital
- Filling information about the patient
- Integration inside a specific service
- Meeting with a doctor for diagnostic
- Schedule appointments for appropriate exams

Use case: *Odoo Care*[©] (2)

The image shows a screenshot of the Odoo Care application interface. At the top, there is a dark purple navigation bar containing a grid icon, the text 'Odoo Care', and four menu items: 'Patients', 'Doctors', 'Appointments', and 'Configuration'. Below this bar, the text 'Odoo Care' is displayed on the left. On the right, a light gray dropdown menu is open, showing the word 'Services'.

Use case: *Odoo Care*[©] (3)



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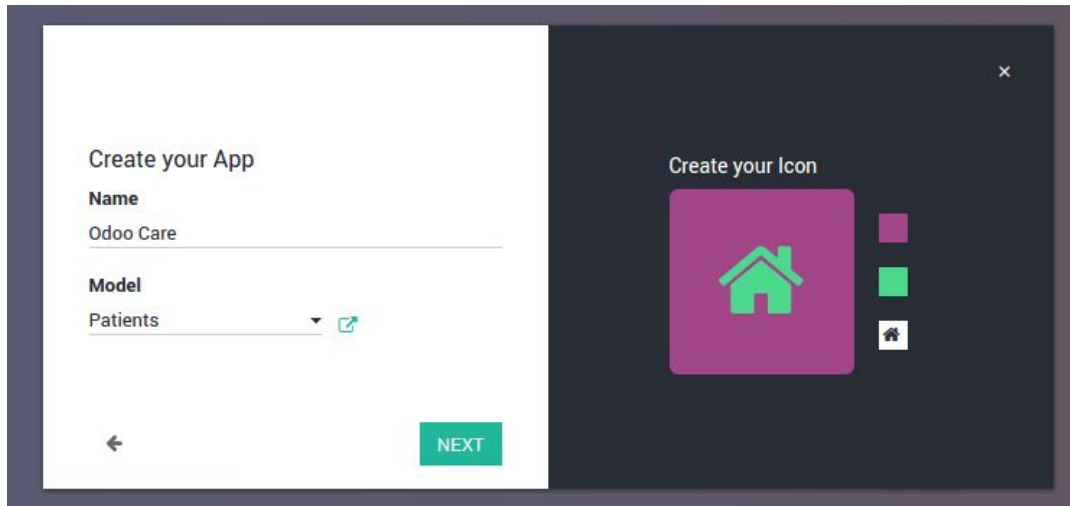
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2.1 Create and Structure the Application

- Create the top menu
- Create our models
- Structure the application



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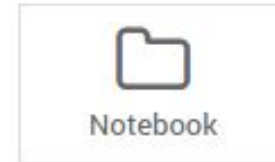
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2.2 Customize Basic Views

- Build the layout
- Add new elements in your view
- Create new fields

Add an Element



CANCEL

Fields in Odoo (1)

Field Name	x_name	Field Type	char
Field Label	Name	Field Help	
Model	Doctor		

- Boolean
- Integer
- Float
- Char
- Text
- Date/Datetime
- *Selection*
- *Relational fields*
 - *Many2one*
 - *One2many*
 - *Many2many*

Fields in Odoo (2)


- **Selection**
 - Specify a list [] of possible field values, called “Selection Options”
 - A value is represented as (‘name’, ‘Display Name’)

Selection Options

[('blue', 'Blue'),('yellow', 'Yellow')]

Fields in Odoo (3)

- Many2one

Field Name	<input type="text" value="x_doctor_id"/>	Field Type	<input type="text" value="many2one"/>
Field Label	<input type="text" value="Doctor"/>	Field Help	<input type="text"/>
Model	<input type="text" value="Patients"/> 		<input type="text"/>
		Object Relation	<input type="text" value="x_doctor"/>

- *Object Relation*: name of the target model
- e.g. A patient can only have one doctor
- One2many
 - e.g. A doctor can have multiple patients
- Many2many
 - e.g. A doctor can work in multiple services, and a service can have multiple doctors

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Views in Odoo

- List
- Form
- Search
 - do not display content but *filters* content from other views

Views in Odoo

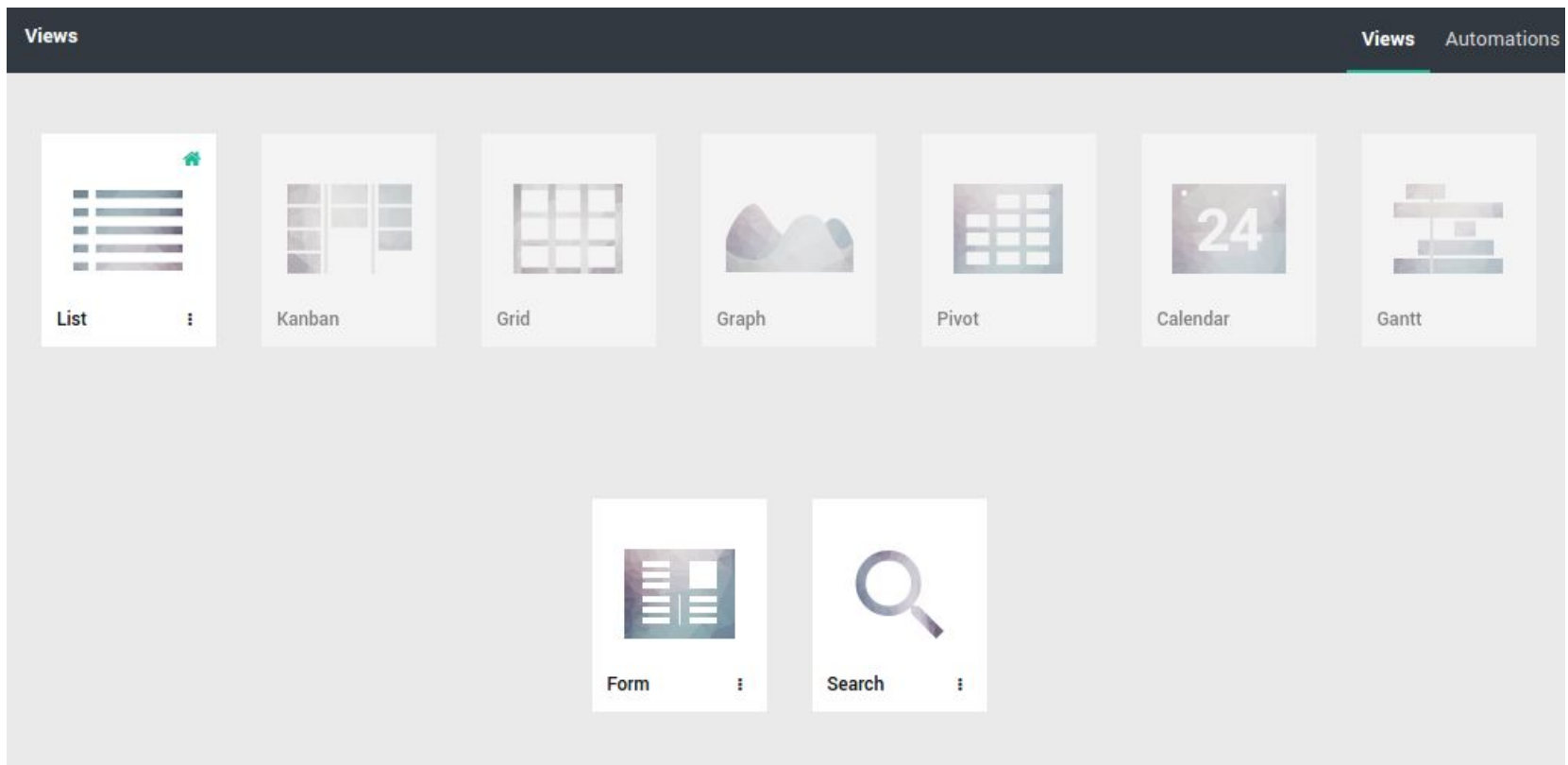
- List
- Form
- Search
 - do not display content but *filters* content from other views
- Kanban
 - displays records as "cards", can be grouped for workflow management
- Graph
 - used to visualize aggregations over a number of records or groups
- Pivot
 - used to visualize aggregations as a pivot table

Views in Odoo

- **List**
- **Form**
- **Search**
 - do not display content but *filters* content from other views
- **Kanban**
 - displays records as "cards", can be grouped for workflow management
- **Graph**
 - used to visualize aggregations over a number of records or groups
- **Pivot**
 - used to visualize aggregations as a pivot table
- **Calendar**
 - displays records as events in a daily, weekly or monthly calendar
 - needs mandatory fields (e.g. start date, end date)

2.3 Add More Views

- Add a Kanban view for patients
- Add a Calendar view for appointments
- Rearrange them the way you like



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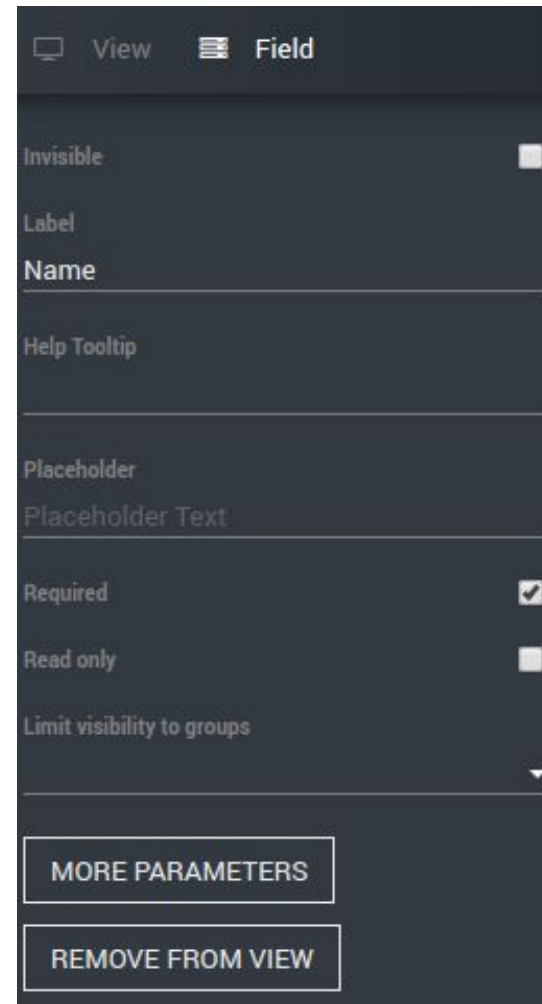
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2.4 More Cool Stuff



- Add a button box with stat buttons
- Add a chatter
- Use the sidebar



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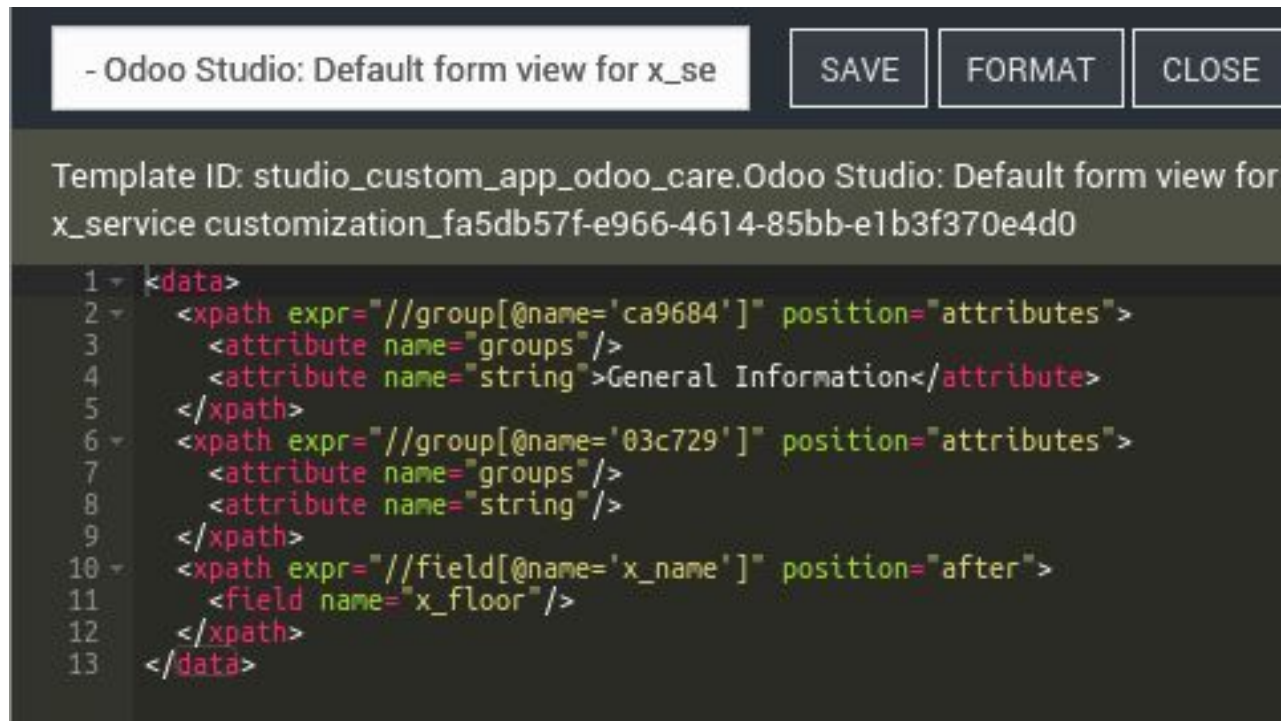
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2.5 Far Beyond Studio

- Unleash the power of Studio
 - More Parameters
 - XML editor (developer mode only)



The screenshot displays the Odoo Studio XML editor interface. At the top, there is a title bar with the text "- Odoo Studio: Default form view for x_se" and three buttons: "SAVE", "FORMAT", and "CLOSE". Below the title bar, the template ID is shown as "studio_custom_app_odoo_care.Odoo Studio: Default form view for x_service customization_fa5db57f-e966-4614-85bb-e1b3f370e4d0". The main area contains XML code for defining form view groups and fields.

```
1 <data>
2   <xpath expr="//group[@name='ca9684']" position="attributes">
3     <attribute name="groups"/>
4     <attribute name="string">General Information</attribute>
5   </xpath>
6   <xpath expr="//group[@name='03c729']" position="attributes">
7     <attribute name="groups"/>
8     <attribute name="string"/>
9   </xpath>
10  <xpath expr="//field[@name='x_name']" position="after">
11    <field name="x_floor"/>
12  </xpath>
13 </data>
```




Conclusion & Future Developments

Improvements for Odoo Care

- Use existing models (Partner)
- Create employee schedule
- Assign treatments to patients
- etc.

Future Developments

This is only the first version of Studio !

- Export and import a created module
- WYSIWYG mode for all views
- Select a specific widget for a field
- Customize subviews
- Upload an image for your application
- Change the App Switcher background
- Add more and more options

Thank you. Questions?



#odooexperience