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Fecha: 15/11/24

# ÍNDICE

Captura del contenido de los ficheros ..... 2

Captura del contenido de 2 ficheros xml (vista)..... 3

Captura del fichero manifest.py..... 4

Captura del fichero de ir.model.access.csv..... 5

Captura de la estructura de menús en la interfaz gráfica de Odoo ..... 5

# Captura del contenido de los ficheros

## History.py

```
1  # -*- coding: utf-8 -*-
2
3  from odoo import models, fields, api
4
5
6  class history(models.Model):
7      _name = 'manageestela.history'
8      _description = 'manageestela.history'
9
10     name = fields.Char(string="Nombre", readonly=False, required=True,
11                        help="Introduzca el nombre")
12     description = fields.Char(string="Descripción")
```

## Technology.py

```
from odoo import models, fields, api

class technology(models.Model):
    _name = 'manageestela.technology'
    _description = 'manageestela.technology'

    name = fields.Char(string="Nombre", readonly=False, required=True,
                       help="Introduzca el nombre")
    description = fields.Char(string="Descripción")
    image = fields.Image(string="Imagen")

    # CADA TAREA SE USA MULTIPLE TECNOLOGIAS Y CADA TECNOLOGIA ESTA ASOCIADA A MULTIPLES TAREAS
    task_id = fields.Many2many(
        comodel_name="manageestela.technology",
        relation="technology_task",
        column1="task_id",
        column2="technology_id"
```

## Sprint.py

```
from odoo import models, fields, api

class sprint(models.Model):
    _name = 'manageestela.sprint'
    _description = 'manageestela.sprint'

    name = fields.Char(string="Nombre", readonly=False, required=True,
                       help="Introduzca el nombre")
    description = fields.Char(string="Descripción")
    start_date = fields.Datetime(string="Fecha Inicio")
    end_date = fields.Datetime(string="Fecha Finalización")

    # CADA SPRINT TIENE MULTIPLES TAREAS ASIGNADAS; CADA TAREA SE ASIGNA A UN SPRINT ESPECIFICO
    task_id = fields.One2many(string="Tasks", comodel_name="manageestela.task",
                             inverse_name="sprint_id")
```

## Task.py

```
from odoo import models, fields, api

class task(models.Model):
    _name = 'manageestela.task'
    _description = 'manageestela.task'

    name = fields.Char(string="Nombre", readonly=False, required=True,
                       help="Introduzca el nombre")
    description = fields.Char(string="Descripción")
    start_date = fields.Datetime(string="Fecha Inicio")
    end_date = fields.Datetime(string="Fecha Finalización")
    is_paused = fields.Boolean(string="¿Este pausado?")

    # CADA SPRINT TIENE MULTIPLES TAREAS ASIGNADAS; CADA TAREA SE ASIGNA A UN SPRINT ESPECIFICO
    sprint_id = fields.Many2one("manageestela.sprint", string="Sprint", required=True,
                                ondelete="cascade")

    # CADA TAREA SE USA MULTIPLE TECNOLOGIAS Y CADA TECNOLOGIA ESTA ASOCIADA A MULTIPLES TAREAS
    technology_id = fields.Many2many(
        comodel_name="manageestela.technology",
        relation="technology_task",
        column1="technology_id",
        column2="task_id"
```

## Project.py

```
from odoo import models, fields, api

class project(models.Model):
    _name = 'manageestela.project'
    _description = 'manageestela.project'

    name = fields.Char(string="Nombre", readonly=False, required=True,
                       help="Introduzca el nombre")
    description = fields.Char(string="Descripción")
```

# Captura del contenido de 2 ficheros xml (vista)

## Project

```
<!-- explicit list view definition -->

<record model="ir.ui.view" id="vista_manageestela_project_tree">
  <field name="name">vista_manageestela_project_tree</field>
  <field name="model">manageestela_project</field>
  <field name="arch" type="xml">
    <tree>
      <field name="name" string="Nombre"/>
      <field name="description" string="Descripción"/>
    </tree>
  </field>
</record>

<record id="vista_manageestela_project_form" model="ir.ui.view">
  <field name="name">vista_manageestela_project_form</field>
  <field name="model">manageestela_project</field>
  <field name="arch" type="xml">
    <form string="formulario_project">
      <sheet>
        <group name="group_top">
          <field name="name" string="Nombre"/>
          <field name="description" string="Descripción"/>
        </group>
      </sheet>
    </form>
  </field>
</record>

<record model="ir.actions.act_window" id="accion_manageestela_project_form">
  <field name="name">Listado de proyectos</field>
  <field name="type">ir.actions.act_window</field>
  <field name="res_model">manageestela_project</field>
  <field name="view_mode">tree,form</field>
  <field name="help" type="html">
    <p>Proyectos</p>
    <p><strong>Crear</strong> para añadir nuevos elementos</p>
  </field>
</record>

<!-- Menu raíz -->
<menuitem name="Manage Estela" id="menu_manageestela_raiz"/>
<!-- Segundo nivel -->

<menuitem name="Management" id="menu_manageestela_management"
  parent="menu_manageestela_raiz"/>
<!-- actions -->
<menuitem name="Projects" id="menu_manageestela_project"
  parent="menu_manageestela_management"
  action="accion_manageestela_project_form"/>

</data>
</odoo>
```

## History

```
<!-- explicit list view definition -->

<record model="ir.ui.view" id="vista_manageestela_history_tree">
  <field name="name">vista_manageestela_history_tree</field>
  <field name="model">manageestela_history</field>
  <field name="arch" type="xml">
    <tree>
      <field name="name" string="Nombre"/>
      <field name="description" string="Descripción"/>
    </tree>
  </field>
</record>

<record id="vista_manageestela_history_form" model="ir.ui.view">
  <field name="name">vista_manageestela_history_form</field>
  <field name="model">manageestela_history</field>
  <field name="arch" type="xml">
    <form string="formulario_history">
      <sheet>
        <group name="group_top">
          <field name="name" string="Nombre"/>
          <field name="description" string="Descripción"/>
        </group>
      </sheet>
    </form>
  </field>
</record>

<record model="ir.actions.act_window" id="accion_manageestela_history_form">
  <field name="name">Listado de historial</field>
  <field name="type">ir.actions.act_window</field>
  <field name="res_model">manageestela_history</field>
  <field name="view_mode">tree,form</field>
  <field name="help" type="html">
    <p>Historial</p>
    <p><strong>Crear</strong> para añadir nuevos elementos</p>
  </field>
</record>

<!-- Menu raíz -->
<menuitem name="Manage Estela" id="menu_manageestela_raiz"/>
<!-- Segundo nivel -->

<menuitem name="Management" id="menu_manageestela_management"
  parent="menu_manageestela_raiz"/>
<!-- actions -->
<menuitem name="History" id="menu_manageestela_history"
  parent="menu_manageestela_management"
  action="accion_manageestela_history_form"/>

</data>
</odoo>
```

## Sprint

```
<!-- explicit list view definition -->

<record model="ir.ui.view" id="vista_manageestela_sprint_tree">
  <field name="name">vista_manageestela_sprint_tree</field>
  <field name="model">manageestela_sprint</field>
  <field name="arch" type="xml">
    <tree>
      <field name="name" string="Nombre"/>
      <field name="description" string="Descripción"/>
      <field name="start_date" string="Fecha Inicializacion"/>
      <field name="end_date" string="Fecha Finalizacion"/>
      <field name="task_id" string="ID Tarea"/>
    </tree>
  </field>
</record>

<record id="vista_manageestela_sprint_form" model="ir.ui.view">
  <field name="name">vista_manageestela_sprint_form</field>
  <field name="model">manageestela_sprint</field>
  <field name="arch" type="xml">
    <form string="formulario_sprint">
      <sheet>
        <group name="group_top">
          <field name="name" string="Nombre"/>
          <field name="description" string="Descripción"/>
          <field name="start_date" string="Fecha Inicializacion"/>
          <field name="end_date" string="Fecha Finalizacion"/>
          <field name="task_id" string="ID Tarea"/>
        </group>
      </sheet>
    </form>
  </field>
</record>

<record model="ir.actions.act_window" id="accion_manageestela_sprint_form">
  <field name="name">Listado de sprints</field>
  <field name="type">ir.actions.act_window</field>
  <field name="res_model">manageestela_sprint</field>
  <field name="view_mode">tree,form</field>
  <field name="help" type="html">
    <p>Sprints</p>
    <p><strong>Crear</strong> para añadir nuevos elementos</p>
  </field>
</record>

<!-- Menu raíz -->
<menuitem name="Manage Estela" id="menu_manageestela_raiz"/>
<!-- Segundo nivel -->
<menuitem name="Management" id="menu_manageestela_management"
  parent="menu_manageestela_raiz"/>
<!-- actions -->
<menuitem name="Sprints" id="menu_manageestela_sprint"
  parent="menu_manageestela_management"
  action="accion_manageestela_sprint_form"/>

</data>
</odoo>
```

## Task

```
<!-- explicit list view definition -->

<record model="ir.ui.view" id="vista_manageestela_task_tree">
  <field name="name">vista_manageestela_task_tree</field>
  <field name="model">manageestela_task</field>
  <field name="arch" type="xml">
    <tree>
      <field name="name" string="Nombre"/>
      <field name="description" string="Descripción"/>
      <field name="start_date" string="Fecha Inicializacion"/>
      <field name="end_date" string="Fecha Finalizacion"/>
      <field name="is_paused" string="¿Está Paused?"/>
      <field name="sprint_id" string="ID Sprint"/>
      <field name="technology_id" string="ID Technology"/>
    </tree>
  </field>
</record>

<record id="vista_manageestela_task_form" model="ir.ui.view">
  <field name="name">vista_manageestela_task_form</field>
  <field name="model">manageestela_task</field>
  <field name="arch" type="xml">
    <form string="formulario_task">
      <sheet>
        <group name="group_top">
          <field name="name" string="Nombre"/>
          <field name="description" string="Descripción"/>
          <field name="start_date" string="Fecha Inicializacion"/>
          <field name="end_date" string="Fecha Finalizacion"/>
          <field name="is_paused" string="¿Está Paused?"/>
          <field name="sprint_id" string="ID Sprint"/>
          <field name="technology_id" string="ID Technology"/>
        </group>
      </sheet>
    </form>
  </field>
</record>

<record model="ir.actions.act_window" id="accion_manageestela_task_form">
  <field name="name">Listado de proyectos</field>
  <field name="type">ir.actions.act_window</field>
  <field name="res_model">manageestela_task</field>
  <field name="view_mode">tree,form</field>
  <field name="help" type="html">
    <p>Tecnologías</p>
    <p><strong>Crear</strong> para añadir nuevos elementos</p>
  </field>
</record>

<!-- Menu raíz -->
<menuitem name="Manage Estela" id="menu_manageestela_raiz"/>
<!-- Segundo nivel -->
<menuitem name="Management" id="menu_manageestela_management"
  parent="menu_manageestela_raiz"/>
<!-- actions -->
<menuitem name="Task" id="menu_manageestela_task"
  parent="menu_manageestela_management"
  action="accion_manageestela_task_form"/>

</data>
</odoo>
```

## Technology

```
<odoo>
<data>
<!-- explicit list view definition -->

<record model="ir.ui.view" id="vista_manageestela_technology_tree">
  <field name="name">vista_manageestela_technology_tree</field>
  <field name="model">manageestela.technology</field>
  <field name="arch" type="xml">
    <tree>
      <field name="name" string="Nombre"/>
      <field name="description" string="Descripción"/>
      <field name="image" string="Imagen"/>
      <field name="task_id" string="ID Tarea"/>
    </tree>
  </field>
</record>

<record id="vista_manageestela_technology_form" model="ir.ui.view">
  <field name="name">vista_manageestela_technology_form</field>
  <field name="model">manageestela.technology</field>
  <field name="arch" type="xml">
    <form string="formulario_technology">
      <sheet>
        <group name="group_top">
          <field name="name" string="Nombre"/>
          <field name="description" string="Descripción"/>
          <field name="image" string="Imagen"/>
          <field name="task_id" string="ID Tarea"/>
        </group>
      </sheet>
    </form>
  </field>
</record>

<record model="ir.actions.act_window" id="accion_manageestela_technology_form">
  <field name="name">Listado de proyectos</field>
  <field name="type">ir.actions.act_window</field>
  <field name="res_model">manageestela.technology</field>
  <field name="view_mode">tree,form</field>
  <field name="help" type="html">
    <p class="oe_view_nocontent_create">
      Tecnologías
    </p>
    <p>Click <strong>'Crear'</strong> para añadir nuevos elementos</p>
  </field>
</record>

<!-- Menú raíz -->
<menuitem name="Manage Estela" id="menu_manageestela_raiz"/>

<!-- Segundo nivel -->
<menuitem name="Management" id="menu_manageestela_management"
  parent="menu_manageestela_raiz"/>

<!-- actions -->
<menuitem name="Technology" id="menu_manageestela_technology"
  parent="menu_manageestela_management"
  action="accion_manageestela_technology_form"/>
</data>
</odoo>
```

El menu raiz y el submenu solo hace falta declararlos en un xml, en los demás xml solo tenemos que declarar el menu de la accion que va dentro del submenu y ponerle en el parent el id del submenu.

## Captura del fichero manifest.py

```
'data': [
  'security/ir.model.access.csv',
  'views/views.xml',
  'views/templates.xml',
  'views/project.xml',
  'views/history.xml',
  'views/sprint.xml',
  'views/technology.xml',
  'views/task.xml',
]
```

## Captura del fichero de ir.model.access.csv

```
id,name,model_id:id,group_id:id,perm_read,perm_write,perm_create,perm_unlink
access_manageestela_history,manageestela.history,model_manageestela_history,base.group_user,1,1,1,1
access_manageestela_project,manageestela.project,model_manageestela_project,base.group_user,1,1,1,1
access_manageestela_sprint,manageestela.sprint,model_manageestela_sprint,base.group_user,1,1,1,1
access_manageestela_task,manageestela.task,model_manageestela_task,base.group_user,1,1,1,1
access_manageestela_technology,manageestela.technology,model_manageestela_technology,base.group_user,1,1,1,1
```

## Captura de la estructura de menús en la interfaz gráfica de Odoo

