

## EXPLICACION PARTE PRACTICA

### ESTADOS ANTERIORES DEL MODEL Y LA VIEW

#### MODEL

```
from odoo import models, fields, api

class Filamento(models.Model):
    _name = 'impresora.filamento'
    _description = 'Stock de Filamento 3D'

    name = fields.Char(string='Nombre', required=True)
    material = fields.Selection([
        ('pla', 'PLA'),
        ('petg', 'PETG'),
        ('abs', 'ABS'),
        ('tpu', 'TPU'),
        ('resina', 'Resina'),
    ], string='Material', required=True)
    color = fields.Char(string='Color')
    stock_kg = fields.Float(string='Stock (kg)', digits=(10, 3), default=0.0)
    stock_minimo_kg = fields.Float(string='Stock mínimo (kg)', default=0.5)
    proveedor_id = fields.Many2one('res.partner', string='Proveedor')
    bajo_stock = fields.Boolean(
        string='Bajo stock',
        compute='_compute_bajo_stock',
        store=True
    )

@api.depends('stock_kg', 'stock_minimo_kg')
def _compute_bajo_stock(self):
    for rec in self:
        rec.bajo_stock = rec.stock_kg < rec.stock_minimo_kg
```

**VIEW**

```
<!-- — Formulario -->
<record id='formulario_filamento_view' model='ir.ui.view'>
    <field name='name'>impresora.filamento.form</field>
    <field name='model'>impresora.filamento</field>
    <field name='arch' type='xml'>
        <form string='Filamento'>
            <group>
                <field name='name' />
                <field name='material' />
                <field name='color' />
                <field name='proveedor_id' />
            </group>
            <group string='Stock'>
                <field name='stock_kg' />
                <field name='stock_minimo_kg' />
                <field name='bajo_stock' readonly='1' />
            </group>
        </form>
    </field>
</record>

<!-- — Lista -->
<record id='lista_filamentos_view' model='ir.ui.view'>
    <field name='name'>impresora.filamento.list</field>
    <field name='model'>impresora.filamento</field>
    <field name='arch' type='xml'>
        <list string='Filamentos' decoration-danger='bajo_stock==True'>
            <field name='name' />
            <field name='material' />
            <field name='color' />
            <field name='stock_kg' />
            <field name='stock_minimo_kg' />
            <field name='bajo_stock' />
        </list>
    </field>
</record>

<!-- — Acción de ventana -->
<record id='accion_filamento' model='ir.actions.act_window'>
    <field name='name'>Filamentos</field>
    <field name='res_model'>impresora.filamento</field>
    <field name='view_mode'>list,form</field>
</record>
```

CAMBIOS

```
class Filamento(models.Model):
    _name = 'impresora.filamento'
    _description = 'Stock de Filamento 3D'

    name = fields.Char(string='Nombre', required=True)
    material = fields.Selection([
        ('pla', 'PLA'),
        ('petg', 'PETG'),
        ('abs', 'ABS'),
        ('tpu', 'TPU'),
        ('resina', 'Resina'),
    ], string='Material', required=True)
    color = fields.Char(string='Color')
    stock_kg = fields.Float(string='Stock (kg)', digits=(10, 3), default=0.0)
    stock_minimo_kg = fields.Float(string='Stock mínimo (kg)', default=0.5)
    proveedor_id = fields.Many2one('res.partner', string='Proveedor')
    bajo_stock = fields.Boolean(
        string='Bajo stock',
        compute='_compute_bajo_stock',
        store=True
    )
    estado = fields.Selection([
        ('draft', 'Borrador'),
        ('confirmed', 'Confirmado'),
        ('cancelled', 'Cancelado'),
    ], string='Estado', required=True, default= 'draft')

@api.depends('stock_kg', 'stock_minimo_kg')
def _compute_bajo_stock(self):
    for rec in self:
        rec.bajo_stock = rec.stock_kg < rec.stock_minimo_kg
```

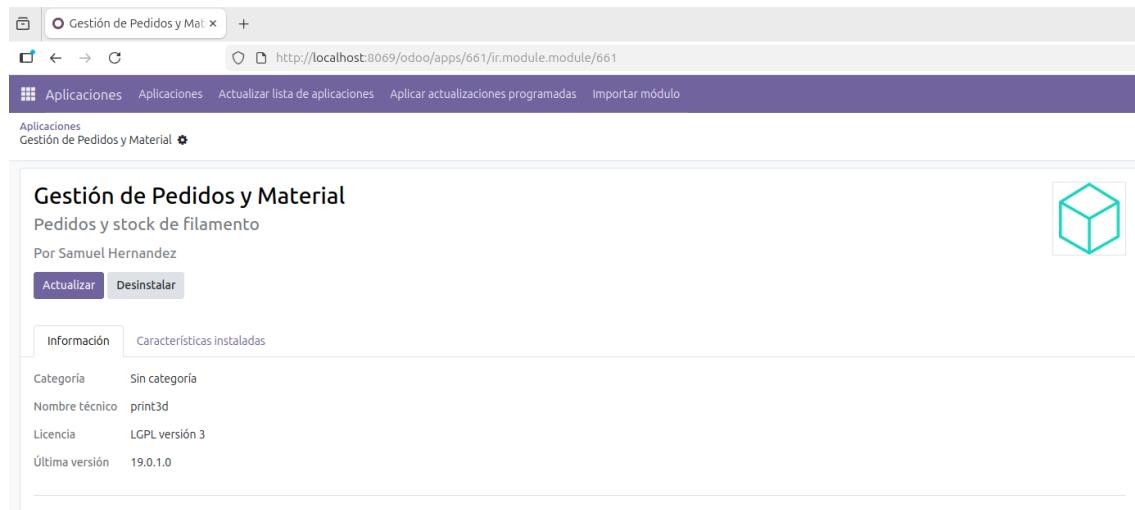
En el modelo he agregado un campo estado con las distintas variables

```
<!-- — Formulario -->
<record id='formulario_filamento_view' model='ir.ui.view'>
    <field name='name'>impresora.filamento.form</field>
    <field name='model'>impresora.filamento</field>
    <field name='arch' type='xml'>
        <form string='Filamento'>
            <group>
                <field name='name'/>
                <field name='material'/>
                <field name='color'/>
                <field name='proveedor_id' />
                <field name='estado' />
            </group>
            <group string='Stock'>
                <field name='stock_kg' />
                <field name='stock_minimo_kg' />
                <field name='bajo_stock' readonly='1' />
            </group>
        </form>
    </field>
</record>

<!-- — Lista -->
<record id='lista_filamentos_view' model='ir.ui.view'>
    <field name='name'>impresora.filamento.list</field>
    <field name='model'>impresora.filamento</field>
    <field name='arch' type='xml'>
        <list string='Filamentos' decoration-danger='bajo_stock==True'>
            <field name='name' />
            <field name='material' />
            <field name='color' />
            <field name='stock_kg' />
            <field name='stock_minimo_kg' />
            <field name='bajo_stock' />
            <field name='estado' />
        </list>
    </field>
```

Tanto en el formulario como en la lista he agregado el filed del campo nuevo

## Samuel Herández Guerrero DAM2



He actualizado la aplicación y aparece todo correctamente

### VISTA DE LOS CAMBIOS

The screenshot shows the 'Filamentos' creation form in Odoo. At the top, there's a purple header bar with tabs for 'Impresión 3D', 'Pedidos', and 'Filamentos'. Below it is a toolbar with 'Nuevo' (highlighted), 'Filamentos' (with a gear icon), a search bar ('Buscar...'), and a dropdown menu. The main form has fields for 'Nombre' (Basic), 'Material' (PLA), 'Color' (Negro), 'Stock (kg)' (100,000), 'Stock mínimo...' (0,50), 'Bajo stock' (unchecked), and 'Estado' (Cancelado). A 'Nuevo' button is highlighted. Below the form, there are labels for 'Nombre', 'Material', 'Color', 'Proveedor', 'Estado', 'STOCK', and 'Stock (kg)'. A dropdown menu for 'Estado' is open, showing 'Borrador', 'Confirmado' (highlighted), and 'Cancelado'. A dropdown menu for 'STOCK' is also open, showing 'Stock (kg)', 'Stock mínimo (kg)', and 'Bajo stock' (unchecked).