

## 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')

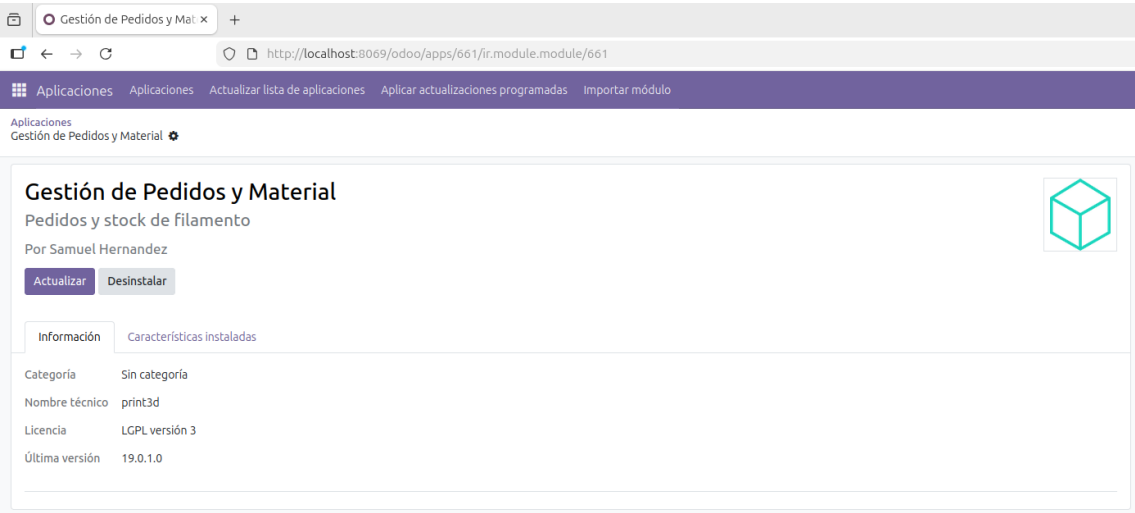
    @api.depends('stock_kg', 'stock_minimo_kg')
    def _compute_bajo_stock(self):
        for rec in self:
            rec.bajo_stock = rec.stock_kg < rec.stock_minimo_kg
```

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



He actualizado la aplicación y aparece todo correctamente

VISTA DE LOS CAMBIOS

