CÓDIGOS EDITADOS

__manifest__.py

```python
# -*- coding: utf-8 -*-
{
    'name': "subscription",

    'summary': 'Gestión de suscripciones',

    'description': 'En esta primera práctica sobre vistas practicaremos con
las principales opciones que tiene la vista de tipo lista para personalizar
los datos que se muestran al usuario',

    'author': "My Company",
    'website': "https://www.yourcompany.com",

    # Categories can be used to filter modules in modules listing
    # Check
https://github.com/odoo/odoo/blob/16.0/odoo/addons/base/data/ir_module_categor
y_data.xml
    # for the full list
    'category': 'Uncategorized',
    'version': '0.1',

    # any module necessary for this one to work correctly
    'depends': ['base'],

    # always loaded
    'data': [
        'security/ir.model.access.csv',
        'views/views_basico.xml',
        'views/views_uso.xml',
        'views/menus.xml',
    ],
    # only loaded in demonstration mode
    'demo': [
        'demo/demo.xml',
    ],
}
```

ir.model.access.csv

id,name,model_id:id,group_id:id,perm_read,perm_write,perm_create,perm_unlink

access_subscription_user,access_subscription_user,model_subscription_subscription,base.group_user,1,1,1,1

"""""""

models.py

```python
import datetime
from odoo import models, fields, api


class subscription(models.Model):
    _name = 'subscription.subscription'
    _description = 'subscription.subscription'
    _sql_constraints = [ ('unique_name', 'unique(name)', 'El nombre debe ser
único'),]

    name = fields.Char(string='Suscripción', required = True)
    customer_id = fields.Many2one(
        'res.partner',
        string='Cliente',
        required = True
    )

    subscription_code = fields.Char(string='Identificador', required = True)
    start_date = fields.Date(string='Fecha de inicio', required = True)
    end_date = fields.Date(string='Fecha de finalización', required = True)
    duration_months = fields.Integer(
        string='Meses de suscripción', compute='_compute_months'
    )
    renewal_date = fields.Date(string='Fecha de renovación automática')
    status = fields.Selection(
        string='Estado de la suscripción',
        selection=[('active', 'Activo'), ('expired', 'Expirado'), ('pending',
'Pendiente'), ('cancelled', 'Cancelada')]
    )
    is_renewable = fields.Boolean(
        string='Suscripción automática'
    )
    auto_renewal = fields.Boolean(
        string='Autorenovación'
    )

    price = fields.Integer(string = "Precio de la suscripción")
    usage_limit = fields.Integer(string = "Número máximo de usos")
```

```python
    current_usage = fields.Integer(string = "Cantidad de usos utilizados")
    use_percent = fields.Float(string=' Porcentaje de servicios utilizados',
compute='_compute_use')


    #Cálculos

    @api.depends('end_date', 'start_date')
    def _compute_months(self):
        for record in self:
            if record.start_date and record.end_date:
                delta = record.end_date - record.start_date
                record.duration_months = delta.days // 30
            else:
                record.duration_months = 0

    @api.depends('usage_limit', 'current_usage')
    def _compute_use(self):
        for record in self:
            if record.usage_limit > 0:
                record.use_percent  = (record.current_usage * 100) /
record.usage_limit
            else:
                record.use_percent  = 0

    def ampliar_dias(self):
        for record  in self:
            record.end_date = record.end_date + datetime.timedelta(days=15)
```

menus.xml

```xml
<odoo>

    <!-- Menú raíz -->
    <menuitem name="Suscripciones"
              id="subscription.menu_root"/>

    <!-- Menús que abren directamente las vistas -->
    <menuitem name="Suscripciones básico"
              id="subscription.menu_basic"
              parent="subscription.menu_root"
              action="action_subscription_basic"/>

    <menuitem name="Suscripciones uso"
              id="subscription.menu_uso"
```

```
                parent="subscription.menu_root"
                action="action_subscription_uso"/>

</odoo>
```

views_basico.xml

```
<odoo>
<record id="view_subscription_tree_basic" model="ir.ui.view">
    <field name="name">subscription.tree.basic</field>
    <field name="model">subscription.subscription</field>
    <field name="arch" type="xml">
        <tree
            decoration-danger="status == 'expired'"
            decoration-warning="status == 'cancelled'"
            limit="15">

            <field name="name" string="Suscripción"/>
            <field name="customer_id" string="Cliente"/>
            <field name="subscription_code" string="Código"/>
            <field name="start_date" string="Fecha de inicio"/>
            <field name="end_date" string="Finaliza en"
widget="remaining_days"/>
            <button name = "ampliar_dias" type = "object" string = "Aplicar 15
días" class= "btn-primary" icon="fa-gift"/>
            <field name="duration_months" string="Meses"/>
            <field name="renewal_date" string="Renovación"/>
            <field name="status" string="Estado" widget="radio"/>
            <field name="is_renewable" string="Renovable"/>
            <field name="auto_renewal" string="Autorenovación"/>
            <field name="price"
                    string="Precio"
                    attrs="{'invisible': [('status', '=', 'cancelled')]}"/>

        </tree>
    </field>
</record>
    <!-- actions opening views on models -->

  <record id="action_subscription_basic" model="ir.actions.act_window">
    <field name="name">Suscripciones (Básico)</field>
    <field name="res_model">subscription.subscription</field>
    <field name="view_mode">tree,form</field>
    <field name="view_id" ref="view_subscription_tree_basic"/>
</record>
</odoo>
```

views_uso.xml

```xml
<odoo>

    <record id="view_subscription_tree_uso" model="ir.ui.view">
        <field name="name">subscription.tree.usage</field>
        <field name="model">subscription.subscription</field>
        <field name="arch" type="xml">
            <tree limit="15">

                <field name="name" string="Suscripción"/>

                <field name="usage_limit"
                        string="Límite de uso"/>

                <field name="current_usage"
                        string="Uso actual"/>

                <field name="use_percent"
                         string="Uso (%)"
                         widget="progressbar"
                         decoration-danger="use_percent &gt; 80"/>
            </tree>
        </field>
    </record>


    <!-- actions opening views on models -->

   <record id="action_subscription_uso" model="ir.actions.act_window">
    <field name="name">Suscripciones (Uso)</field>
    <field name="res_model">subscription.subscription</field>
    <field name="view_mode">tree,form</field>
    <field name="view_id" ref="view_subscription_tree_uso"/>
</record>
</odoo>
```