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**pS<sub>t</sub>rēe**  
***Release***

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*ps\_tree* is extension for `pyramid_sacrud` which displays a list of records as tree. This works fine with models from `sqlalchemy_mptt`.

Look how easy it is to use:

Listing 0.1: Create model

```
from pyramid_pages.models import BaseSacrudMpttPage

Base = declarative_base()
DBSession = scoped_session(sessionmaker(extension=ZopeTransactionExtension()))

class PageTree(Base, BaseSacrudMpttPage):
    __tablename__ = 'pages'

    id = Column(Integer, primary_key=True)
```

Listing 0.2: Settings for pyramid app

```
config.include('ps_tree')
config.registry.settings['ps_tree.models'] = (PageTree, )
config.include('pyramid_sacrud', route_prefix='admin')
config.registry.settings['pyramid_sacrud.models'] = ('', PageTree)
```

Usage:



## Installing

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### 1.1 GitHub

```
pip install git+http://github.com/ITCase/ps_tree.git
```

### 1.2 PyPi

```
pip install ps_tree
```

### 1.3 Source

```
git clone git+http://github.com/ITCase/ps_tree.git  
python setup.py install
```

### 1.4 Contribute

```
git clone git+http://github.com/ITCase/ps_tree.git  
python setup.py develop
```



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## Settings

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For create models with tree structure use mixin from the `sqlalchemy_mptt.mixins.BaseNestedSets`.

### 2.1 initialize

```
config.include('ps_tree')
config.registry.settings['ps_tree.models'] = (PageTree, )

config.include('pyramid_sacrud', route_prefix='admin')
config.registry.settings['pyramid_sacrud.models'] = ('', PageTree)
```

### 2.2 context menu

Soon ...

### 2.3 template

You can redefine template of tree in `youproject/templates/ps_tree/tree.jinja2`.

Listing 2.1: Default template `tree.jinja2`

```
{% extends "/sacrud/list.jinja2" %}

{% block body %}
    <div class="widget widget_type_single">
        <div class="widget-title">
            {{ _(table.verbose_name or table.__tablename__) }}
        </div>
        <form id="sacrud-form" class="sacrud-grid-content__left-inner" method="post"
              action="{{ request.route_url(PYRAMID_SACRUD_MASS_ACTION,
                                           table=table.__tablename__) }}>
            {% include 'ps_tree/toolbar.jinja2' %}
            <div class="widget-content">
                <div class="widget-panel clear-fix">
                    <label class="widget-panel__item" for="SelectAll">
                        <input class="widget-panel__item-checkbox" id="SelectAll" type="checkbox" />
                        <span class="widget-panel__item-text">Select all</span>
                    </label>
                    <input class="selected-action" type="hidden" value="0" name="selected_action" />
                </div>
                <div id="tree" class="jq-tree"></div>
            </div>
            {% include 'ps_tree/toolbar.jinja2' %}
        </form>
    </div>
    <ul class="jqtree-menu" id="treeContextMenu">
        <li class="jqtree-menu__item">
            <a href="#delete" class="jqtree-menu__item-link">{{ _ps('Delete') }}</a>
        </li>
    </ul>
{% endblock %}

{% block extra_css %}
    {{ super() }}
    <link href="{{ request.static_url('ps_tree:static/css/__ps_tree.css') }}" rel="stylesheet" type="text/css"/>
{% endblock %}

{% block extra_js %}
    {{ super() }}
    <script type="text/javascript">
        var DATA_URL = '{{ request.route_url('ps_tree_get_tree', tablename=table.__tablename__) }}';
        var MOVE_URL = '/ps_tree/{{ table.__tablename__ }}/move/';
    </script>
    <script src="{{ request.static_url('ps_tree:static/js/__ps_tree.js') }}"/></script>
    <script src="{{ request.static_url('ps_tree:static/js/vendor/tree.jquery.js') }}"/></script>
    <script src="{{ request.static_url('ps_tree:static/js/jqTreeContextMenu.js') }}"/></script>
{% endblock %}
```

### API

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Show pyramid\_sacrud records as tree.

```
ps_tree.includeme(config)
ps_tree.models_preparing(app)
```

### 3.1 Views

```
ps_tree.views.get_model(settings, tablename)
ps_tree.views.get_tree(request)
ps_tree.views.page_move(request)
```



### Indices and tables

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