Havaiana Documentation

Release 2.6.0

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Contents

Havaiana is a dynamic web interface for Ojota (http://ojota.rtfd.org).

Havaiana is Free Software! you can check the code at http://github.com/felipelerena/havaiana

CHAPTER 1

How to use it

1.1 Hello World

```
import ojota.examples.examples as pkg
from havaiana import Site

site = Site(pkg)
site.serve()
```

1.2 Custom rendering for a field

```
import food_data

from havaiana import Site

def ingredients_list(field, item, backwards):
    required = field in item.required_fields
    ingredients = getattr(item, field)
    items = []
    for element in ingredients:
        item = '<li><a href="/Ingredients/%s">%s</a></li>' % (element.primary_key,
                                                              element)
        items.append(item)
    value = "<ul>%s</ul>" %  "".join(items)
    related = False

    return (field, value, required, related)
if __name__ == "__main__":
    renderers = [('Recipe', 'ingredients', ingredients_list)]
    site = Site(food_data, "My Food Database", renderers)

    site.serve()
```

1.3 Adding a chart on a view

```
import food_data
```

```
from havaiana import Site
from havaiana.charts import LineChart

class RainChartView(LineChart):
    def __init__(self):
        LineChart.__init__(self, "Recipes uploaded to the site",
                           "uploads", 800, 400)

    def get_data(self, data):
        keys = []
        points = []
        for element in data:
            keys.append(element.date)
            points.append({"value": int(element.number),
                           "xlink": "/Recipes uploaded by day/%s" % element.date})
        return keys, points

if __name__ == "__main__":
    renderers = [
        ('RecipesByDay', "__index_chart", RainChartView)
    ]

    site = Site(food_data, "My Food Database", renderers)
    site.serve()
```

CHAPTER 2

Screenshots

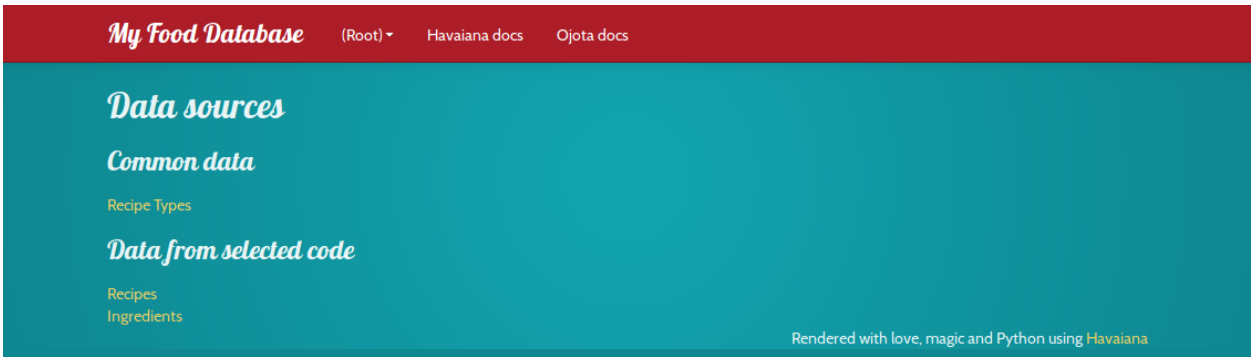

Fig. 2.1: *All the data sources in the package.*

Fig. 2.2: *The items in the data source.*

```
sudo easy_install Havaiana
```

With pip

```
sudo pip install Havaiana
```

From source

Fig. 2.3: *An item detail.*

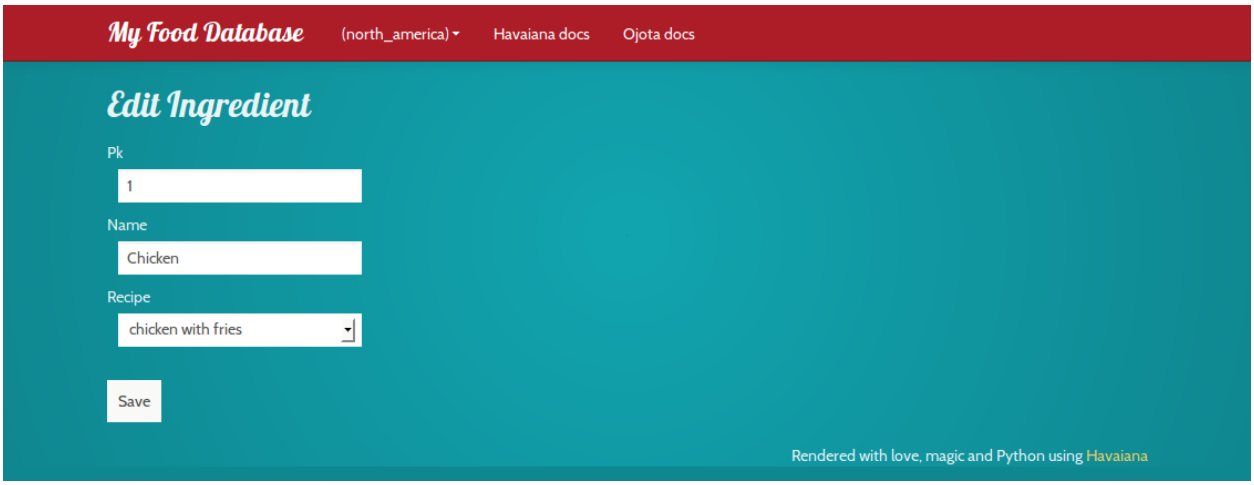

Fig. 2.4: *Edit an existing element.*

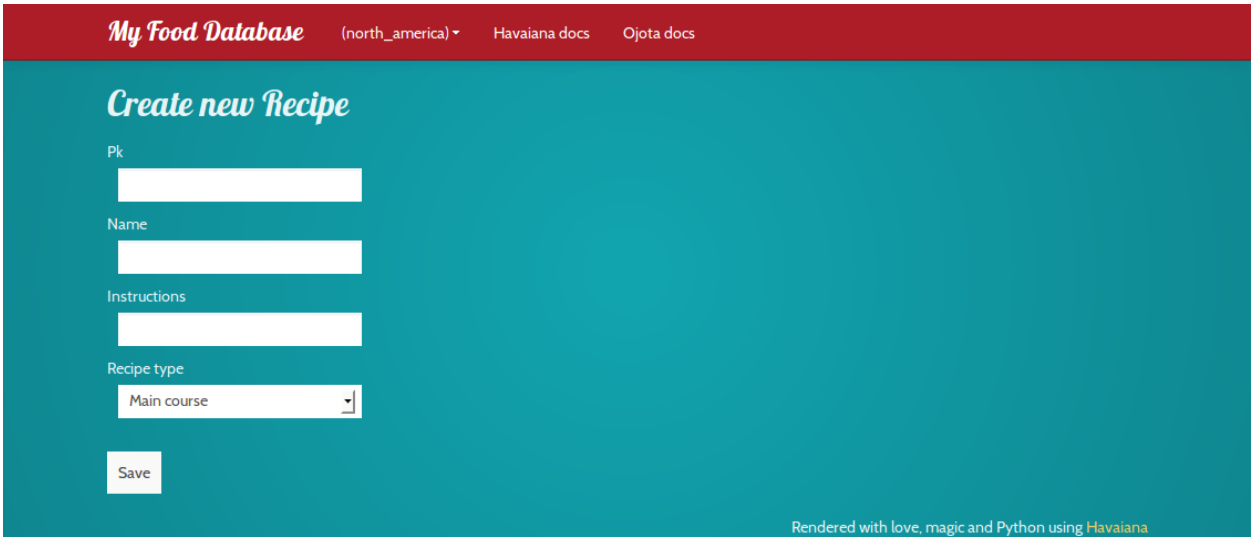

Fig. 2.5: *Create new element.*

Fig. 2.6: *A view with custom rendering.*

Fig. 2.7: *You can sort the data.*

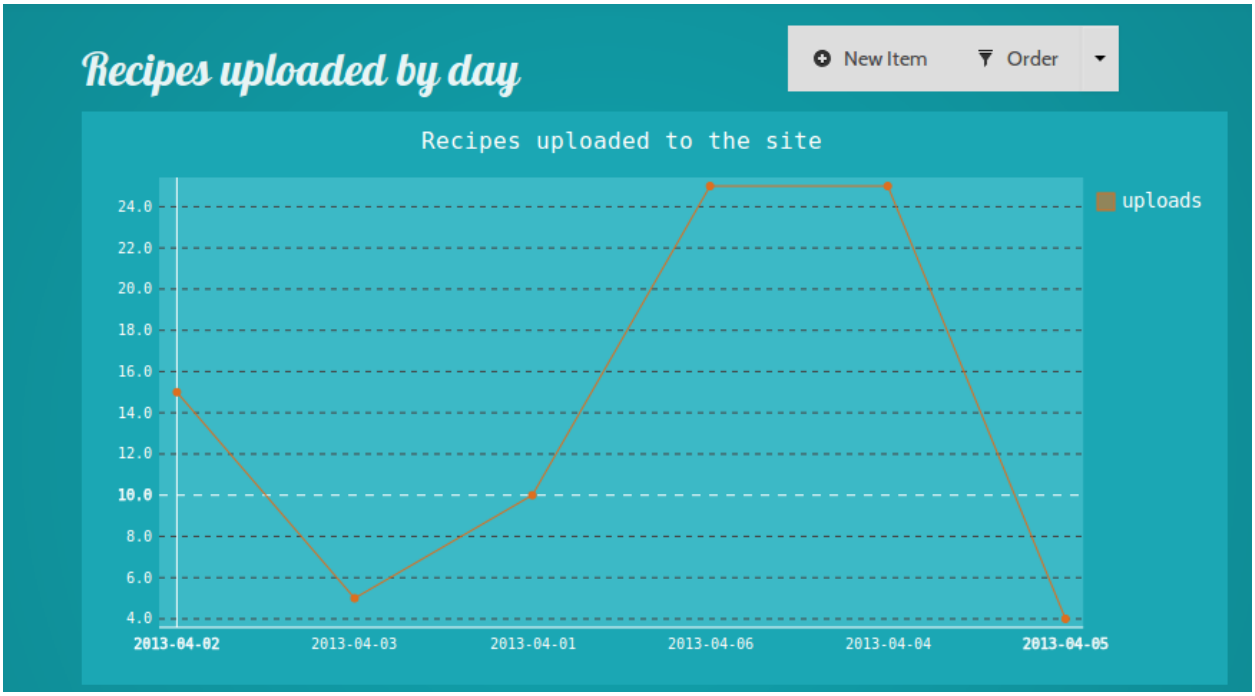

Fig. 2.8: *Render charts with your data*

Installation

```
git clone git@github.com:felipelerena/havaiana.git
sudo python setup.py install
```

CHAPTER 3

Table of contents

3.1 Example

```
"""
This file is part of Havaiana.

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    the Free Software Foundation, either version 3 of the License, or
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    along with Havaiana.  If not, see <http://www.gnu.org/licenses/>.
"""
from __future__ import absolute_import

from .__init__ import Site

import ojota.examples.examples as pkg

if __name__ == '__main__':
    site = Site(pkg)
    site.serve()
```

CHAPTER 4

Dependencies

- flask
- Ojota
- wtforms
- pygal

CHAPTER 5

Indices and tables

- genindex
- modindex
- search