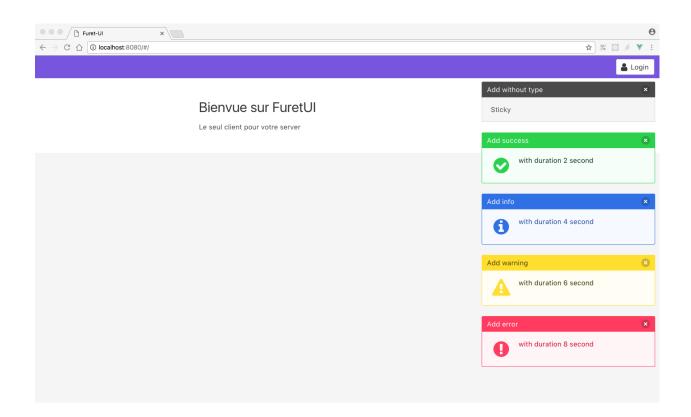
FuretUI Documentation

Release 1.1.0

Jean-Sébastien Suzanne

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CHAPTER 1

Front Matter

Information about the FuretUI project.

Project Homepage

FuretUI is hosted on github - the main project page is at http://github.com/AnyBlok/furet_ui. Source code is tracked here using GIT.

The most recent published version of this documentation should be at http://furet-ui.readthedocs.io/en/latest/index. html.

Project Status

FuretUI is currently in development status and is expected to be fairly stable. Users should take care to report bugs and missing features on an as-needed basis. It should be expected that the development version may be required for proper implementation of recently repaired issues in between releases; the latest master is always available at https://github.com/AnyBlok/furet_ui/archive/master.zip.

Installation

Install latest versions of FuretUI from github (need **npm**):

```
git clone https://github.com/AnyBlok/furet_ui.git
cd furet_ui
npm install
npm run build-prod
```

..warning:

```
``build-prod`` return a minimify build
```

Unit Test

Run the test with npm:

```
npm run test
```

AnyBlok is tested using Travis

Run the mock server fron the project:

```
npm run build
virtualenv develop
source develop/bin/activate
pip install -r requirement.txt
python server.py
```

Contributing (hackers needed!)

FuretUI is at a very early stage, feel free to fork, talk with core dev, and spread the word!

Author

Jean-Sébastien Suzanne

Contributors

Anybox team:

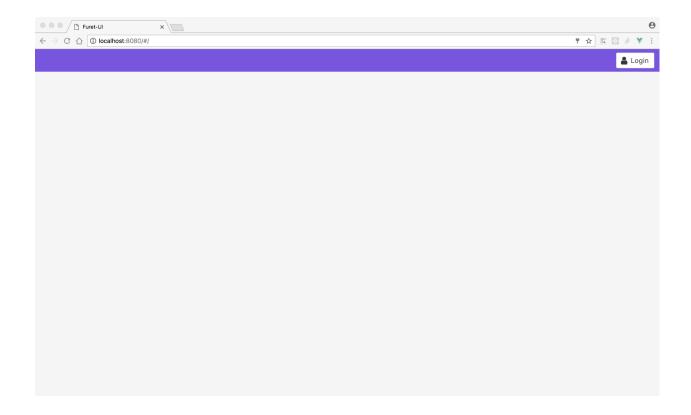
- Jean-Sébastien Suzanne
- Simon ANDRÉ

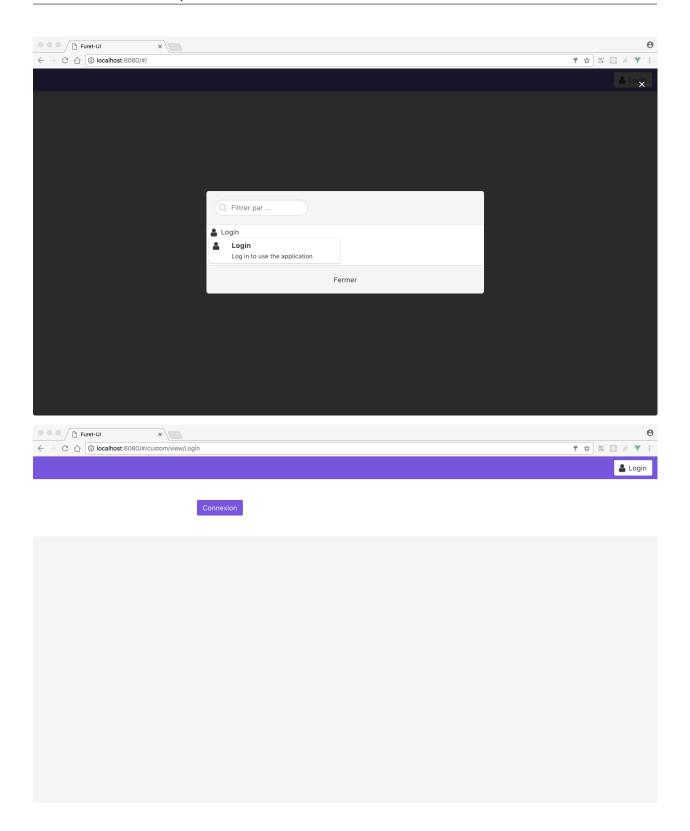
Bugs

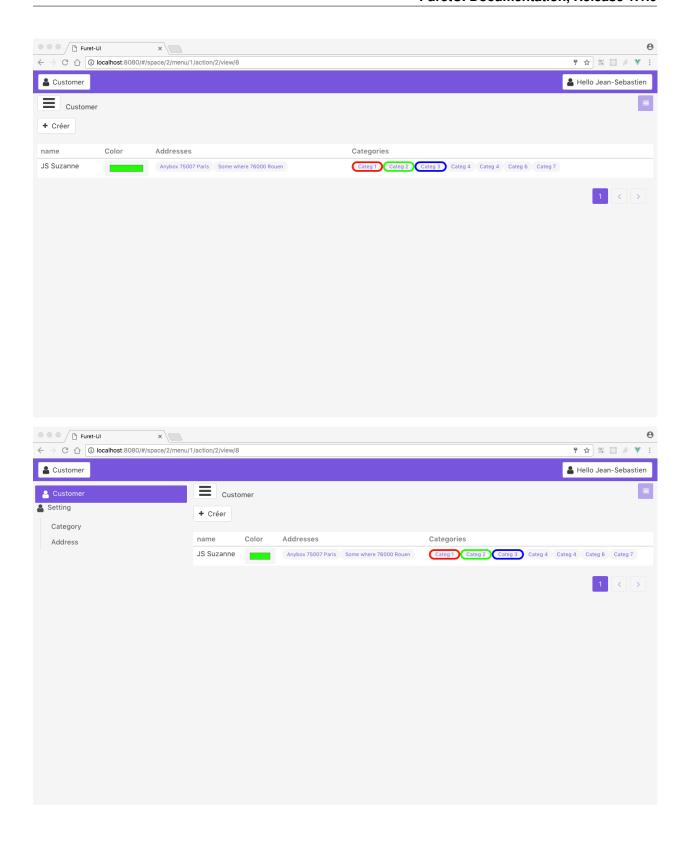
Bugs and feature enhancements to FuretUI should be reported on the Issue tracker.

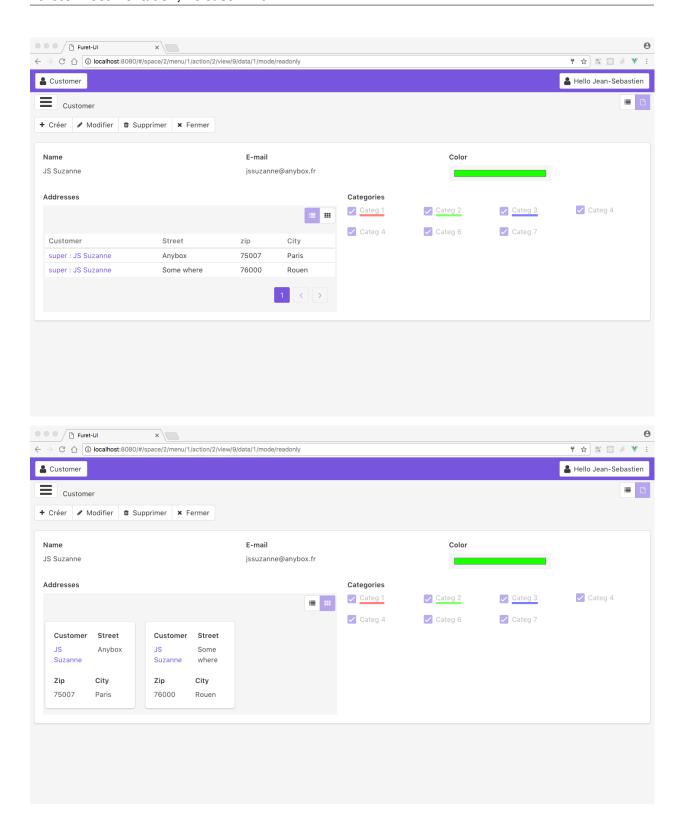
CHAPTER 2

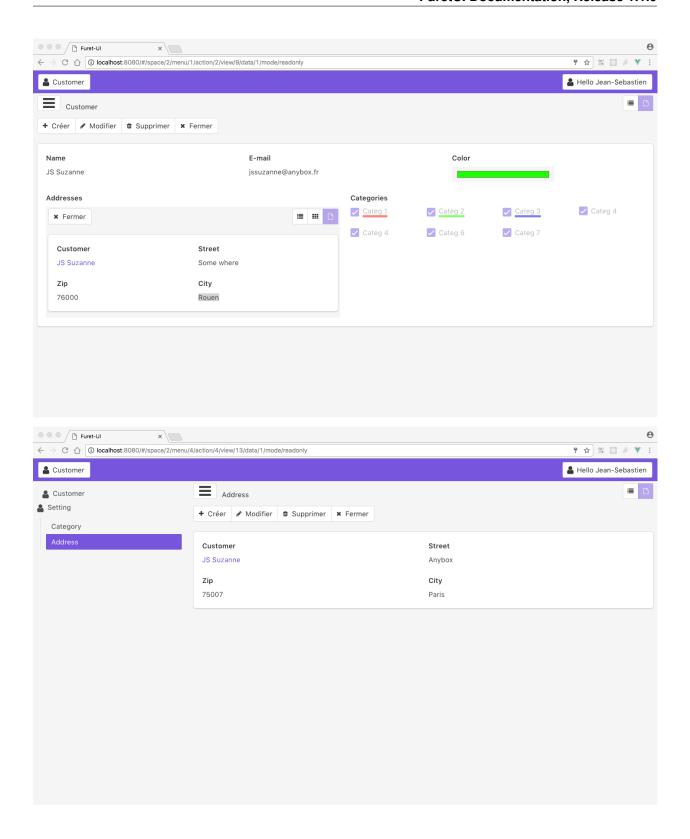
Some picture

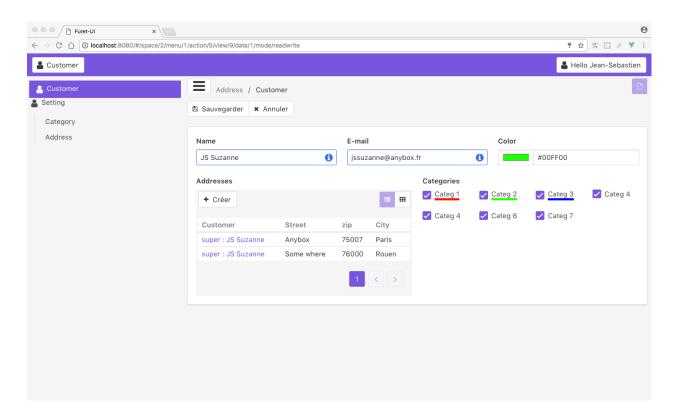












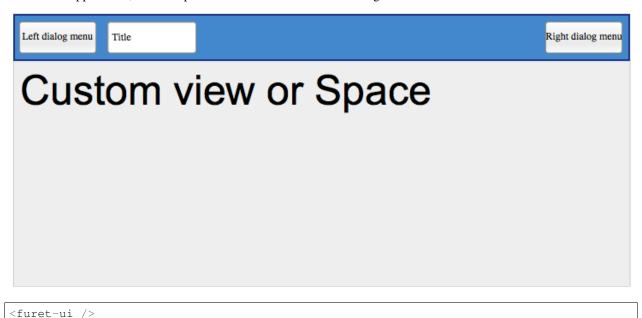


CHAPTER 3

API

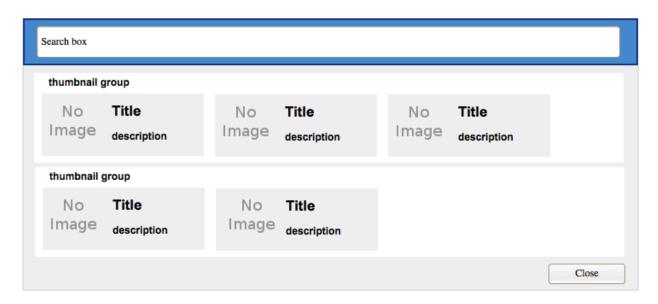
APP

Render the application, need the providers for theme and redux storage



Right and Left Menu

It is a Modal menu. It is a thumbnail render, the thumbnail can be filtered by a searchBox



```
<furet-ui-appbar-left-menu />
<furet-ui-appbar-right-menu />
```

Space

A space is an environnement for a specific behavior. Each space can defined menus, actions, views

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```
<furet-ui-space
    v-bind:spaceId="..."
    v-bind:menuId="..."
    v-bind:actionId="..."
    v-bind:viewId="..."
/>
```

Picture

Render a picture, the picture can be come from:

• font-icon: font-awesome class

```
<furet-ui-picture type="font-icon" value="fa-user" />
```

Views

List the type of view available for the server.

The view type can be:

• standard: List, Form, Thumbnail

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• custom: Login, Logout

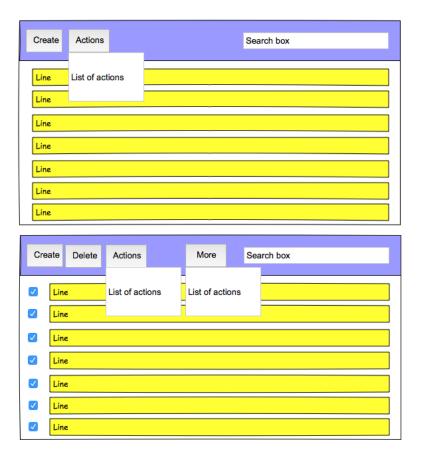
All the view are present in the plugin system of FuretUI.

Unknown

Replace the wanted view if no view are available

List

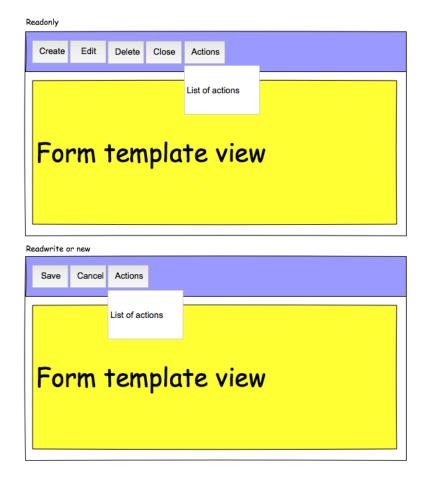
Render a list of data



Form

Render a react template, the template come from serveur and stock in the redux store

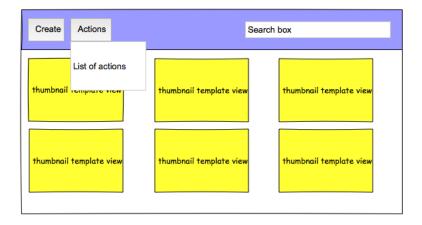
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Thumbnail

Render a react template, the template come from serveur and stock in the redux store

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Field

Each field must be defined by views type.

Simple

The list are:

- Boolean
- Color
- Date
- DateTime
- Float
- Integer
- File
- JSON
- Mail

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- · Password
- RichText
- Selection
- String
- Text
- Time
- URL

Relation ship

Relation ship are particular field which link two model.

The list are:

- Many2One
- · Many2Many
 - List,
 - Thumbnail
 - Form
 - * checkbox
 - * tags
- One2Many

Plugin

It is not a composent, it allow to save some function / object / class. This function / object / class are used and can be overwrite easily to change the behavior.

```
import plugin from './plugin';
const func = (props) => {...}
plugin(['path', 'to', 'save', 'in', 'plugin'], {Hello: func});
plugin.get(['path', 'to', 'save', 'in', 'plugin', 'Hello']);
```

```
Contents

• Store and Flow

- client

* UPDATE_CLIENT

* CLEAR_CLIENT

- leftmenu, rightmenu
```

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- * CLEAR_LEFT_MENU, CLEAR_RIGHT_MENU
- global
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 - * ADD_IN_BREADSCRUMB
 - $*\ REMOVE_FROM_BREADSCRUMB$
 - $*\ CLEAR_BREADSCRUMB$
 - * ADD_NOTIFICATION (mutation)
 - * ADD_NOTIFICATION (action)
 - * REMOVE_NOTIFICATION
- data
 - * UPDATE_ACTION
 - * UPDATE_VIEW
 - * UPDATE_DATA
 - * DELETE_DATA
 - * UPDATE_CHANGE
 - * REPLACE_CHANGE
 - * CLEAR_CHANGE
 - * CREATE_CHANGE_X2M
 - $*\ UPDATE_CHANGE_X2M$
 - $*\ UPDATE_CHANGE_X2M_DELETE$
 - * UPDATE_SPACE
 - * CLEAR_DATA
- View definition for store
 - * List
 - * Thumbnail
 - * Form

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CHAPTER 4

Store and Flow

client

Add any information about a custom client:

```
store.state.client: {
    ``custom view name``: {
      ``params of the custum view``,
    },
    ...
}
```

UPDATE_CLIENT

Add params for a custom view:

```
type: 'UPDATE_VIEW_CLIENT',
  viewName: ``custom view name``,
  ``params ...``,
}
```

CLEAR_CLIENT

Clear all the params:

```
{
    type: 'CLEAR_CLIENT'
}
```

leftmenu, rightmenu

It is the same for the both. The define dialog menu:

```
store.state.[ leftmenu | rightmenu ] = {
    value: {
        label: ``label of the selected menu``,
        image: {
           type: [ font-icon ],
           value: ``value in function of type to display the image``,
       },
   },
   values: [
        {
            label: ``label of the selected menu``,
            description: ``Description of the menu``,
            image: {
                type: [ font-icon ],
                value: ``value in function of type to display the image``,
            type: [ SPACE | CLIENT ]
            id: ``space id or custom view name in function of type value``
       },
   ],
```

UPDATE LEFT MENU, UPDATE RIGHT MENU

Update the menu definition or selected menu:

```
type: [ UPDATE_LEFT_MENU | UPDATE_RIGHT_MENU ],
    label: ``label of the selected menu``,
    image: {
        type: [ font-icon ],
        value: ``value in function of type to display the image``,
    },
},
values: [
    {
        label: ``label of the selected menu``,
        description: ``Description of the menu``,
        image: {
            type: [ font-icon ],
            value: ``value in function of type to display the image``,
        type: [ SPACE | CLIENT ]
        id: ``space id or custom view name in function of type value``
    },
],
```

Note: value and values is not required

CLEAR_LEFT_MENU, CLEAR_RIGHT_MENU

Clear the menu:

```
{
    type: [ CLEAR_LEFT_MENU | CLEAR_RIGHT_MENU ]
}
```

global

Define the context of the application:

UPDATE_GLOBAL

Update the global values:

```
{
   type: 'UPDATE_GLOBAL',
   ``params``,
}
```

Warning: Used for title or modal_custom_view.

CLEAR_GLOBAL

Clear all the parameter in global:

```
{
   type: 'CLEAR_GLOBAL',
}
```

ADD_IN_BREADSCRUMB

Add new entry at the end of the breadcrumb:

4.3. global 21

```
type: 'ADD_IN_BREADSCRUMB',
  path: ``the path to save``,
  label: ``the label to display``,
  changes: ``the state data changes to save``,
}
```

REMOVE_FROM_BREADSCRUMB

Remove the breadcrumb entries if the position is higther than the wanted position:

```
{
   type: 'REMOVE_FROM_BREADSCRUMB',
   position: ``the position to delete``
}
```

CLEAR BREADSCRUMB

Clear all the breadcrumb entries:

```
{
   type: 'CLEAR_BREADSCRUMB',
}
```

ADD_NOTIFICATION (mutation)

Add new notification in the notification stack:

Warning: If you need duration, you must use the action not the mutation

ADD_NOTIFICATION (action)

Add new notification in the notification stack:

```
type: 'ADD_NOTIFICATION',
process: 'dispatch',
id: ``unique id``
```

REMOVE NOTIFICATION

Remove from notifications stack the notification id:

```
type: 'REMOVE_NOTIFICATION',
id: ``id of the notification``,
}
```

data

Save all the data for furet_ui:

```
store.state.data = {
   actions: {
        ``action id``: {
            label: ``Label of the action``,
            views: [
                {
                    viewId: ``view id``,
                    type: ``type of view``,
                },
            ],
        },
        . . .
   },
   views: {
        ``view's id``: {
          model: ``model's name``,
            ``view params which depend of the type of the view``
       },
   },
   data: {
        ``Model name``: {
           ``data id``: {
                ``data``,
            },
            . . .
        },
   },
    changes: {
       new: {
            ``Model name``: {
```

4.4. data 23

the left and right menu definition is the same:

UPDATE ACTION

Add action definition:

UPDATE_VIEW

Update the data of one view:

```
type: 'UPDATE_VIEW',
  viewId: ``view id``,
  model: ``model name``,
  ``params of the view``,
}
```

UPDATE_DATA

Update the data:

```
type: 'UPDATE_DATA',
model: ``Model name``,
data: {
    ``data id``: {
        ``params``,
     },
     ...
},
```

DELETE_DATA

Delete some data:

UPDATE_CHANGE

Modify current change:

```
type: 'UPDATE_CHANGE',
model: ``Model name``,
dataId: ``data id``,
fieldname: ``name of the field``,
value: ``new value to save``,
}
```

4.4. data 25

REPLACE CHANGE

replace the change by another:

```
{
   type: 'REPLACE_CHANGE',
   changes: ``object``,
}
```

CLEAR_CHANGE

replace the change by another:

```
{
   type: 'CLEAR_CHANGE',
}
```

CREATE_CHANGE_X2M

Add new change in the new entry, use by One2Many and Many2Many:

```
type: 'CREATE_CHANGE_X2M',
model: ``model name``,
dataId: ``id of the data to create``
}
```

UPDATE CHANGE X2M

Modify current change in new if exist or in the normal place:

```
type: 'UPDATE_CHANGE_X2M',
  model: ``Model name``,
  dataId: ``data id``,
  fieldname: ``name of the field``,
  value: ``new value to save``,
}
```

UPDATE_CHANGE_X2M_DELETE

Remove the change in the new entry if exist else add the 'DELETED' in the nomal place for the model and the dataIds:

UPDATE SPACE

Update the space data:

```
{
    type: 'UPDATE_SPACE',
    spaceId: ``
    left_menu: [
        ``menu params``,
        ...
    ],
    right_menu: [
        ``menu params``,
        ...
    ],
    ],
}
```

CLEAR DATA

Clear all the data:

```
{
   type: 'CLEAR_DATA'
}
```

View definition for store

Note: the params are different for each view type

List

```
label: ``label of the view``,
model: ``model name``,
creatable: ``true display the create button``,
deletable: ``true display the delete button``,
selectable: ``true display the check box``,
onSelect: ``view id to use if the line is clicked``,
empty: ``html template displayed when no data``,
headers: [
   {
       name: ``column name``,
       label: ``Label of the column``,
       component: ``the vue component name``
       sortable: ``true: the column is sortable``
       numeric: ``true the value is a numeric``
       invisible: ``condition to determinate if the field is displayed or not``
   },
],
search: [
```

```
key: ``key used by the server to filter the data``,
        label: ``Label display of the key``,
        type: ``what ever if you need to split the filter``,
        operator: ``what ever if you want define this``,
        value: ``the value``,
    },
    . . .
],
buttons: [
       label: ``Label of the button``,
       buttonId: ``id of the button`
   . . .
],
onSelect_buttons: [
       label: ``Label of the button``,
       buttonId: ``id of the button``,
   },
],
fields: [
   ``column name``,
],
```

Thumbnail

```
label: ``label of the view``,
model: ``model name``,
creatable: ``true display the create button``,
deletable: ``true display the delete button``
onSelect: ``view id to use if the line is clicked``,
border_fieldcolor: ``color to display can be hard coded or come from a field or eval_
⇒some condition``
background_fieldcolor: ``color to display can be hard coded or come from a field or_
→eval some condition``
search: [
       key: ``key used by the server to filter the data``,
       label: ``Label display of the key``,
       type: ``what ever if you need to split the filter``,
       operator: ``what ever if you want define this``,
       value: ``the value``,
   },
template: ``template definition``,
buttons: [
       label: ``Label of the button``,
       buttonId: ``id of the button``,
   },
```

```
l,
fields: [
   ``column name``,
   ...
],
```

Note: For the template see the template page *Template*

Form

Note: For the template see the template page *Template*

- Client / Server Api
 - /furetui/init/required/data
 - /furetui/init/optionnal/data
 - /furetui/homepage
 - /furetui/button/<buttonId>
 - /furetui/custom/view/<viewName>
 - /furetui/view/<viewId>
 - /furetui/space/<spaceId>
 - /furetui/action/<actionId>
 - /furetui/field/x2x/search
 - /furetui/list/x2m/get

- /furetui/field/x2m/get/views
- /furetui/data/create
- /furetui/data/read
- /furetui/data/read/<dataId>
- /furetui/data/update
- /furetui/data/delete
- /furetui/data/call
- Default route for login and logout
 - * /furetui/client/login
 - * /furetui/client/logout

CHAPTER 5

Client / Server Api

All the route use the **POST** method and the **JSON** rendering. They must all return list of store mutation. See the store page:

```
[
    ``store mutation``
    OR / AND
    ``translation definition``
    OR / AND
    ``locale``
    OR / AND
    ``client path for vue-router``
]
```

/furetui/init/required/data

First query called by FuretUI. The goal of this query is to initialize the client:

Warning: Return quick data, allow to display quickly the UI

/furetui/init/optionnal/data

Second call. The goal is to load heavy data to improve the client and allow a degradate mode

Note: The query can be slower than required data because the main data is already present and this application may be usable.

/furetui/homepage

Called, when the router path is /

/furetui/button/<buttonId>

Called, when the button is clicked with params in body:

- viewId
- model
- dataIds
- options

/furetui/custom/view/<viewName>

Called when the custom view is called, is not required to respond to this query

/furetui/view/<viewId>

Called when the view have been selected or changed.

/furetui/space/<spaceId>

Called when the view space been selected or changed. optionnal values in body:

- spaceId
- menuId
- actionId
- viewId
- · dataId
- mode

/furetui/action/<actionId>

Called when the view action been selected or changed. optionnal values in body:

- spaceId
- menuId

- · actionId
- viewId
- dataId
- mode

/furetui/field/x2x/search

Call to by Many2One and Many2ManyTags to search the remote value the value in body are:

- model
- · value
- · fields

```
Warning: the wanted result is not a classical response
{
    ids: [ data id, ...
    ], data: [
        store mutation, OR/AND
        translation definition OR/AND
        locale OR/AND
        client path for vue-router
    ],
}
```

/furetui/list/x2m/get

Call to by One2Many and Many2Many to get children values the value in body are:

- model
- · viewId
- · dataIds

/furetui/field/x2m/get/views

Call to by One2Many and Many2Many to get the children views the value in body:

· viewIds

/furetui/data/create

Call to save an unexisting data

the value in body are:

- model
- data
- changes: all the change not only for this data
- fields
- path: optionnal
 - spaceId
 - menuId
 - actionId
 - viewId

Warning: Don't forget to change path to pass in RO mode

/furetui/data/read

Call to read entries in function of filter

the value in body are:

- model
- · viewId
- filter
- · fields

/furetui/data/read/<dataId>

Call to read only one entry

the value in body are:

- model
- · viewId
- new
- · fields

/furetui/data/update

Call to save an existing data

the value in body are:

- model
- dataId
- data
- changes: all the change not only for this data
- · fields
- path: optionnal
 - spaceId
 - menuId
 - actionId
 - viewId

Warning: Don't forget to change path to use the good dataId and RO mode

/furetui/data/delete

Call to remove an existing data

the value in body are:

- model
- dataIds

Warning: Don't forget to call the mutation to remove the dataIds alse on furetui client

/furetui/data/call

Call to remove an existing data

the value in body are:

- model
- · search
- value

Warning: It is not a classical response, the goal it to define the available filter for search view

Default route for login and logout

The view can be overwriting this route can be deprecated.

/furetui/client/login

Call when the FuretUI user click on the connection button. The server may check the identity of the user and this access rigth. The server:

/furetui/client/logout

Call when the FuretUI user click on the Logout thumbnail. The server may close the session of the user. The server:

Warning: Dont forget to remove all the data

Contents

• Template

CHAPTER 6

Template

The templates are used by Form and Thumbnail views, the template describe the view to display. The template come from the server and must apply some rules.

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- RELEASE
 - **-** 1.1.0 (2017-07-22)
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CHAPTER 7

RELEASE

1.1.0 (2017-07-22)

- Fix some documentation
- Rename Text to RichText
- Add Field Text

1.0.0 (2017-07-22)

First release:

- Add some fields
- · Add some views
- · Add notifications
- Add vuejs, vuex, vue-i18n, vue-router
- Add Bulma, buefy

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Mozilla Public License Version 2.0

1. Definitions

1.1. "Contributor"

Means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

Means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

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