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Components

ft_html and ft_hx functions to add some conveniences to ft, along with a full set of basic HTML components, and functions to work with forms and FT conversion

```
from lxml import html as lx
from pprint import pprint
```

source show

```
show (ft, *rest)
```

Renders FT Components into HTML within a Jupyter notebook.

```
sentence = P(Strong("FastHTML is ", I("Fast")))
# When placed within the `show()` function, this will render
# the HTML in Jupyter notebooks.
show(sentence)
```

FastHTML is Fast

```
# Called without the `show()` function, the raw HTML is displayed
sentence
```

```
>
<strong>FastHTML is <i>Fast</i></strong>
```

attrmap_x

source

```
attrmap_x (o)
```

ft_html

source

```
ft_html (tag:str, *c, id=None, cls=None, title=None, style=None,
         attrmap=None, valmap=None, ft_cls=None, auto_id=None, **kwargs)
```

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ft hx source

```
ft_hx (tag:str, *c, target_id=None, hx_vals=None, id=None, cls=None,
    title=None, style=None, accesskey=None, contenteditable=None,
    dir=None, draggable=None, enterkeyhint=None, hidden=None,
    inert=None, inputmode=None, lang=None, popover=None,
    spellcheck=None, tabindex=None, translate=None, hx_get=None,
    hx_post=None, hx_put=None, hx_delete=None, hx_patch=None,
    hx_trigger=None, hx_target=None, hx_swap=None, hx_swap_oob=None,
    hx_include=None, hx_select=None, hx_select_oob=None,
    hx_indicator=None, hx_push_url=None, hx_confirm=None,
    hx_disable=None, hx_replace_url=None, hx_disabled_elt=None,
    hx_ext=None, hx_headers=None, hx_history=None,
    hx_history_elt=None, hx_inherit=None, hx_params=None,
    hx_preserve=None, hx_prompt=None, hx_request=None, hx_sync=None,
    hx_validate=None, **kwargs)
```

```
ft_html('a', _at_click_dot_away=1)

<a @click_dot_away="1"></a>

ft_html('a', **{'@click.away':1})

<a @click.away="1"></a>

ft_html('a', {'@click.away':1})

<a @click.away="1"></a>

ft_hx('a', hx_vals={'a':1})

<a hx-vals='{"a": 1}'></a>
```

File source

File (fname)

Use the unescaped text in file fname directly

For tags that have a name attribute, it will be set to the value of id if not provided explicitly:

```
Form(Button(target_id='foo', id='btn'),
    hx_post='/', target_id='tgt', id='frm')

<form hx-post="/" hx-target="#tgt" id="frm" name="frm"><button hx-target="#foo" id="k</pre>
```

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fill form source

```
fill_form (form:fastcore.xml.FT, obj)
```

Fills named items in form using attributes in obj

fill_dataclass

source

```
fill_dataclass (src, dest)
```

Modifies dataclass in-place and returns it

```
nt = TodoItem('', 0, False, '')
fill_dataclass(todo, nt)
nt

TodoItem(title='Profit', id=2, done=True, details='Details', opt='b')
```

find_inputs

source

```
find_inputs (e, tags='input', **kw)
```

Recursively find all elements in e with tags and attrs matching kw

```
inps = find_inputs(form, id='title')
test_eq(len(inps), 1)
inps

[input((),{'value': 'Profit', 'id': 'title', 'class': 'char', 'name': 'title'})]
```

You can also use lxml for more sophisticated searching:

```
elem = lx.fromstring(to_xml(form))
test_eq(elem.xpath("//input[@id='title']/@value"), ['Profit'])
```

getattr

source

```
__getattr__ (tag)
```

html2ft source

```
html2ft (html, attr1st=False)
```

Convert HTML to an ft expression

```
h = to_xml(form)
hl_md(html2ft(h), 'python')
```

```
Form(
    Fieldset(
        Input(value='Profit', id='title', name='title', cls='char'),
            Input(type='checkbox', name='done', data_foo='bar', checked='1', cls='che
            'Done',
            cls='px-2'
        ),
        Input(type='hidden', id='id', name='id', value='2'),
        Select(
            Option(value='a'),
            Option(value='b', selected='1'),
            name='opt'
        ),
        Textarea('Details', id='details', name='details'),
        Button('Save'),
        name='stuff'
    )
)
```

```
hl_md(html2ft(h, attr1st=True), 'python')
```

sse_message

```
sse_message (elm, event='message')
```

Convert element elm into a format suitable for SSE streaming

```
print(sse_message(Div(P('hi'), P('there'))))

event: message
data: <div>
data: hi
data: there
data: </div>
```

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