

msaJustPyUI Module

`.justpy.htmlcomponents`

Attributes

Abbr module-attribute

```
Abbr = None
```

Address module-attribute

```
Address = None
```

Animate module-attribute

```
Animate = None
```

AnimateMotion module-attribute

```
AnimateMotion = None
```

AnimateTransform module-attribute

```
AnimateTransform = None
```

Area module-attribute

```
Area = None
```

Article module-attribute

```
Article = None
```

Aside module-attribute

```
Aside = None
```

Audio module-attribute

```
Audio = None
```

B module-attribute

```
B = None
```

Bdi module-attribute

```
Bdi = None
```

Bdo module-attribute

```
Bdo = None
```

Blockquote module-attribute

```
Blockquote = None
```

Br module-attribute

```
Br = None
```

Button module-attribute

```
Button = None
```

Caption module-attribute

```
Caption = None
```

Circle module-attribute

```
Circle = None
```

Cite module-attribute

```
Cite = None
```

ClipPath module-attribute

```
ClipPath = None
```

Code module-attribute

```
Code = None
```

Col module-attribute

```
Col = None
```

Colgroup module-attribute

```
Colgroup = None
```

Data module-attribute

```
Data = None
```

Dd module-attribute

```
Dd = None
```

Defs module-attribute

Defs = None

Del module-attribute

Del = None

Desc module-attribute

Desc = None

Details module-attribute

Details = None

Dfn module-attribute

Dfn = None

Discard module-attribute

Discard = None

DI module-attribute

DI = None

Dt module-attribute

Dt = None

Ellipse module-attribute

Ellipse = None

Em module-attribute

Em = None

Embed module-attribute

Embed = None

FeBlend module-attribute

FeBlend = None

FeColorMatrix module-attribute

FeColorMatrix = None

FeComponentTransfer module-attribute

FeComponentTransfer = None

FeComposite module-attribute

FeComposite = None

FeConvolveMatrix module-attribute

FeConvolveMatrix = None

FeDiffuseLighting module-attribute

FeDiffuseLighting = None

FeDisplacementMap module-attribute

FeDisplacementMap = None

FeDistantLight module-attribute

```
FeDistantLight = None
```

FeDropShadow module-attribute

```
FeDropShadow = None
```

FeFlood module-attribute

```
FeFlood = None
```

FeFuncA module-attribute

```
FeFuncA = None
```

FeFuncB module-attribute

```
FeFuncB = None
```

FeFuncG module-attribute

```
FeFuncG = None
```

FeFuncR module-attribute

```
FeFuncR = None
```

FeGaussianBlur module-attribute

```
FeGaussianBlur = None
```

FeImage module-attribute

```
FeImage = None
```

FeMerge module-attribute

```
FeMerge = None
```

FeMergeNode module-attribute

```
FeMergeNode = None
```

FeMorphology module-attribute

```
FeMorphology = None
```

FeOffset module-attribute

```
FeOffset = None
```

FePointLight module-attribute

```
FePointLight = None
```

FeSpecularLighting module-attribute

```
FeSpecularLighting = None
```

FeSpotLight module-attribute

```
FeSpotLight = None
```

FeTile module-attribute

```
FeTile = None
```

FeTurbulence module-attribute

```
FeTurbulence = None
```

Fieldset module-attribute

```
Fieldset = None
```

Figcaption module-attribute

```
Figcaption = None
```

Figure module-attribute

```
Figure = None
```

Filter module-attribute

```
Filter = None
```

Footer module-attribute

```
Footer = None
```

ForeignObject module-attribute

```
ForeignObject = None
```

G module-attribute

```
G = None
```

H1 module-attribute

```
H1 = None
```

H2 module-attribute

```
H2 = None
```

H3 module-attribute

H3 = None

H4 module-attribute

H4 = None

H5 module-attribute

H5 = None

H6 module-attribute

H6 = None

Header module-attribute

Header = None

Hr module-attribute

Hr = None

I module-attribute

I = None

Iframe module-attribute

Iframe = None

Image module-attribute

Image = None

Img module-attribute

Img = None

Ins module-attribute

Ins = None

Kbd module-attribute

Kbd = None

Legend module-attribute

Legend = None

Li module-attribute

Li = None

Line module-attribute

Line = None

LinearGradient module-attribute

LinearGradient = None

Link module-attribute

Link = A

Main module-attribute

Main = None

Map module-attribute

Map = None

Mark module-attribute

Mark = None

Marker module-attribute

Marker = None

Mask module-attribute

Mask = None

Metadata module-attribute

Metadata = None

Meter module-attribute

Meter = None

Mpath module-attribute

Mpath = None

Nav module-attribute

Nav = None

Object module-attribute

Object = None

OI module-attribute

Ol = None

Optgroup module-attribute

Optgroup = None

Option module-attribute

Option = None

P module-attribute

P = None

Param module-attribute

Param = None

Path module-attribute

Path = None

Pattern module-attribute

Pattern = None

Picture module-attribute

Picture = None

Polygon module-attribute

Polygon = None

Polyline module-attribute

Polyline = None

Pre module-attribute

Pre = None

Progress module-attribute

Progress = None

Q module-attribute

Q = None

RadialGradient module-attribute

RadialGradient = None

Rb module-attribute

Rb = None

Rect module-attribute

Rect = None

Rp module-attribute

Rp = None

Rt module-attribute

Rt = None

Rtc module-attribute

Rtc = None

Ruby module-attribute

Ruby = None

S module-attribute

S = None

Samp module-attribute

Samp = None

Section module-attribute

Section = None

Set module-attribute

Set = None

Small module-attribute

Small = None

Source module-attribute

Source = None

Span module-attribute

Span = None

Stop module-attribute

Stop = None

Strong module-attribute

Strong = None

Sub module-attribute

Sub = None

Summary module-attribute

Summary = None

Sup module-attribute

Sup = None

Svg module-attribute

Svg = None

Switch module-attribute

Switch = None

Symbol module-attribute

Symbol = None

Table module-attribute

Table = None

Tbody module-attribute

Tbody = None

Td module-attribute

Td = None

Text module-attribute

Text = None

TextPath module-attribute

TextPath = None

Tfoot module-attribute

Tfoot = None

Th module-attribute

Th = None

Thead module-attribute

Thead = None

Time module-attribute

Time = None

Tr module-attribute

Tr = None

Track module-attribute

Track = None

Tspan module-attribute

Tspan = None

Tt module-attribute

Tt = None

U module-attribute

U = None

U1 module-attribute

U1 = None

Use module-attribute

Use = None

Var module-attribute

Var = None

Video module-attribute

Video = None

View module-attribute

View = None

Wbr module-attribute

```
Wbr = None
```

attrfind_tolerant module-attribute

```
attrfind_tolerant = re.compile(
    "((?<=[\\'\\\"\\s/])[^\\s/>][^\\s/=>]*)((\\s*=+\\s*(\\' [^\\' ]*\\'|\" [^\\\"]*\"*\\'|(?![\\'\\\"])[^>\\s]*))?(?:\\s|/(?!>))*"
```

c_tag module-attribute

```
c_tag = tag[0].capitalize() + tag[1:]
```

get_tag module-attribute

```
get_tag = component_by_tag
```

svg_animation_attributes module-attribute

```
svg_animation_attributes = [
    "attributeType",
    "attributeName",
    "begin",
    "dur",
    "end",
    "min",
    "max",
    "restart",
    "repeatCount",
    "repeatDur",
    "fill",
    "calcMode",
    "values",
    "keyTimes",
    "keySplines",
    "from",
    "to",
    "by",
    "additive",
    "accumulate",
]
```

svg_attr_dict module-attribute

```
svg_attr_dict = {
  "a": [
    "download",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "animate": [
    "accumulate",
    "additive",
    "attributeName",
    "begin",
    "by",
    "calcMode",
    "dur",
    "end",
    "fill",
    "from",
    "href",
    "keySplines",
    "keyTimes",
    "max",
    "min",
    "repeatCount",
    "repeatDur",
    "requiredExtensions",
    "restart",
    "systemLanguage",
    "to",
    "values",
  ],
  "animateMotion": [
    "accumulate",
    "additive",
    "begin",
    "by",
    "calcMode",
    "dur",
    "end",
    "fill",
    "from",
    "href",
    "keyPoints",
    "keySplines",
    "keyTimes",
    "max",
    "min",
    "origin",
    "path",
    "repeatCount",
    "repeatDur",
    "requiredExtensions",
    "restart",
    "rotate",
    "systemLanguage",
    "to",
    "values",
  ],
}
```

```
],
"animateTransform": [
  "accumulate",
  "additive",
  "attributeName",
  "begin",
  "by",
  "calcMode",
  "dur",
  "end",
  "fill",
  "from",
  "href",
  "keySplines",
  "keyTimes",
  "max",
  "min",
  "repeatCount",
  "repeatDur",
  "requiredExtensions",
  "restart",
  "systemLanguage",
  "to",
  "type",
  "values",
],
"audio": [
  "requiredExtensions",
  "role",
  "systemLanguage",
],
"canvas": [
  "preserveAspectRatio",
  "requiredExtensions",
  "role",
  "systemLanguage",
],
"circle": [
  "pathLength",
  "requiredExtensions",
  "role",
  "systemLanguage",
],
"clipPath": [
  "clipPathUnits",
  "requiredExtensions",
  "systemLanguage",
],
"discard": [
  "begin",
  "href",
  "requiredExtensions",
  "role",
  "systemLanguage",
],
"ellipse": [
  "pathLength",
  "requiredExtensions",
```

```

    "role",
    "systemLanguage",
  ],
  "feBlend": [
    "height",
    "in",
    "in2",
    "mode",
    "result",
    "width",
    "x",
    "y",
  ],
  "feColorMatrix": [
    "height",
    "in",
    "result",
    "type",
    "values",
    "width",
    "x",
    "y",
  ],
  "feComponentTransfer": [
    "height",
    "in",
    "result",
    "width",
    "x",
    "y",
  ],
  "feComposite": [
    "height",
    "in",
    "in2",
    "k1",
    "k2",
    "k3",
    "k4",
    "operator",
    "result",
    "width",
    "x",
    "y",
  ],
  "feConvolveMatrix": [
    "bias",
    "divisor",
    "edgeMode",
    "height",
    "in",
    "kernelMatrix",
    "kernelUnitLength",
    "order",
    "preserveAlpha",
    "result",
    "targetX",
    "targetY",
  ],

```

```

        "width",
        "x",
        "y",
    ],
    "feDiffuseLighting": [
        "diffuseConstant",
        "height",
        "in",
        "kernelUnitLength",
        "result",
        "surfaceScale",
        "width",
        "x",
        "y",
    ],
    "feDisplacementMap": [
        "height",
        "in",
        "in2",
        "result",
        "scale",
        "width",
        "x",
        "xChannelSelector",
        "y",
        "yChannelSelector",
    ],
    "feDistantLight": ["azimuth", "elevation"],
    "feDropShadow": [
        "dx",
        "dy",
        "height",
        "in",
        "result",
        "stdDeviation",
        "width",
        "x",
        "y",
    ],
    "feFlood": ["height", "result", "width", "x", "y"],
    "feFuncA": [
        "amplitude",
        "exponent",
        "intercept",
        "offset",
        "slope",
        "tableValues",
        "type",
    ],
    "feFuncB": [
        "amplitude",
        "exponent",
        "intercept",
        "offset",
        "slope",
        "tableValues",
        "type",
    ],
    ],

```

```

"feFuncG": [
  "amplitude",
  "exponent",
  "intercept",
  "offset",
  "slope",
  "tableValues",
  "type",
],
"feFuncR": [
  "amplitude",
  "exponent",
  "intercept",
  "offset",
  "slope",
  "tableValues",
  "type",
],
"feGaussianBlur": [
  "edgeMode",
  "height",
  "in",
  "result",
  "stdDeviation",
  "width",
  "x",
  "y",
],
"feImage": [
  "crossorigin",
  "height",
  "href",
  "preserveAspectRatio",
  "result",
  "width",
  "x",
  "y",
],
"feMerge": ["height", "result", "width", "x", "y"],
"feMergeNode": ["in"],
"feMorphology": [
  "height",
  "in",
  "operator",
  "radius",
  "result",
  "width",
  "x",
  "y",
],
"feOffset": [
  "dx",
  "dy",
  "height",
  "in",
  "result",
  "width",
  "x",

```

```

    "y",
  ],
  "fePointLight": ["x", "y", "z"],
  "feSpecularLighting": [
    "height",
    "in",
    "kernelUnitLength",
    "result",
    "specularConstant",
    "specularExponent",
    "surfaceScale",
    "width",
    "x",
    "y",
  ],
  "feSpotLight": [
    "limitingConeAngle",
    "pointsAtX",
    "pointsAtY",
    "pointsAtZ",
    "specularExponent",
    "x",
    "y",
    "z",
  ],
  "feTile": ["height", "in", "result", "width", "x", "y"],
  "feTurbulence": [
    "baseFrequency",
    "height",
    "numOctaves",
    "result",
    "seed",
    "stitchTiles",
    "type",
    "width",
    "x",
    "y",
  ],
  "filter": [
    "filterUnits",
    "height",
    "primitiveUnits",
    "width",
    "x",
    "y",
  ],
  "foreignObject": [
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "g": ["requiredExtensions", "role", "systemLanguage"],
  "iframe": [
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "image": [

```



```

    "crossorigin",
    "href",
    "preserveAspectRatio",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "line": [
    "pathLength",
    "requiredExtensions",
    "role",
    "systemLanguage",
    "x1",
    "x2",
    "y1",
    "y2",
  ],
  "linearGradient": [
    "gradientTransform",
    "gradientUnits",
    "href",
    "spreadMethod",
    "x1",
    "x2",
    "y1",
    "y2",
  ],
  "marker": [
    "markerHeight",
    "markerUnits",
    "markerWidth",
    "orient",
    "preserveAspectRatio",
    "refX",
    "refY",
    "viewBox",
  ],
  "mask": [
    "height",
    "maskContentUnits",
    "maskUnits",
    "requiredExtensions",
    "systemLanguage",
    "width",
    "x",
    "y",
  ],
  "mpath": ["href"],
  "path": [
    "pathLength",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "pattern": [
    "height",
    "href",
    "patternContentUnits",

```

```

    "patternTransform",
    "patternUnits",
    "preserveAspectRatio",
    "viewBox",
    "width",
    "x",
    "y",
  ],
  "polygon": [
    "pathLength",
    "points",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "polyline": [
    "pathLength",
    "points",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "radialGradient": [
    "cx",
    "cy",
    "fr",
    "fx",
    "fy",
    "gradientTransform",
    "gradientUnits",
    "href",
    "r",
    "spreadMethod",
  ],
  "rect": [
    "pathLength",
    "requiredExtensions",
    "role",
    "systemLanguage",
  ],
  "script": ["href"],
  "set": [
    "attributeName",
    "begin",
    "dur",
    "end",
    "fill",
    "href",
    "max",
    "min",
    "repeatCount",
    "repeatDur",
    "requiredExtensions",
    "restart",
    "systemLanguage",
    "to",
  ],
  "stop": ["offset"],

```

```
"style": ["media"],
"svg": [
  "playbackorder",
  "preserveAspectRatio",
  "requiredExtensions",
  "role",
  "systemLanguage",
  "timelinebegin",
  "transform",
  "viewBox",
  "zoomAndPan",
  "xmlns",
  "version",
],
"switch": [
  "requiredExtensions",
  "role",
  "systemLanguage",
],
"symbol": [
  "preserveAspectRatio",
  "refX",
  "refY",
  "role",
  "viewBox",
],
"text": [
  "dx",
  "dy",
  "lengthAdjust",
  "requiredExtensions",
  "role",
  "rotate",
  "systemLanguage",
  "textLength",
  "x",
  "y",
],
"textPath": [
  "href",
  "lengthAdjust",
  "method",
  "path",
  "requiredExtensions",
  "role",
  "side",
  "spacing",
  "startOffset",
  "systemLanguage",
  "textLength",
],
"tspan": [
  "dx",
  "dy",
  "lengthAdjust",
  "requiredExtensions",
  "role",
  "rotate",
```

```

        "systemLanguage",
        "textLength",
        "x",
        "y",
    ],
    "unknown": [
        "requiredExtensions",
        "role",
        "systemLanguage",
    ],
    "use": [
        "href",
        "requiredExtensions",
        "role",
        "systemLanguage",
    ],
    "video": [
        "requiredExtensions",
        "role",
        "systemLanguage",
    ],
    "view": [
        "preserveAspectRatio",
        "role",
        "viewBox",
        "zoomAndPan",
    ],
    ],
}

```

svg_filter_attributes module-attribute

```

svg_filter_attributes = [
    "height",
    "result",
    "width",
    "x",
    "y",
    "type",
    "tableValues",
    "slope",
    "intercept",
    "amplitude",
    "exponent",
    "offset",
    "xlink:href",
]

```

svg_presentation_attributes module-attribute

```

svg_presentation_attributes = [
    "alignment-baseline",
    "baseline-shift",
    "clip",

```

```
"clip-path",
"clip-rule",
"color",
"color-interpolation",
"color-interpolation-filters",
"color-profile",
"color-rendering",
"cursor",
"direction",
"display",
"dominant-baseline",
"enable-background",
"fill",
"fill-opacity",
"fill-rule",
"filter",
"flood-color",
"flood-opacity",
"font-family",
"font-size",
"font-size-adjust",
"font-stretch",
"font-style",
"font-variant",
"font-weight",
"glyph-orientation-horizontal",
"glyph-orientation-vertical",
"image-rendering",
"kerning",
"letter-spacing",
"lighting-color",
"marker-end",
"marker-mid",
"marker-start",
"mask",
"opacity",
"overflow",
"pointer-events",
"shape-rendering",
"stop-color",
"stop-opacity",
"stroke",
"stroke-dasharray",
"stroke-dashoffset",
"stroke-linecap",
"stroke-linejoin",
"stroke-miterlimit",
"stroke-opacity",
"stroke-width",
"text-anchor",
"transform",
"text-decoration",
"text-rendering",
"unicode-bidi",
"vector-effect",
"visibility",
"word-spacing",
"writing-mode",
```

```
"cx",  
"cy",  
"r",  
"rx",  
"ry",  
"d",  
"fill",  
"transform",  
]
```

svg_tags module-attribute

```
svg_tags = [  
"a",  
"animate",  
"animateMotion",  
"animateTransform",  
"audio",  
"canvas",  
"circle",  
"clipPath",  
"defs",  
"desc",  
"discard",  
"ellipse",  
"feBlend",  
"feColorMatrix",  
"feComponentTransfer",  
"feComposite",  
"feConvolveMatrix",  
"feDiffuseLighting",  
"feDisplacementMap",  
"feDistantLight",  
"feDropShadow",  
"feFlood",  
"feFuncA",  
"feFuncB",  
"feFuncG",  
"feFuncR",  
"feGaussianBlur",  
"feImage",  
"feMerge",  
"feMergeNode",  
"feMorphology",  
"feOffset",  
"fePointLight",  
"feSpecularLighting",  
"feSpotLight",  
"feTile",  
"feTurbulence",  
"filter",  
"foreignObject",  
"g",  
"iframe",  
"image",  
]
```

```

"line",
"linearGradient",
"marker",
"mask",
"metadata",
"mpath",
"path",
"pattern",
"polygon",
"polyline",
"radialGradient",
"rect",
"script",
"set",
"stop",
"style",
"svg",
"switch",
"symbol",
"text",
"textPath",
"title",
"tspan",
"unknown",
"use",
"video",
"view",
]

```

svg_tags_use module-attribute

```

svg_tags_use = [
"animate",
"animateMotion",
"animateTransform",
"circle",
"clipPath",
"defs",
"desc",
"discard",
"ellipse",
"feBlend",
"feColorMatrix",
"feComponentTransfer",
"feComposite",
"feConvolveMatrix",
"feDiffuseLighting",
"feDisplacementMap",
"feDistantLight",
"feDropShadow",
"feFlood",
"feFuncA",
"feFuncB",
"feFuncG",
"feFuncR",

```

```

    "feGaussianBlur",
    "feImage",
    "feMerge",
    "feMergeNode",
    "feMorphology",
    "feOffset",
    "fePointLight",
    "feSpecularLighting",
    "feSpotLight",
    "feTile",
    "feTurbulence",
    "filter",
    "foreignObject",
    "g",
    "image",
    "line",
    "linearGradient",
    "marker",
    "mask",
    "metadata",
    "mpath",
    "path",
    "pattern",
    "polygon",
    "polyline",
    "radialGradient",
    "rect",
    "set",
    "stop",
    "svg",
    "switch",
    "symbol",
    "text",
    "textPath",
    "tspan",
    "use",
    "view",

```

```
]
```

tagfind_tolerant module-attribute

```

tagfind_tolerant = re.compile(
    "([a-zA-Z][^\\t\\n\\r\\f />\\x00]*)?(?:\\s|/(?!>))*"
)

```

Classes

A

Bases: Div

Attributes

attributes class-attribute

```
attributes = [  
    "download",  
    "href",  
    "hreflang",  
    "media",  
    "ping",  
    "rel",  
    "target",  
    "type",  
]
```

block_option instance-attribute

```
block_option = 'start'
```

bookmark instance-attribute

```
bookmark = None
```

download instance-attribute

```
download = None
```

href instance-attribute

```
href = None
```

html_tag class-attribute

```
html_tag = 'a'
```

inline_option instance-attribute

```
inline_option = 'nearest'
```

rel instance-attribute

```
rel = 'noopener noreferrer'
```

scroll instance-attribute

```
scroll = False
```

scroll_option instance-attribute

```
scroll_option = 'smooth'
```

target instance-attribute

```
target = '_self'
```

title instance-attribute

```
title = ''
```

Functions

`__init__`

```
__init__(**kwargs)
```

`convert_object_to_dict`

```
convert_object_to_dict()
```

AutoTable

Bases: Table

Creates an HTML table from a list of lists First list is used as headers

Attributes

td_classes class-attribute

```
td_classes = 'border px-4 py-2 text-center'
```

th_classes class-attribute

```
th_classes = 'px-4 py-2'
```

tr_even_classes class-attribute

```
tr_even_classes = 'bg-gray-100 '
```

tr_odd_classes class-attribute

```
tr_odd_classes = ''
```

values instance-attribute

```
values = []
```

Functions

`__init__`

```
__init__(**kwargs)
```

react

```
react(data)
```

BasicHTMLParser

Bases: HTMLParser

Attributes

command_prefix instance-attribute

```
command_prefix = kwargs.get('command_prefix', 'jp.')
```

commands instance-attribute

```
commands = [f'root = {self.command_prefix}Div()']
```

components instance-attribute

```
components = []
```

containers instance-attribute

```
containers = []
```

context instance-attribute

```
context = context
```

create_commands instance-attribute

```
create_commands = kwargs.get('create_commands', True)
```

dict_attribute instance-attribute

```
dict_attribute = kwargs.get('dict_attribute', 'name')
```

endtag_required instance-attribute

```
endtag_required = True
```

level instance-attribute

```
level = -1
```

name_dict instance-attribute

```
name_dict = Dict()
```

parse_id instance-attribute

```
parse_id = 0
```

root instance-attribute

```
root = Div(name='root')
```

start_tag instance-attribute

```
start_tag = True
```

void_elements class-attribute

```
void_elements = [  
    "area",  
    "base",  
    "br",  
    "col",  
    "embed",  
    "hr",  
    "img",  
    "input",  
    "keygen",  
    "link",  
    "menuitem",  
    "meta",  
    "param",  
    "source",  
    "track",  
    "wbr",  
]
```

Functions

`__init__`

```
__init__(context, **kwargs)
```

`handle_charref`

```
handle_charref(name)
```

`handle_comment`

```
handle_comment(data)
```

`handle_data`

```
handle_data(data)
```

`handle_decl`

```
handle_decl(data)
```

`handle_endtag`

```
handle_endtag(tag)
```

handle_entityref

```
handle_entityref(name)
```

handle_startendtag

```
handle_startendtag(tag, attrs)
```

handle_starttag

```
handle_starttag(tag, attrs)
```

parse_starttag

```
parse_starttag(i)
```

Div

Bases: `HTMLBaseComponent`

A general purpose html container This is a component that other components can be added to

Attributes

children `instance-attribute`

```
children = []
```

components `instance-attribute`

```
components = self.children.copy()
```

html_entity `instance-attribute`

```
html_entity = False
```

html_tag `class-attribute`

```
html_tag = 'div'
```

Functions

`__add__`

```
__add__(child)
```

`__getitem__`

```
__getitem__(index)
```

`__iadd__`

```
__iadd__(child)
```

`__init__`

```
__init__(**kwargs)
```

constructor

`add`

```
add(*args)
```

`add_component`

```
add_component(child, position = None, slot = None)
```

add a component

PARAMETER	DESCRIPTION
<code>child</code>	the component to add
<code>position</code>	the position to add to (append if None) DEFAULT: <code>None</code>

PARAMETER	DESCRIPTION
<code>slot</code>	if given set the slot of the child DEFAULT: <code>None</code>

add_first

```
add_first(child)
```

build_list

```
build_list()
```

convert_object_to_dict

```
convert_object_to_dict()
```

delete

```
delete()
```

delete_components

```
delete_components()
```

first

```
first()
```

get_components

```
get_components()
```

last

```
last()
```

model_update


```
model_update()
```

remove

```
remove(component)
```

remove_component

```
remove_component(component)
```

to_html

```
to_html(indent = 0, indent_step = 0, format = True)
```

EditorMD

Bases: `Textarea`

Attributes

`debounce` instance-attribute

```
debounce = 0
```

`html_tag` instance-attribute

```
html_tag = 'textarea'
```

`input_type` instance-attribute

```
input_type = 'textarea'
```

`vue_type` instance-attribute

```
vue_type = 'editorjp'
```

Functions

`__init__`

```
__init__(**kwargs)
```

Equation

Bases: `Div`

Attributes

equation `instance-attribute`

```
equation = ''
```

options `instance-attribute`

```
options = {'macros': {}}
```

vue_type `class-attribute`

```
vue_type = 'katexjp'
```

Functions

`__init__`

```
__init__(**kwargs)
```

`convert_object_to_dict`

```
convert_object_to_dict()
```

Form

Bases: `Div`

Attributes

attributes `class-attribute`

```
attributes = [
    "accept-charset",
    "action",
    "autocomplete",
```

```

    "enctype",
    "method",
    "name",
    "novalidate",
    "target",
]

```

html_tag class-attribute

```
html_tag = 'form'
```

Functions

__init__

```
__init__(**kwargs)
```

HTMLBaseComponent

Bases: JustpyBaseComponent

Base Component for all HTML components

Attributes

additional_properties instance-attribute

```
additional_properties = []
```

allowed_events instance-attribute

```

allowed_events = [
    "click",
    "mouseover",
    "mouseout",
    "mouseenter",
    "mouseleave",
    "input",
    "change",
    "after",
    "before",
    "keydown",
    "keyup",
    "keypress",
    "focus",
    "blur",
    "submit",
    "dragstart",
]

```

```

    "dragover",
    "drop",
    "click__out",
]

```

animation instance-attribute

```
animation = False
```

attribute_list class-attribute

```

attribute_list = [
    "id",
    "vue_type",
    "show",
    "events",
    "event_modifiers",
    "classes",
    "style",
    "set_focus",
    "html_tag",
    "class_name",
    "event_propagation",
    "inner_html",
    "animation",
    "debug",
    "transition",
]

```

attributes class-attribute

```
attributes: List = []
```

class_name instance-attribute

```
class_name = type(self).__name__
```

classes instance-attribute

```
classes = ''
```

data instance-attribute

```
data = {}
```

debug instance-attribute

```
debug = False
```

directives instance-attribute

```
directives = []
```

drag_options instance-attribute

```
drag_options = None
```

event_modifiers instance-attribute

```
event_modifiers = Dict()
```

event_propagation instance-attribute

```
event_propagation = True
```

events instance-attribute

```
events = []
```

html_global_attributes class-attribute

```
html_global_attributes = [  
    "accesskey",  
    "class",  
    "contenteditable",  
    "dir",  
    "draggable",  
    "dropzone",  
    "hidden",  
    "id",  
    "lang",  
    "spellcheck",  
    "style",  
    "tabindex",  
    "title",  
]
```

html_tag class-attribute

```
html_tag: str = 'div'
```

inner_html instance-attribute

```
inner_html = ''
```

pages instance-attribute

```
pages = {}
```

prop_list instance-attribute

```
prop_list = []
```

scoped_slots instance-attribute

```
scoped_slots = {}
```

set_focus instance-attribute

```
set_focus = False
```

show instance-attribute

```
show = True
```

slot instance-attribute

```
slot = None
```

style instance-attribute

```
style = ''
```

used_global_attributes class-attribute

```
used_global_attributes = [  
    "contenteditable",  
    "dir",  
    "tabindex",
```

```
"title",  
"accesskey",  
"draggable",  
"lang",  
"spellcheck",  
]
```

vue_type class-attribute

```
vue_type: str = 'html_component'
```

Functions

__init__

```
__init__(**kwargs)
```

__len__

```
__len__()
```

__repr__

```
__repr__()
```

add_allowed_event

```
add_allowed_event(event_type)
```

add_attribute

```
add_attribute(attr, value)
```

add_event

```
add_event(event_type)
```

add_scoped_slot

```
add_scoped_slot(slot, c)
```

add_to

```
add_to(*args)
```

add_to_page

```
add_to_page(wp: WebPage)
```

convert_object_to_dict

```
convert_object_to_dict()
```

react

```
react(data)
```

to_html

```
to_html(indent = 0, indent_step = 0, format = True)
```

HTMLEntity

Bases: `Span`

Attributes

entity `instance-attribute`

```
entity = ''
```

Functions

`__init__`

```
__init__(**kwargs)
```

convert_object_to_dict

```
convert_object_to_dict()
```

Hello

Bases: `Div`

Attributes

classes `instance-attribute`

```
classes = "m-1 p-1 text-2xl text-center text-white bg-blue-500 hover:bg-blue-800 cursor-pointer"
```

counter `instance-attribute`

```
counter = 1
```

text `instance-attribute`

```
text = 'Hello! (click me)'
```

Functions

`__init__`

```
__init__(**kwargs)
```

Icon

Bases: `Div`

Attributes

icon `instance-attribute`

```
icon = 'dog'
```

Functions

`__init__`

```
__init__(**kwargs)
```

convert_object_to_dict

```
convert_object_to_dict()
```

Input

Bases: `Div`

Attributes

attributes `class-attribute`

```
attributes = [  
    "accept",  
    "alt",  
    "autocomplete",  
    "autofocus",  
    "checked",  
    "dirname",  
    "disabled",  
    "form",  
    "formaction",  
    "formenctype",  
    "formmethod",  
    "formnovalidate",  
    "formtarget",  
    "height",  
    "list",  
    "max",  
    "maxlength",  
    "min",  
    "minlength",  
    "multiple",  
    "name",  
    "pattern",  
    "placeholder",  
    "readonly",  
    "required",  
    "size",  
    "src",  
    "step",  
    "type",  
    "value",  
    "width",  
]
```

checked `instance-attribute`

```
checked = False
```

debounce `instance-attribute`

```
debounce = 200
```

form instance-attribute

```
form = None
```

html_tag class-attribute

```
html_tag = 'input'
```

no_events instance-attribute

```
no_events = False
```

type instance-attribute

```
type = 'text'
```

value instance-attribute

```
value = ''
```

Functions

`__init__`

```
__init__(**kwargs)
```

`__repr__`

```
__repr__()
```

`before_event_handler`

```
before_event_handler(msg)
```

`convert_object_to_dict`

```
convert_object_to_dict()
```

`model_update`

```
model_update()
```

radio_button_set staticmethod

```
radio_button_set(radio_button, container)
```

radio_button_set_model_update staticmethod

```
radio_button_set_model_update(  
    radio_button, container, model_value  
)
```

InputChangeOnly

Bases: Input

Does not generate the 'input' event. Generates the 'change' event. Leaves other events unchanged. Use if you don't need to look at each character typed. Saves interaction with the server The 'change' event docs: https://developer.mozilla.org/en-US/docs/Web/API/HTMLElement/change_event
Salient: When the element loses focus after its value was changed, but not committed (e.g., after

editing the value of `or <input type="text">` or `when`