
Rattle.py Documentation
âČlãČlãČijãČz 0.0.2a1

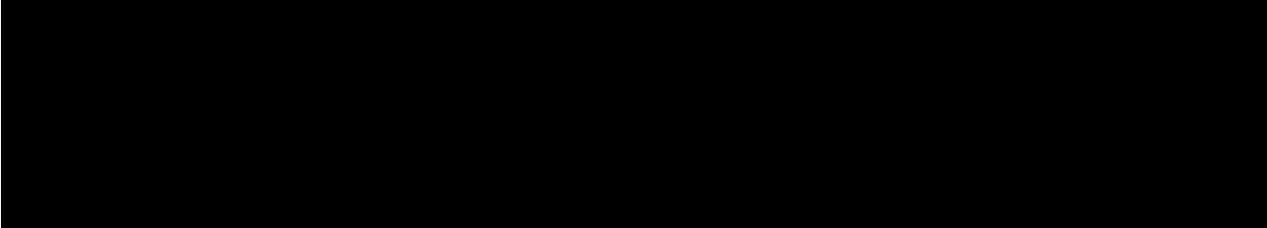
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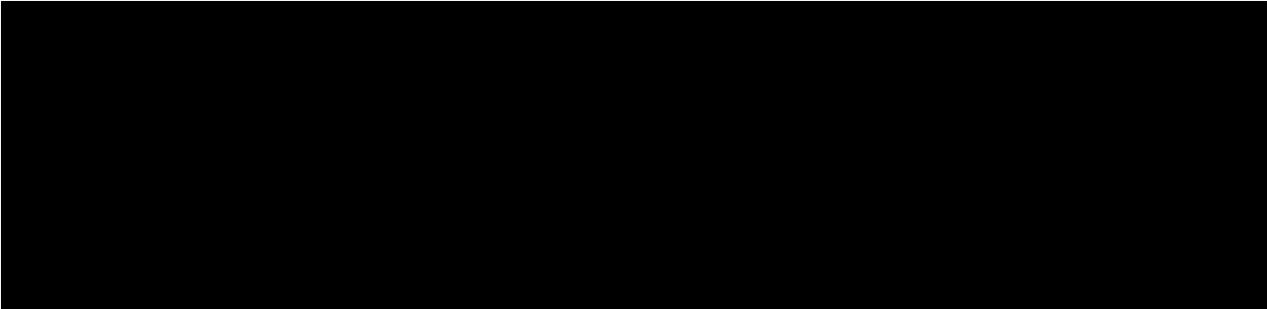
rattlepy.ČčāČýāČěāČijāČní : Rattle.py API ČlāČTāČqāČňāČšāČz

æňqăAőăČL'ăČ■ăČěāČqăČšăČL: Elements

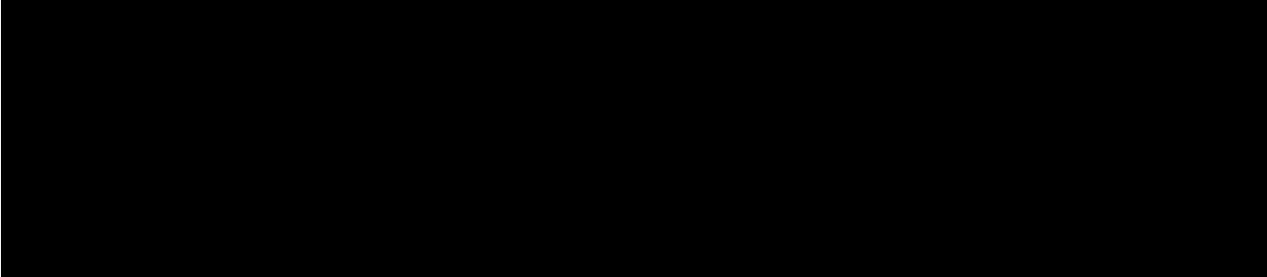
Rattle.py - A Pure Python Templating Library for HTML A pure python templating library for html. Rattle.py has no special notation like Django or Jinja. For example:



The above HTML equals to below Python code with rattle.py:



And then, you can also make reusable components by yourself:



Enjoy!

æňqăAőăČL'ăČ■ăČěāČqăČšăČL: Elements

rattlepy.elements.ČčāČýāČěāČijāČní : Rattle.py API ČlāČTāČqāČňāČšāČz

æňqăAőăČL'ăČ■ăČěāČqăČšăČL: Utils

ाL■ăAőăČL'ăČ■ăČěāČqăČšăČL: Rattlepy

HTML element short-handing functions

```
rattlepy.elements.a(**kwargs)           return Element("a", attributes...)  
    ČlāČšāČřāČšă|IjæŁRăAűAęełTăAűAčăAžăĀC  
    āAłāRNăAŶăAęgăAžăĀC
```

```
rattlepy.elements.article(**kwargs)      return Element("article",  
    article.ČOāČijāČLāČSă|IjæŁRăAűAęełTăAűAčăAžăĀC  
    attributes... ) āAłāRNăAŶăAęgăAžăĀC
```

```
rattlepy.elements.body(**kwargs)         return Element("body", attributes.  
    body.ČOāČijāČLāČSă|IjæŁRăAűAęełTăAűAčăAžăĀC  
    ... ) āAłāRNăAŶăAęgăAžăĀC
```

```

rattlepy.elements.div(**kwargs)
divâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("div", attributes...)
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.footer(**kwargs)
footerâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("footer",
attributes...) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h1(**kwargs)
h1âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h1", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h2(**kwargs)
h2âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h2", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h3(**kwargs)
h3âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h3", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h4(**kwargs)
h4âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h4", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h5(**kwargs)
h5âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h5", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.h6(**kwargs)
h6âČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("h6", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.head(**kwargs)
headâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("head", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.header(**kwargs)
headerâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("header",
attributes...) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.hr(**kwargs)
hrâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("hr", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.html(**kwargs)
htmlâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("html", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.img(**kwargs)
imgâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("img", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.li(**kwargs)
liâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("li", attributes...)
ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.link(**kwargs)
linkâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("link", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.main(**kwargs)
mainâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("main", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

rattlepy.elements.meta(**kwargs)
metaâČÓãCijâČLâČSä|IjæŁRãAּUּAּAּEּFּTּAּAּUּAּAּAּZּAּAּC return Element("meta", attributes...
) ּAּlּaּRּNּAּAּYּAּAּgּaּAּZּAּAּC

```

```
rattlepy.elements.ol(**kwargs)
olăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("ol", attributes...)
ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.p(**kwargs)
paragraphăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("p",
attributes...) ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.script(**kwargs)
scriptăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("script",
attributes...) ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.span(**kwargs)
spanăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("span", attributes...
..) ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.style(**kwargs)
styleăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("style",
attributes...) ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.title(**kwargs)
titleăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("title",
attributes...) ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.ul(**kwargs)
ulăČőāCijăČLăČSăjIjæŁRăAÜăAęeŁTăAÜăAj;ăAŽăĀĆ return Element("ul", attributes...)
ăAłłRNăAŶăAğăAŽăĀĆ

rattlepy.elements.setTitle(string)
ăČLăČňăCěăČqăČšăČLăAđoāČfăČđăČLăCňăČSělňăđZăAÜăAj;ăAŽăĀĆ
ăAŞăAđeÜćaeTřăAřäzëäyŃăAđăČšăČijăČLăAļłRNćyLăAğăAŻ:
```

“**U**nus est dominus noster Iesu Christus et unus est Deus patrum nostrorum Iacobus.

rattlepy.templates.CcaCyaCeaCjaCh : Rattle.py API CiaCfaCaaCnaCsac
x z A "zščiažž zščzž zš zší El

ænəqɑːʃoaCL aClaCe aCəɑːʃəCL: Elements

aL■aAöaCL'aC■aCe aCq aCş aCL: *Templating*

áCEáCşáCUáCňáCijáCLáCŕáCláCzáÁléUćæTr

```
rattleypy.templates.escapeHtmlEntities(string)  
çĽzāőŽāĄœŪĞāŋÜāČŠāĆlāĆzāĆsāĆijāĆŮāĄŽāĆŃ
```

```
class rattlepy.templates.Element(tag, *, className=None, **kwargs)  
    àñRâČÖäČíjäCLâČSæÑÄäAđéęAçtääÄđäČřáČlâČz
```

äj£äÅĐæǗz:

exposes (*element=None*)

āCnā Čzā ČLā Cāa Čsā Člā Cjā Člā Čsā ČLā Aőj; Ijá ĚL Rā ČSā řózā Ÿ Šsā Aňnā AŽā Čnā ČYā Čnā Čsā Čijé Uéæ Třā Aňgā AŽā ĀČ
ā NTz ČDā Aňneěl ČOā Cijā ČLā Čsā d Læz Tzâ AÜâ Ačâ AŽā ĀČ

aČšaČijāČLäjŃ:

```
serialize(formatter='human_friendly', force_add_doctype=False)
```

```
class rattlepy.templates.SelfClosedElement(tag, *, _outer=2, className=None, **kwargs)
```

åñŘäČÖãČijäČLãČŠæŇAãA§ãAłãAĐèeAçťääAóãCräČlãČz

ä|fāA᷑DæǗz:

addself(**, outer=1*)

çŁzåöŽäÅöèëłäČÖäČijäČLäAñèGłåŁEèGłežńäČŠè£jäŁääÅÜäAj;äAŽäĀČ

äʃfāA᷑DæUz:

rattlepy.templates.**text** (*content*)

contentaijTæTr̄AóåđNãArstrãAęgãAĆáĆNåłEèeAãAÑãAćČLãAč;AžãAĆ

ed Gæ Træa Nā Añā CRā Añā CSā CNæ Ú Gæ l Uá L Uá A Fræ ña A ða C Lá A Fæ Añā A Ú A e ã A Rá A ã A T a AD:

| áAðåLÐaAðæÜGanjÚåLÚåAðrcDæeÜåATåCÑnåA; åAðzåAðcñjYåIJlåAðlåAðdåatåRlåAðråAðiaNåAðoåAðzåAðzåAðeåAðc
& åAðoåCðlåAðeåAðIHTMlåAðcLzæoðLæÜGanjÚåAðråClåCðzåCðsåCijåCðUåATåCÑnåA; åAðzåAð
åClåCðzåCðsåCijåCðUåAðlåAðUåAðgæNåEéåAðUåAðsåAðdåatåRlåAðf rtex t éUçæTråCðSæzçåCðråClåAñiåLåAðcåAðeåAðråAðaAT

```
rattlepy.templates.node(tag, **kwargs)  
éęĄçťāăČSä;IJæŁRāĄUāĄęeŁTāĄUāĄ;ăĄZāĀČ  
ãĄlāRÑāĄYāĄgāĄŽāĀČ
```

Element (tag, attributes...)

```
rattlepy.templates.closed(tag, **kwargs)  
ńąRāČOāCijāČLāČSæŃAāĄgāĄlāĄDęeĄętāāČSä;IJæŁRāĄUāĄęeŁTāĄUāĄ;ăĄZāĀČ  
SelfClosedElement (tag, attributes...) ãĄlāRÑāĄYāĄgāĄŽāĀČ
```

æňąąAőőČL'ąČmąČęāČqąČšąČL: *Elements*

াL■ąAőőČL'ąČmąČęāČqąČšąČL: *Templating*

rattlepy.utils.CcāČyāČęāČijāČn : Rattle.py API ČlāČTāČqąČnāČšąČz

æňąąAőőČL'ąČmąČęāČqąČšąČL: *Templating*

াL■ąAőőČL'ąČmąČęāČqąČšąČL: *Elements*

Utility functions for making html more easily.

```
rattlepy.utils.createHeader(title, *metas)  
Create head element. Usage:
```



This function equals to the code:



```
rattlepy.utils.scaffold(header: rattlepy.templates.Element)
```

Create html scaffold. This feature is under experimental.

æňąąAőőČL'ąČmąČęāČqąČšąČL: *Templating*

াL■ąAőőČL'ąČmąČęāČqąČšąČL: *Elements*

Module rattlepy.environment : Rattle.py API Reference

Previous document: *Templating*

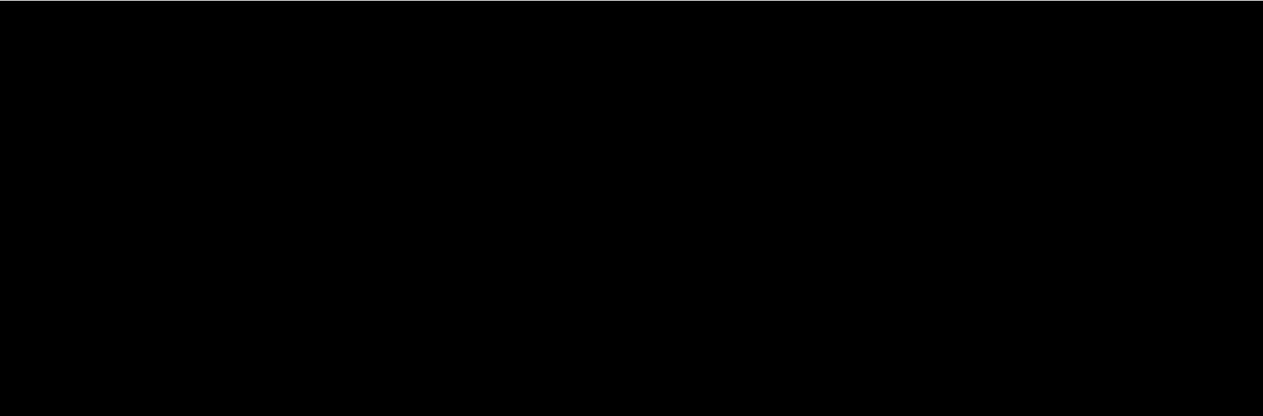
Placeholder variables implementation

```
class rattlepy.environment.Environment
```

Holding values to replace placeholders. Threads have a separate set of variables.

THIS IS AN EXPERIMENTAL FEATURE.

Usage:



define (*name*)
Create a placeholder.

dispose ()
Delete all data on the certain thread.

Placeholder class

class rattlepy.environment.placeholder.**Placeholder** (*parent, name*)
A class for placeholder in html node trees.

THIS IS AN EXPERIMENTAL FEATURE.

Previous document: *Templating*

Rattle.py API

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