Mixins

Mixins allow you to create reusable blocks of jade.

```
//- Declaration
mixin list
  ul
    li foo
    li bar
    li baz
//- Use
+list
+list
```

```
<ul>
  <li>foo</li>
  <li>bar</li>
  <li>baz</li>
</ul>
<ul>
  <li>foo</li>
  <li>bar</li>
  <li>baz</li>
```

```
</ul>
```

They are compiled to functions and can take arguments:

```
mixin pet(name)
  li.pet= name
ul
  +pet('cat')
  +pet('dog')
  +pet('pig')
```

```
<ul>
  <li class="pet">cat</li>
  <li class="pet">dog</li>
  <li class="pet">pig</li>
</ul>
```

Mixin Blocks

Mixins can also take a block of jade to act as the content:

```
mixin article(title)
  .article
    .article-wrapper
      h1= title
      if block
        block
      else
        p No content provided

+article('Hello world')

+article('Hello world')
  p This is my
  p Amazing article
```

```
<div class="article">
  <div class="article-wrapper">
    <h1>Hello world</h1>
    <p>No content provided</p>
  </div>
</div>
<div class="article">
  <div class="article-wrapper">
```

```
    <h1>Hello world</h1>
    <p>This is my</p>
    <p>Amazing article</p>
  </div>
</div>
```

Mixin Attributes

Mixins also get an implicit attributes argument taken from the attributes passed to the mixin:

```
mixin link(href, name)
  //- attributes == {class: "btn"}
  a(class!=attributes.class, href=href)= name

+link('/foo', 'foo')(class="btn")
```

```
<a href="/foo" class="btn">foo</a>
```

Note

The values in `attributes` are already escaped so you should use `!=` to avoid escaping them a second time (see also unescaped attributes (/reference/attributes#unescaped)).

You can also use with `&attributes` (see also &attributes (/reference/attributes#and-attributes))

```
mixin link(href, name)
  a(href=href)&attributes(attributes)= name

+link('/foo', 'foo')(class="btn")
```

```
<a href="/foo" class="btn">foo</a>
```

Rest Arguments

You can write mixins that take an unknown number of arguments using the "rest arguments" syntax. e.g.

```
mixin list(id, ...items)
  ul(id=id)
    each item in items
      li= item

+list('my-list', 1, 2, 3, 4)
```

```
<ul id="my-list">
  <li>1</li>
  <li>2</li>
  <li>3</li>
  <li>4</li>
</ul>
```