JADE (PUG)

Agenda

- ❏ Introduction

- ❏ Basic Topics

- ❏ Advanced Topics

Introduction

- Jade is Templating Language

- It is Clean and minimal html

- It is Originally Packaged as node module

- Indentation based language *(we can use either spaces or tabs not both.)*

- Available for Python, Ruby etc…

- Recently Jade renamed as pug

Introduction (2)

- Installation

  $ npm install -g jade / pug

- Checking Jade version

  $ npm ls -g jade / pug

- Command line interface

  $ jade --help / pug --help

Basic Topics

- Tags and Text

- Nesting

- Variables and comments

- Classes, Ids and Attributes

- Conditions (if, else, unless)

- Loops and Iteration

Tags and Text

Tags

- First word is a Tag
  - p, div, h1 etc...

- Jade knows self-closing tags
  - img, input etc...

Text

- Everything after first word is text
  - p Hello, World
  - echo "p Hello, world" | jade

- For multi-line text, use pipes '|'
  - p

    | Hello

    | This is Jade

- Just add a new line and a tab per indent level

  div

      p

          h1   Nesting Example

      p

          strong Hello, World

Variables and Comments

variables

- Variables are used to store value

  - title = "welcome to Jade"
    h1 = title

Comments

- Single line comments just like javascript comments

  - // p   (visible in DOM)
  - //- p (invisible in DOM)

- Multi-line / Block Comments

  - body
    //

Classes, Ids and Attributes

Classes and Ids

- Use Class Selectors
- The html class attribute is ".classname"
- Can have multiple classes
  - p.col-md-2
  - div.row.col-md-6 (.row.col-md-6: for div no need for use 'div')

- The html id attribute is "#idname"
  - div#wrap
- Can Combain Class and Id
  - #container
      .row.col-md-1

Attributes

- Html like in a javascript syntax
  - a(href="google.com") Google
  - img.row(alt="img", title="img", src="img.png")

Conditions

- Simple if/else statement same as like javascript

- No braces
  - - var color = 'red'
    if color == 'red'
        p.red Hello, World
    else
        p.yellow Hello, World

- Unless is negative evolution
  - - var color = 'red'
    unless color == 'red' // if color !='red'
        p.yellow Hello, World

Loops

- Iteration over arrays or objects
  - ul

        each val in [1,2,3,4,5]
            li = val

- Can also 'for' keyword'
  - ul

        for val in [1,2,3,4,5]
            li = val

- Can get index while iteration
  - ul

        each val, index in in [one, two, three]
            li = index+":"+val
- Iterate over keys in object
  - ul

        each val,index in {1:'one', 2:'two'}
            li = index+":"+val

Advanced Topics

- Template Includes

- Template Inheritance

- Mixins

- Miscellaneous

Template Includes

- One of the most powerful feature

- Allow code reuse

- Write Once, use multiple times

- You Can include different jade file into different once

- Can have multiples includes in a file

❖ include <template>.jade

Template Inheritance

- Jade supports template inheritance via the block and extends keywords

- A block is simply a "block" of Jade that may be replaced within a child template

layout.jade

```
doctype html
  head
     title My Site
     block scripts
       script(src='/jquery.js')
  body
    block content
    block foot
      #footer
        p some footer content
```

sub-layout.jade

```
extends ./layout.jade

block scripts
  script(src='/jquery.js')
  script(src='/pets.js')

block content
  h1= title
```

Mixins

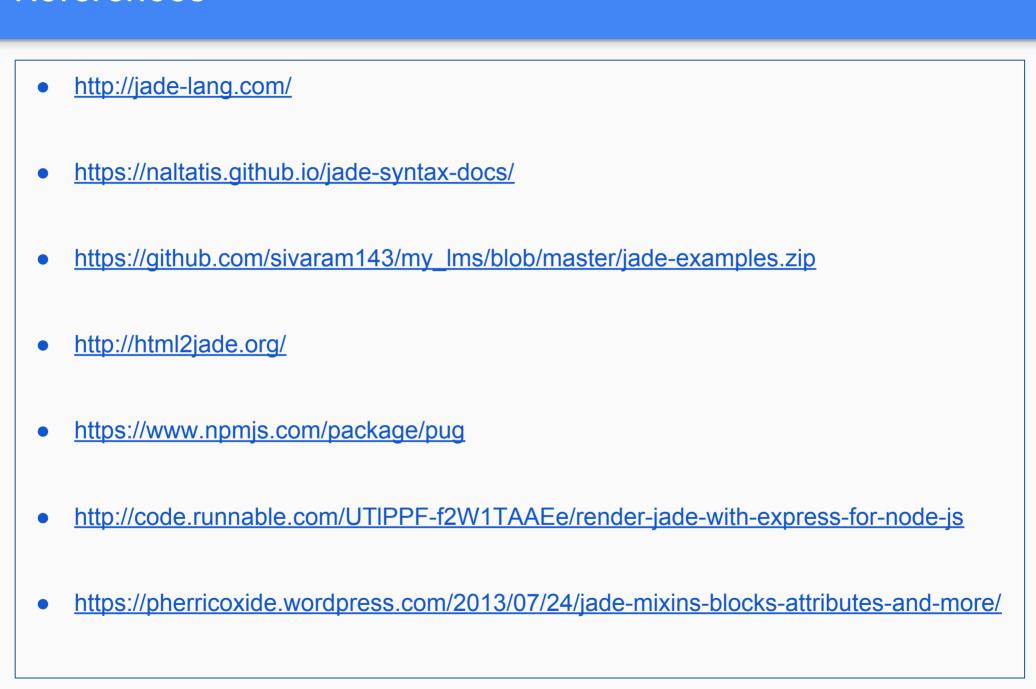- Mixins allow you to create reusable blocks of jade

- [Declaration](#)
  ```
  mixin list
    ul
        li foo
        li bar
        li baz

  //- Usage
        +list
        +list
  ```

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

References

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- https://github.com/sivaram143/my_lms/blob/master/jade-examples.zip

- http://html2jade.org/

- https://www.npmjs.com/package/pug

- http://code.runnable.com/UTlPPF-f2W1TAAEe/render-jade-with-express-for-node-js

- https://pherricoxide.wordpress.com/2013/07/24/jade-mixins-blocks-attributes-and-more/

Thanks for listening ...

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