



# Amazing Web Framework for node.js

Let's meet coServ

Ben Lue



List<Map<String, Object>>

list = new ArrayList<>();

```
var list = [];
```

# The Java Version

From 2010.7 ~ 2013.10

Include 3 sub-projects

Project Name	Line of Code
wcms	27954
cms	31231
amphi	9739
	68924

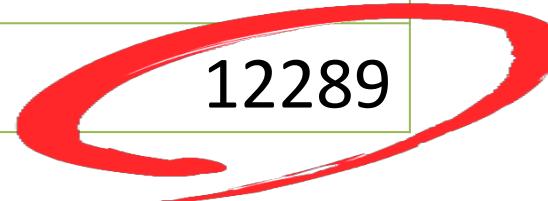


# The node Version

From 2013.12 ~ 2014.2

Include 2 sub-projects

Project Name	Line of Code
coim	11038
coServ	1251
	12289



C : 1973

~ 20 Years

Java : 1995

~ 10 Years

node.js : 2009

~ 5 Years



has Rails

node.js has ???



## Can I:

- cut development time in half
- use 1/10 of time to maintain my website
- spend time in coding than learning tools



```
<div ng-controller="TodoController">
  <span>{{remaining()}} of {{todos.length}} remaining</span>
  [ <a href="" ng-click="archive()">archive</a> ]
  <ul class="unstyled">
    <li ng-repeat="todo in todos">
      <input type="checkbox" ng-model="todo.done">
      <span class="done-{{todo.done}}">{{todo.text}}</span>
    </li>
  </ul>
  <form ng-submit="addTodo()">
    <input type="text" ng-model="todoText" size="30"
           placeholder="add new todo here">
    <input class="btn-primary" type="submit" value="add">
  </form>
</div>
```



## Can I:

- cut development time in half
- use 1/10 of time to maintain my website
- spend time in coding than learning tools
- Build a website faster than my Ruby pal?





The 1 kloc  
web framework for  
node.js -- coServ



# What 1 KLOC Do For You

- A very clean MVC framework
- A very powerful template engine
- Multi-lingual support extremely easy
- Hosting multiple websites
- Customize with node.js modules



It's only 1 kloc. Change  
it as you wish.

# The Golden Rule of CS

Divide and conquer



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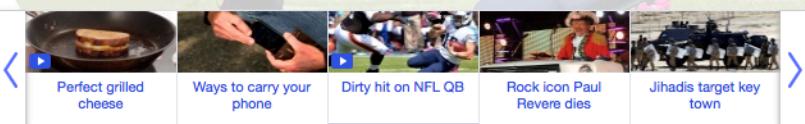


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Tennessee's Jake Locker remained in the game for one more play before he was yanked for good.

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Shutdown Corner



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| <a href="#">3 Teresa Giudice</a>   | <a href="#">8 Kris Jenner</a>      |
| <a href="#">4 Kendra Wilkinson</a> | <a href="#">9 Carol Burnett</a>    |
| <a href="#">5 Amanda Bynes</a>     | <a href="#">10 Miranda Lambert</a> |



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## Shakeup in football polls after chaotic weekend

Ole Miss and Mississippi State, who both defeated top 8 teams, vault into the AP's top 5.

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[Shakeup in football polls](#)

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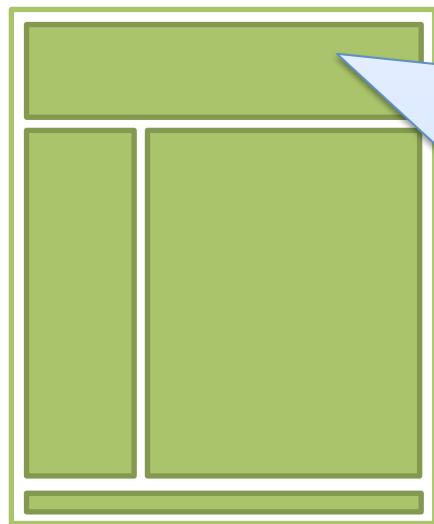
## Trending Now

- |                                    |                                    |
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# The Anatomy of Pages



# The Anatomy of Pages



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```
exports.run = function(inData, callback) {  
  var data = {thisYear: new Date().getFullYear()};  
  return {errCode: 0,  
          message: 'ok',  
          value: data} );  
};
```

```
<div>  
Super-powered by Noodle  
&copy;2010 ~ <%=value.thisYear %>  
</div>
```

```
var codeProp = {  
    display: 'inline-block',  
    background: '#99c2ff',  
    border: '#7699d1'  
    color: '#223f7a'  
};
```

```
.code {  
    display: inline-block;  
    background-color: #99c2ff;  
    border: 1px solid #7699d1;  
    color: #223f7a;  
}
```

# Introducing JASS

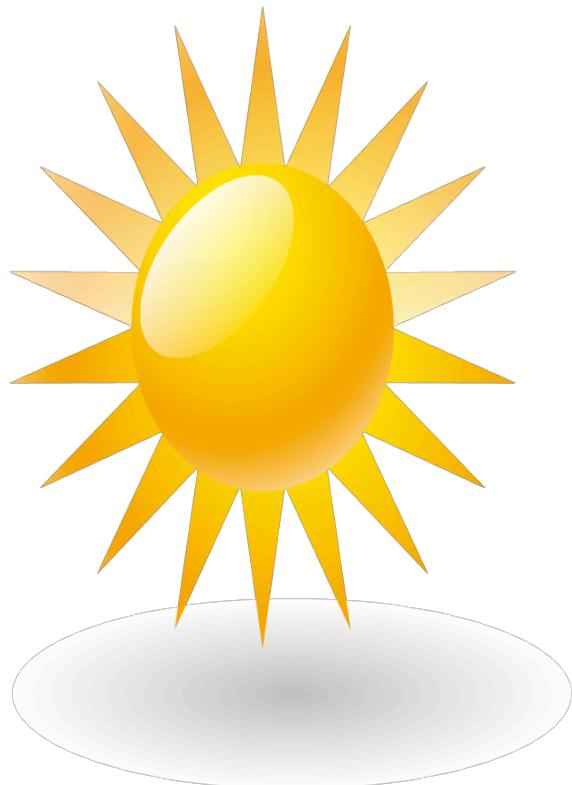
- Embed Javascript in CSS
- Print Javascript Object in CSS format

# Compared with SASS

- ✓ Variables
- ✓ Nesting
- ✓ Import
- ✓ Mixins
- ✓ Extend / Inheritance

```
<%
  function  borderRadius(radius) {
    return {
      '-webkit-border-radius': radius,
      '-moz-border-radius': radius,
      '-ms-border-radisu': radius,
      'border-radius': radius
    };
  };
%>

.box { <%= $.p( borderRadius('10px') ); %> }
.lgBox { <%= $.p( borderRadius('20px') ); %> }
```



```
<%
  function bgImage(weather) {
    var imgFile;
    if (weather === 'cloudy')
      imgFile = 'cloudy.png';
    else if (weather === 'rainy')
      imgFile = 'rainy.png';
    else
      imgFile = 'clearSky.png';

    return {
      'background-image: imgFile';
    };
%>

body { <%= $.p(bgImage( value.weather )); %> }
```



```
<%
  function btnProp(sel) {
    var s = sel.split('.'),
        prop = {'border': '1px solid'};

    if (s.indexOf('large') >= 0)
      prop['font-size'] = '16pt';
    else if (s.indexOf('small') >= 0)
      prop['font-size'] = '12pt';

    return prop;
  };
%>

.large.btn { <%= $.p(btnProp('.large.btn')); %> }
.small.btn { <%= $.p(btnProp('.small.btn')); %> }
```

coServ is open sourced

○ [github.com/coimotion/coServ](https://github.com/coimotion/coServ)

○ [www.coservjs.org](http://www.coservjs.org)



# Q & A

