

Warming Up With ember:js

Level 1 - Warming Up

The Router



Routing Our Way In

index.html

```
<script type='text/x-handlebars' data-template-name='application'>
  <div class='navbar'>...</div>
  <div class='container'>
    {{outlet}} ←
  </div>
  <footer class='container'>...</footer>
</script>

<script type='text/x-handlebars' data-template-name='about'>
  <h1>About The Fire Spirits</h1>
</script>
```

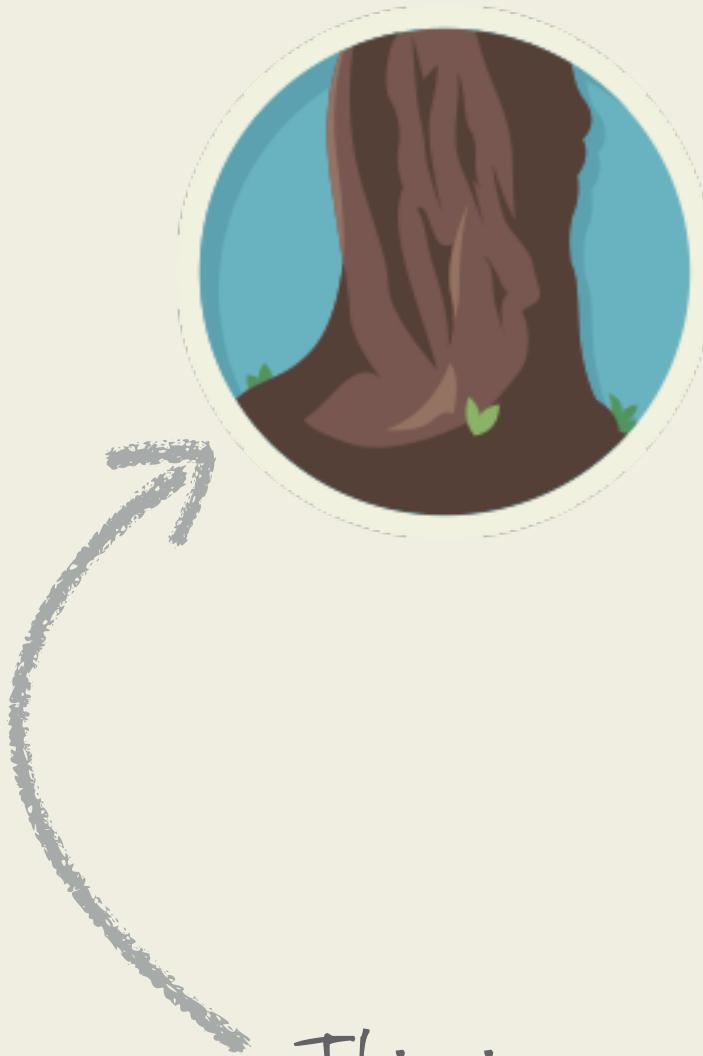


How can we ever render the 'about' template?

and map it to a URL, like <http://example.com/about> ?



The Ember Router



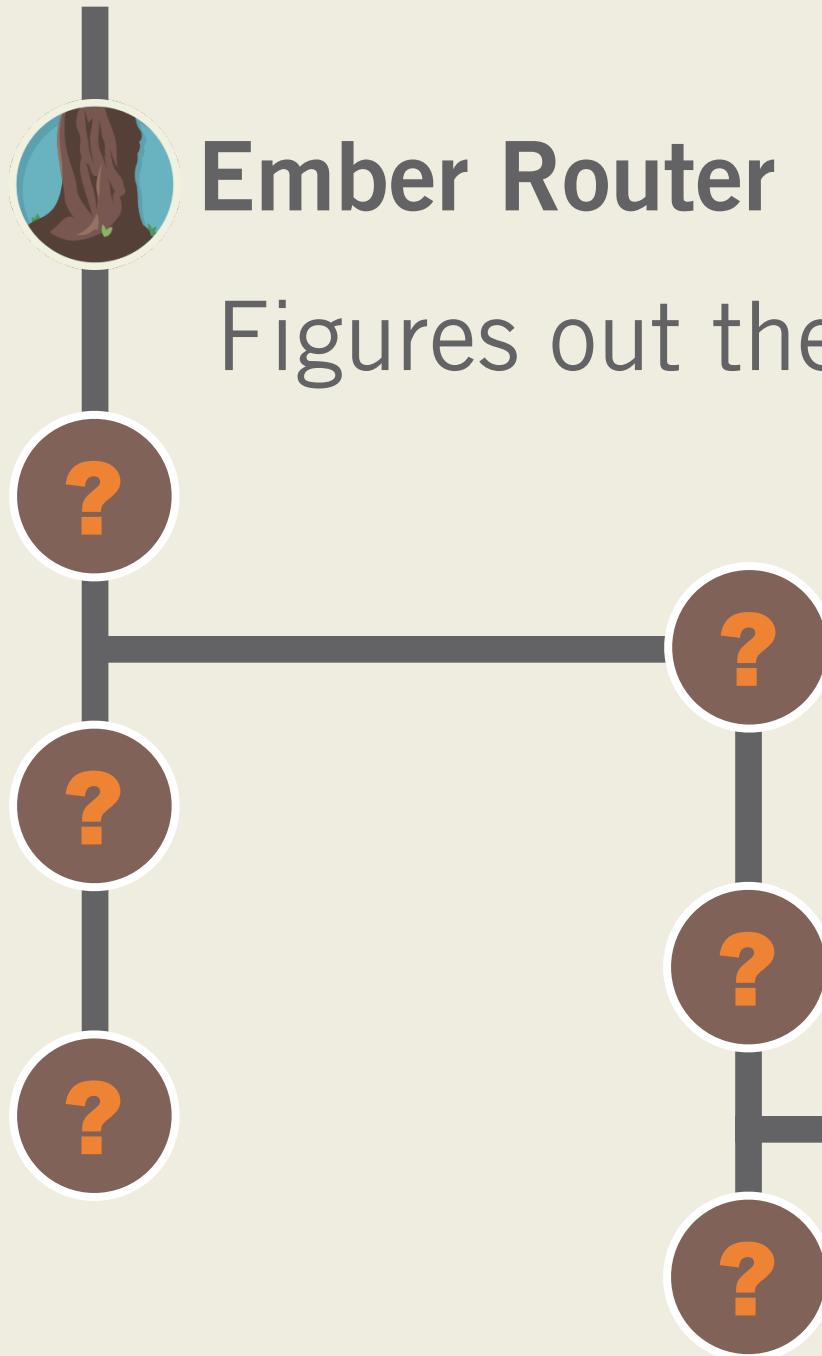
This is our Router icon

Translates a path into a route.
Like a tree trunk — all requests start here.



Routing Our Way In

Browser Request



Ember Router

Figures out the route name for each request

Handlebars Template



Introducing the Router

app.js

```
var App = Ember.Application.create({  
  LOG_TRANSITIONS: true  
});  
  
App.Router.map(function() {  
  ...  
});
```

Every page for our website will be defined by the router.



How can we render the ‘about’ template?

app.js

```
App.Router.map(function() {  
  ...  
});
```

index.html

```
<script type='text/x-handlebars' data-template-name='application'>  
...  
  {{outlet}}  
...  
</script>  
  
<script type='text/x-handlebars' data-template-name='about'>  
  <h1>About The Fire Spirits</h1>  
</script>
```



The about Route

app.js

```
App.Router.map(function() {  
  this.route('about');  
});
```



URL

http://example.com#/about

Path

/about

Route

about

When an outlet is found, ‘about’ template is loaded into it.

```
<script type='text/x-handlebars' data-template-name='application'>  
...  
  {{outlet}} ←  
...  
</script>  
  
<script type='text/x-handlebars' data-template-name='about'>  
  <h1>About The Fire Spirits</h1>  
</script>
```



The logo for Flint & Flame, featuring a circular icon with a stylized flame and a small circle above it, followed by the brand name in a serif font.

[Home](#) [About](#)

Welcome to The Flint & Flame!

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Credits

Elements Resources Network Sources Timeline Profiles Audits Console Ember

DEBUG: -----

ember-1.0.0.js?body=1:394

DEBUG: Ember.VERSION : 1.0.0

ember-1.0.0.js?body=1:394

DEBUG: Handlebars.VERSION : 1.0.0

ember-1.0.0.js?body=1:394

DEBUG: jquery-VERSTON : 1.10.2

ember=1.0.0.js?body=1:394

DEBUG: -----

ember-1.0.0.js?body=1:394

Transitioned into 'index'

ember-1-0-0.js?body=1:394

7



<top frame>



<page context>



AII

Errors

War A 10

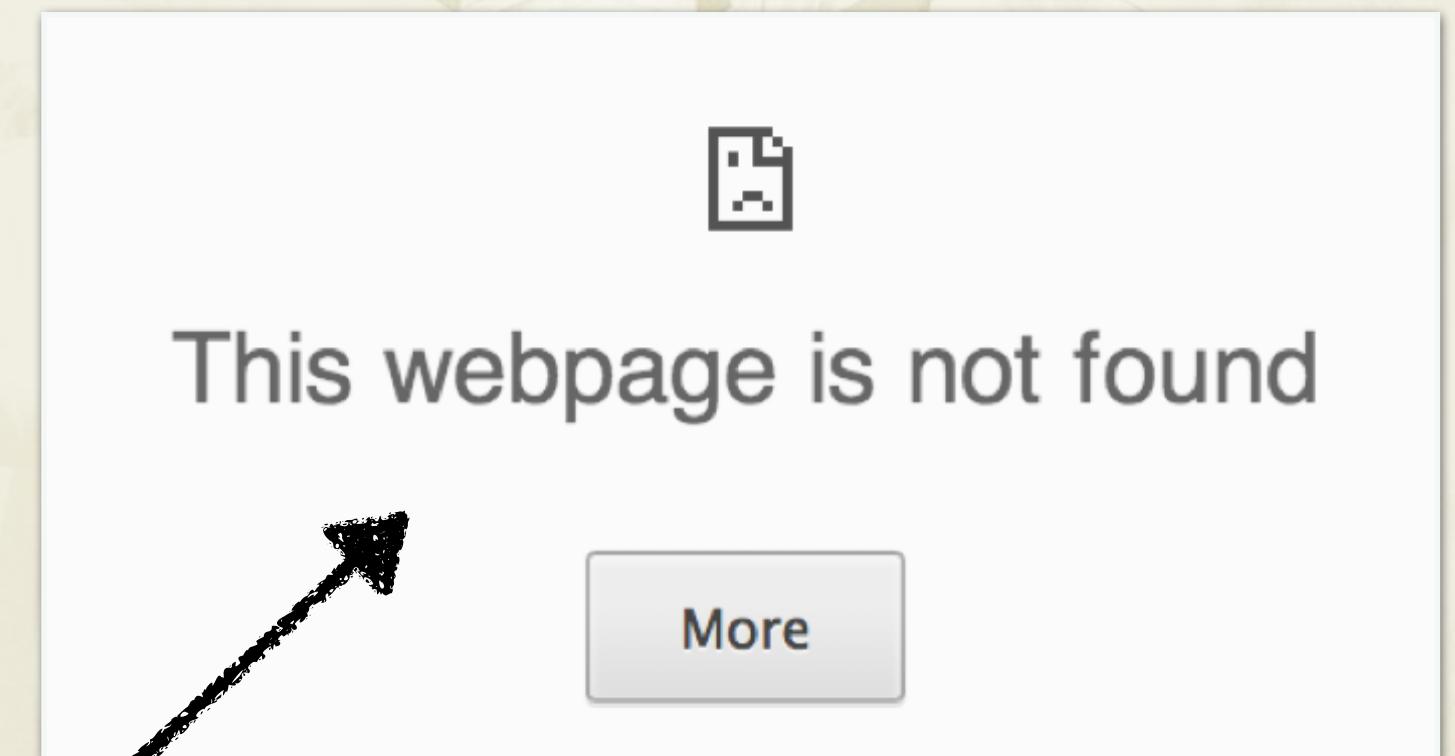


What's with the Hash Sign?

<http://example.com#/about>



<http://example.com/about>



There is no 'about/index.html' or 'about' file
path our application knows about



Where our Application Exists

In Ember.js, our entire application is loaded through **one file**.

In our case *index.html* which is loaded from <http://example.com>

No matter what page we load...

- Homepage
- About Page
- Product List

...we will have first called up *index.html*

This loads up all our templates!



All Templates Sent!



In Ember.js, all our templates are sent over when the application loads.

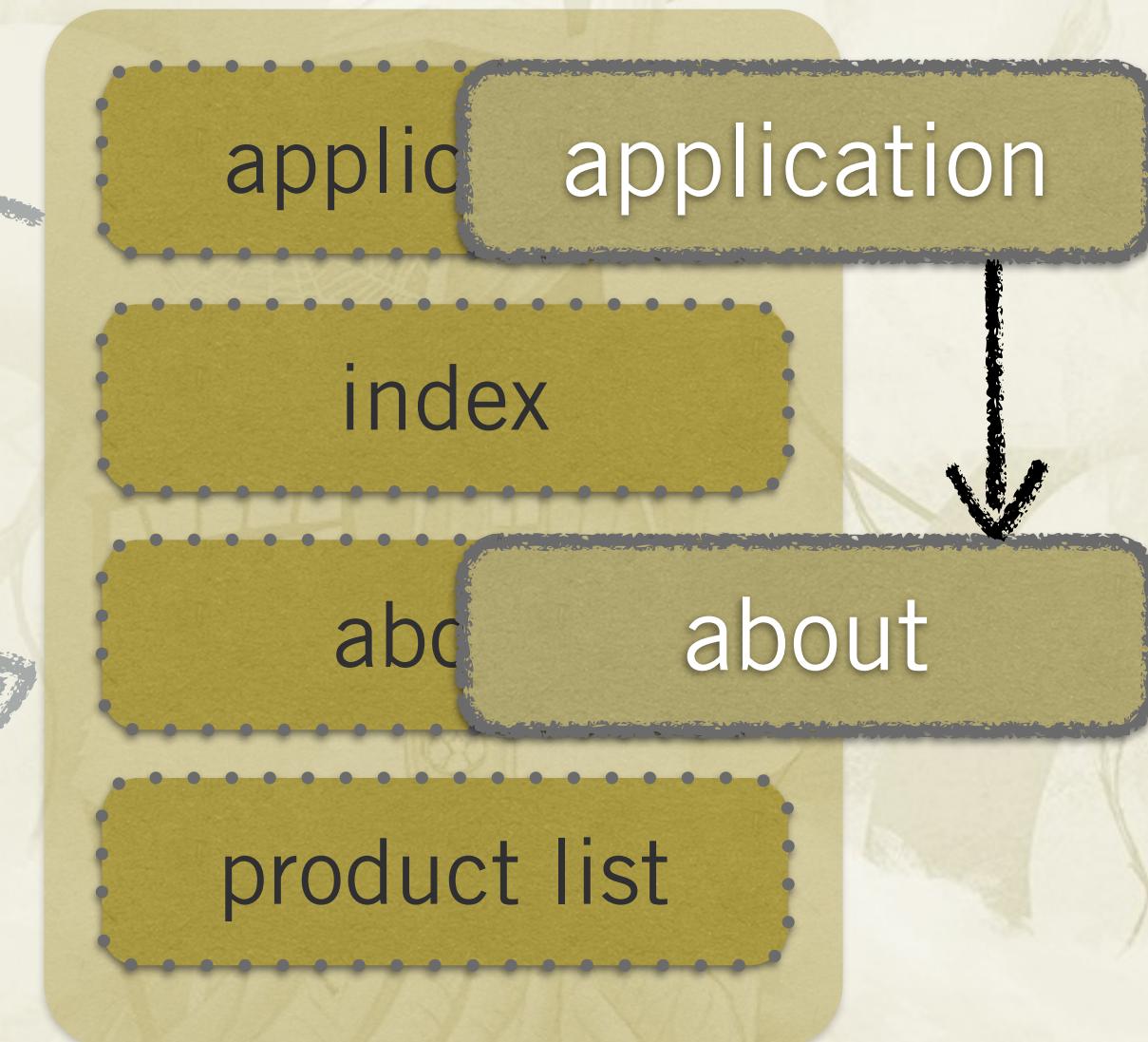
Server



Initial Request



Client Browser



Everything Sent



What does the hash say?

http://example.com#/about



Loads '' or root file path

When a browser see's this it knows the file path information is over

http://example.com/about

Loads 'about' file path

http://example.com/store#/shopping_cart

Loads 'store' file path



Back to Our About Route

app.js

```
App.Router.map(function() {  
  this.route('about');  
});
```



URL http://example.com#/about

File Path <none>

Ember Path /about

Route about

What if we want the '/aboutus' path to use the about route?



Using '/aboutus' custom path

app.js

```
App.Router.map(function() {  
  this.route('about', { path: '/aboutus' } );  
});
```

URL	http://example.com#/aboutus
Ember Path	/aboutus
Route	about



About The Fire Spirits



What about the Index Route?

app.js

```
App.Router.map(function() {  
  this.route('about', { path: '/aboutus' } );  
 ?  
});
```

URL <http://example.com>

Ember Path <none>

Route index

```
this.route('index', { path: '' });
```

?



No! This is a Default

app.js

```
App.Router.map(function() {  
  this.route('about', { path: '/aboutus' } );  
});
```



URL <http://example.com>

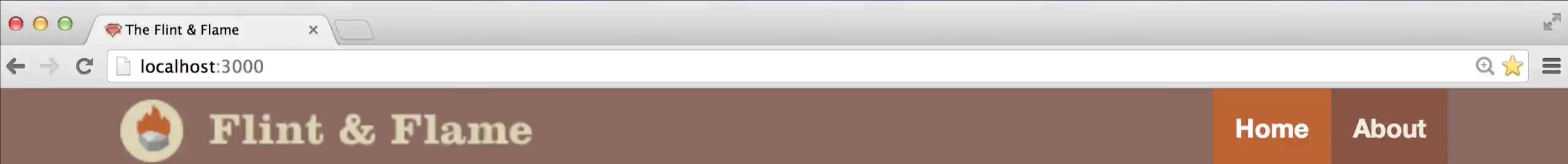
Ember Path <none>

Route index

```
this.route('index', { path: '' } );
```

Default Behavior!





Welcome to The Flint & Flame!

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[ember-1.0.0.js?body=1:394](#)

DEBUG: -----

[ember-1.0.0.js?body=1:394](#)

Transitions into 'index'

[ember-1.0.0.js?body=1:394](#)

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