Warming Up With ember.js

Level 6 - The Template Forest

View Objects

The Flint & Flame

localhost:3000/#/products/1

Flint & Flame

Home About Products

- Birch Bark Shaving
- Bow Drill
- Flint
- Kindling
- Matches
- Tinder

Flint

$99

Flint is a hard, sedimentary cryptocrystalline form of the mineral quartz, categorized as a variety of chert.

Reviews

- Started a fire in no time!
- Not the brightest flame, but warm!

Credits

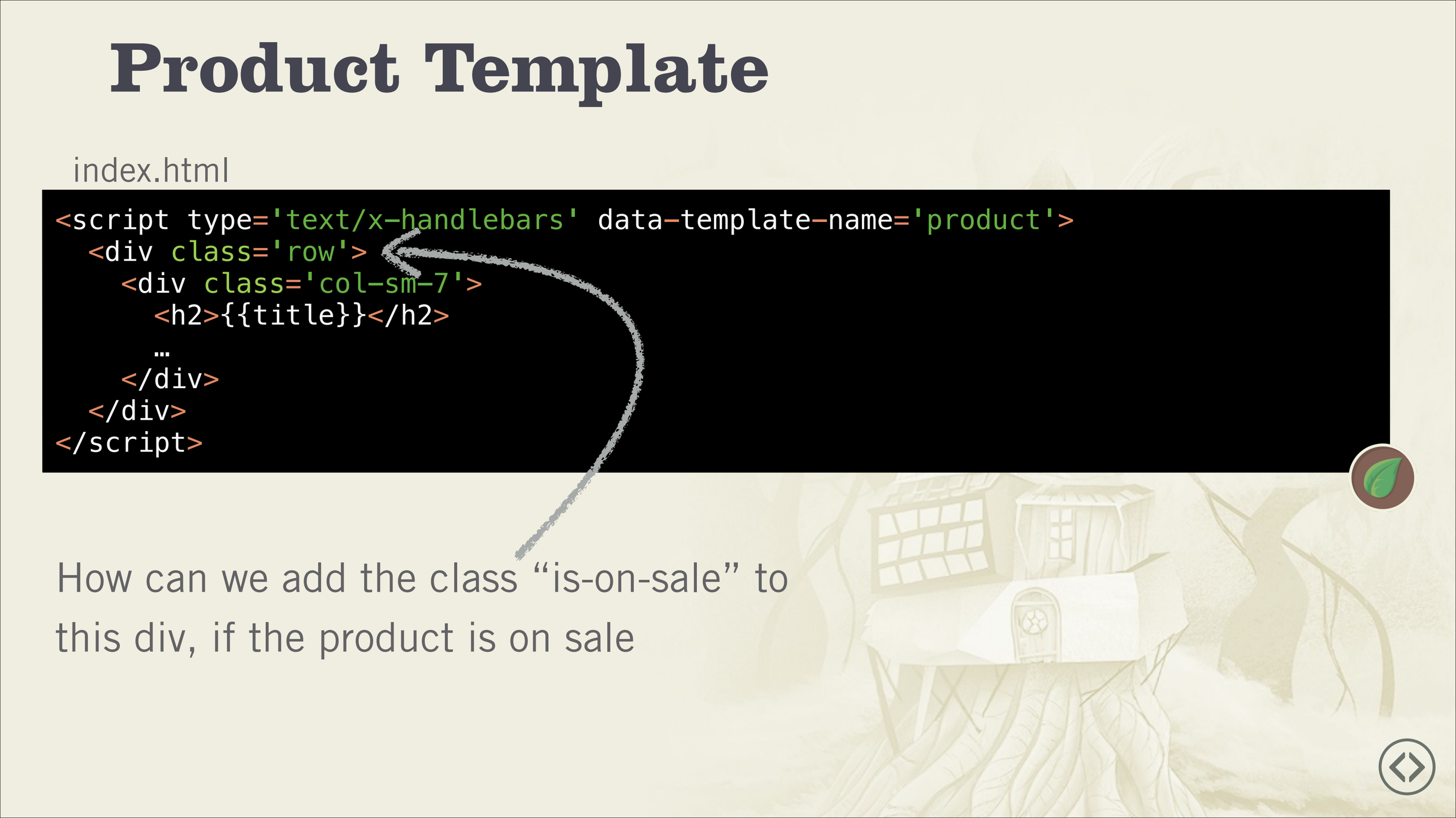
No indicator this product is on sale. How about adding CSS class and doing some styling?

Product Template

index.html

```
<script type='text/x-handlebars' data-template-name='product'>
  <div class='row'>
    <div class='col-sm-7'>
      <h2>{{title}}</h2>
      …
    </div>
  </div>
</script>
```

How can we add the class “is-on-sale” to this div, if the product is on sale



Ember View

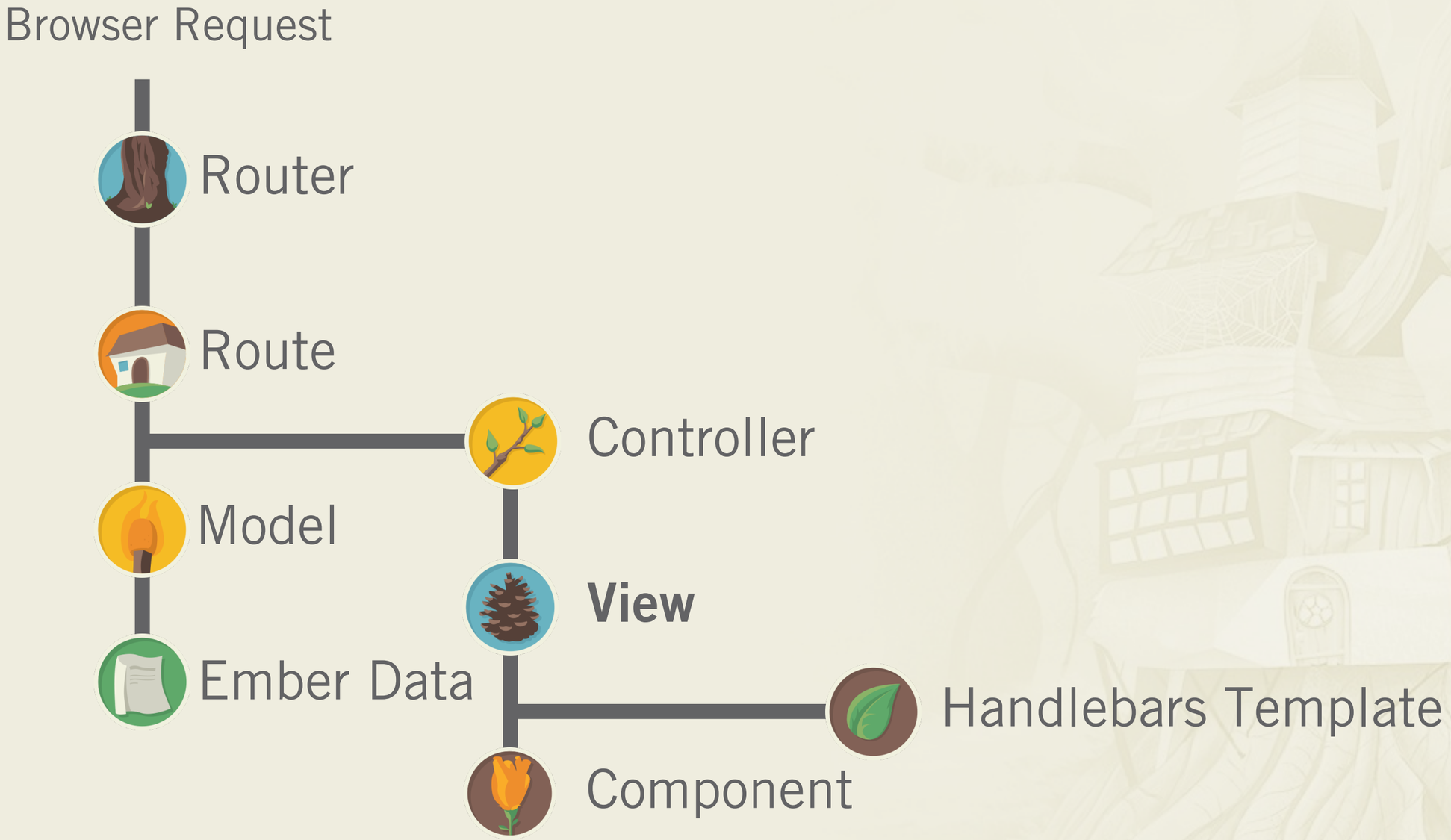
Responsible for encapsulating HTML content

Registering and responding to user-initiated events

Ember Component Extends from Ember View

Each Ember View will use this icon

Ember View


Browser Request
Router
Route
Controller
Model
View
Ember Data
Handlebars Template
Component

Ember View In a Request

Route

```
App.ProductRoute = Ember.Route.extend({});
```

Controller

```
App.ProductController = Ember.Controller.extend({});
```

View

```
App.ProductView = Ember.View.extend({});
```

Template

```
data-template-name='product'
```

Product Root Element

index.html

```
<script type='text/x-handlebars' data-template-name='product'>
  <div class='row'>
    …
  </div>
</script>
```

Remember how the template is creating a div for us?

```
<div class='ember-view' id='ember432'>
  <div class='row'>
    …
  </div>
</script>
```

output

We can define a View to set the proper classes on a template's div

"row" and optionally "is-on-sale"

Product View Object

index.html

```
<script type='text/x-handlebars' data-template-name='product'>
 …
</script>
```

app.js

```
App.ProductView = Ember.View.extend({
  classNames: ['row']
});
```

Can alter properties including tag, class, which template it should render and more

View Class Names

Looks for isOnSale property on the controller, doesn't find it, so looks in the model

Views can access the model through the controller

app.js

```
App.ProductView = Ember.View.extend({
  classNames: ['row']
  classNameBindings: ['isOnSale'],
  isOnSale: Ember.computed.alias('controller.isOnSale')
});
```

Will check the isOnSale view property, and if true add the class of is-on-sale to the div

The Flint & Flame

localhost:3000/#/products/1

Flint & Flame

Home About Products

div#ember369.ember-view.row.is-on-sale 705px × 256px

Birch Bark Shaving

Bow Drill

Flint

Kindling

Matches

Flint

$99

Flint is a hard, sedimentary cryptocrystalline form of the mineral quartz, categorized as a variety of chert.

Reviews

Elements Resources Network Sources Timeline Profiles Audits Console Ember

```
▶ <div class="col-sm-3">…</div>
▼ <div class="col-sm-9">
    <script id="metamorph-15-start" type="text/x-
    placeholder"></script>
  ▶ <div id="ember369" class="ember-view row is-on-sale">
  …</div>
    <script id="metamorph-15-end" type="text/x-
    placeholder"></script>
  </div>
```

Styles Computed »

```
element.style {
}
media="screen"                    (index)
.row  bootstrap.css?body=1:694
{
    margin-left: -15px;
```

… div div div#ember369.ember-view.row.is-on-sale … 11