Warming Up With

ember.js

Level 6 - The Template Forest

Component Objects

Review

index.html

```
<script type='text/x-handlebars' data-template-name='products/onsale'>
  <ul>
    {{#each}}
      {{product-details product=this tagName='li' classNames='row'}}
    {{/each}}
  </ul>
</script>

<script type='text/x-handlebars' data-template-name='components/product-details'>
  …
  <h2>{{product.title}}</h2>
  …
</script>
```

We split out a product into a component and reused it

Adding Functionality to our Template

index.html

```
<script type='text/x-handlebars' data-template-name='components/product-details'>
  …
  {{#if hasReviews}}
    <p class='text-muted'>Read all reviews ({{reviewsCount}}).</p>
  {{/if}}
</script>
```

How do we add properties for **hasReviews**

and **reviewsCount** to our component?

Component Objects

index.html

```
{{product-details product=this tagName='li' classNames='row'}}
```

first looks for

then renders

Component Object

App.ProductDetailsComponent

Component Template

components/product-details

This is where we can set properties!

Component Object Properties

We can create properties on the component object, just like a controller.

index.html

```
{{product-details product=this tagName='li' className='row'}}
```

app.js

```
App.ProductDetailsComponent = Ember.Component.extend({
  reviewsCount: Ember.computed.alias('product.reviews.length'),
  hasReviews: function() {
    return this.get('reviewsCount') > 0;
  }.property('reviewsCount')
});
```

uses the passed in product

Watch reviewsCount property, and if it changes
run this function and update the template

Using Properties In Component Templates

app.js

```javascript
App.ProductDetailsComponent = Ember.Component.extend({
  reviewsCount: Ember.computed.alias('product.reviews.length'),
  hasReviews: function() {
    return this.get('reviewsCount') > 0;
  }.property('reviewsCount')
});
```
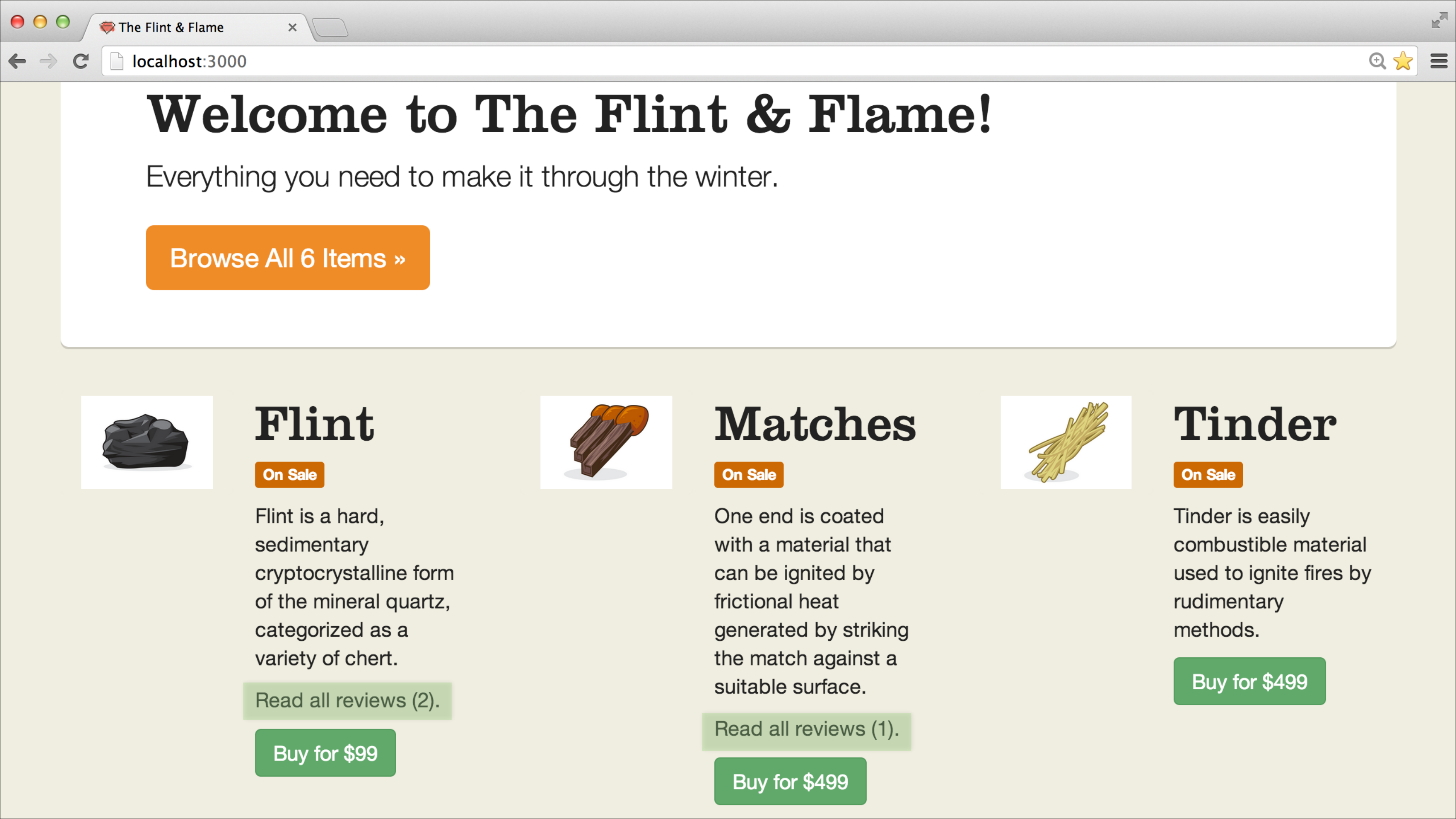
index.html

```html
<script type='text/x-handlebars' data-template-name='components/product-details'>
  …
  {{#if hasReviews}}
    <p class='text-muted'>Read all reviews ({{reviewsCount}}).</p>
  {{/if}}
</script>
```

The template will look in the component for properties

localhost:3000

Welcome to The Flint & Flame!

Everything you need to make it through the winter.

Browse All 6 Items »

Flint

On Sale

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

Read all reviews (2).

Buy for $99

Matches

On Sale

One end is coated with a material that can be ignited by frictional heat generated by striking the match against a suitable surface.

Read all reviews (1).

Buy for $499

Tinder

On Sale

Tinder is easily combustible material used to ignite fires by rudimentary methods.

Buy for $499

Passing Component Objects Properties

index.html

```
{{product-details product=this tag='li' class='row'}}
```

We can also set attributes inside this new class

index.html

```
{{product-details product=this}}
```

app.js

```
App.ProductDetailsComponent = Ember.Component.extend({
  tagName: 'li',
  classNames: ['row']
});
```