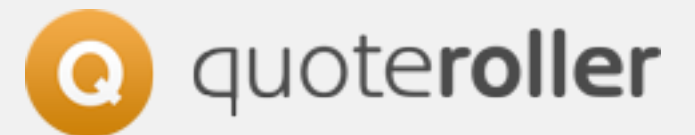
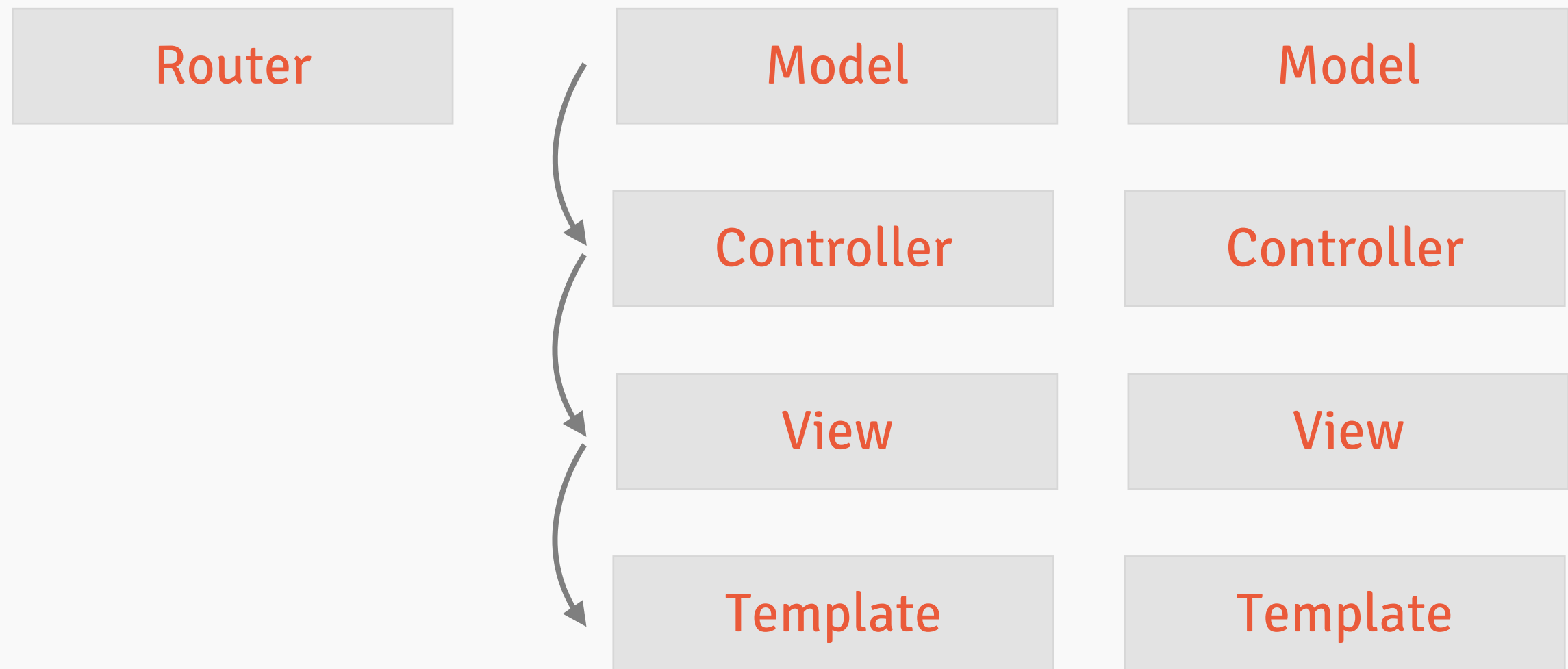


Building rich one-page applications with Ember.js

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Concepts



Models

Router

Model

Model

Controller

Controller

View

View

Template

Template

Models

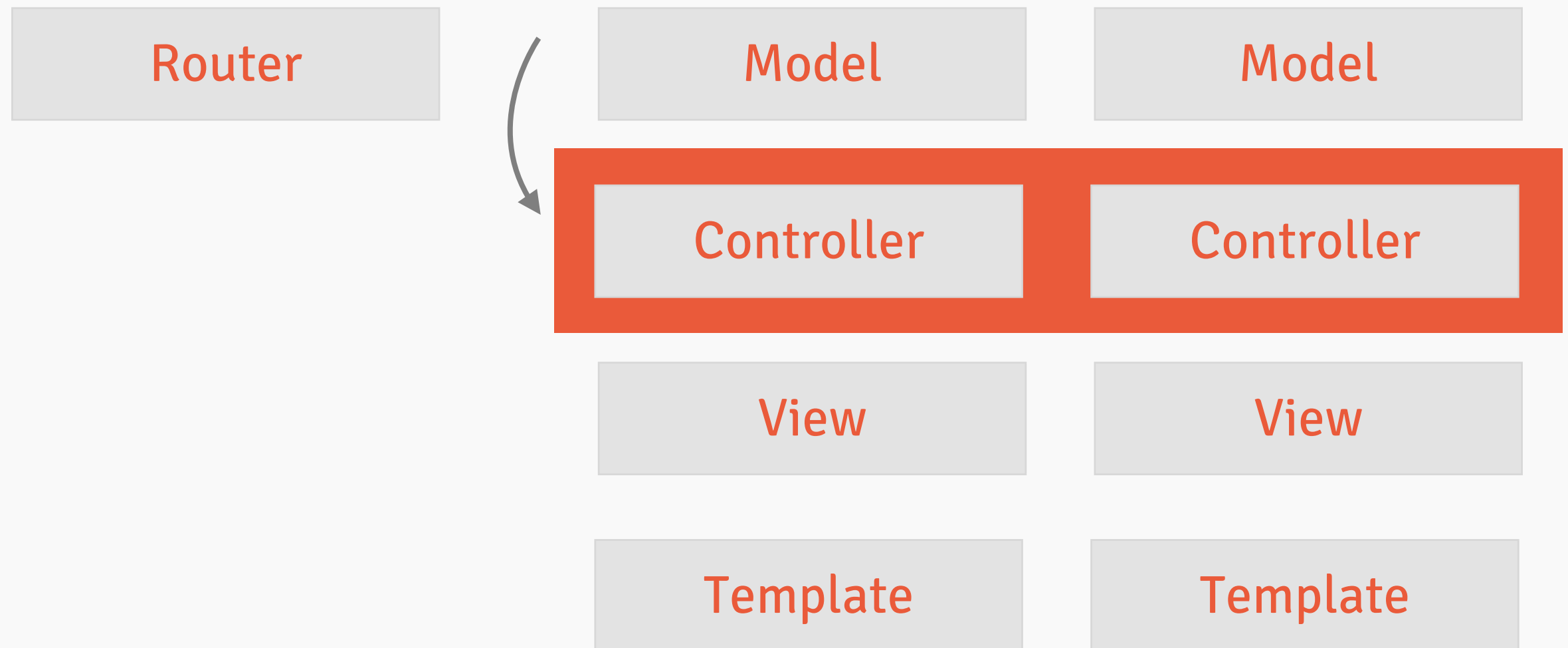
- ember-data
- DS.Store
- DS.RESTAdapter & DS.BasicAdapter

Models

```
1 App.Person = DS.Model.extend({  
2   firstName: DS.attr('string'),  
3   lastName: DS.attr('string'),  
4   birthday: DS.attr('date'),  
5  
6   fullName: function() {  
7     return this.get('firstName') + ' ' + this.get('lastName');  
8   }.property('firstName', 'lastName')  
9 });
```

JS

Controllers



Controllers

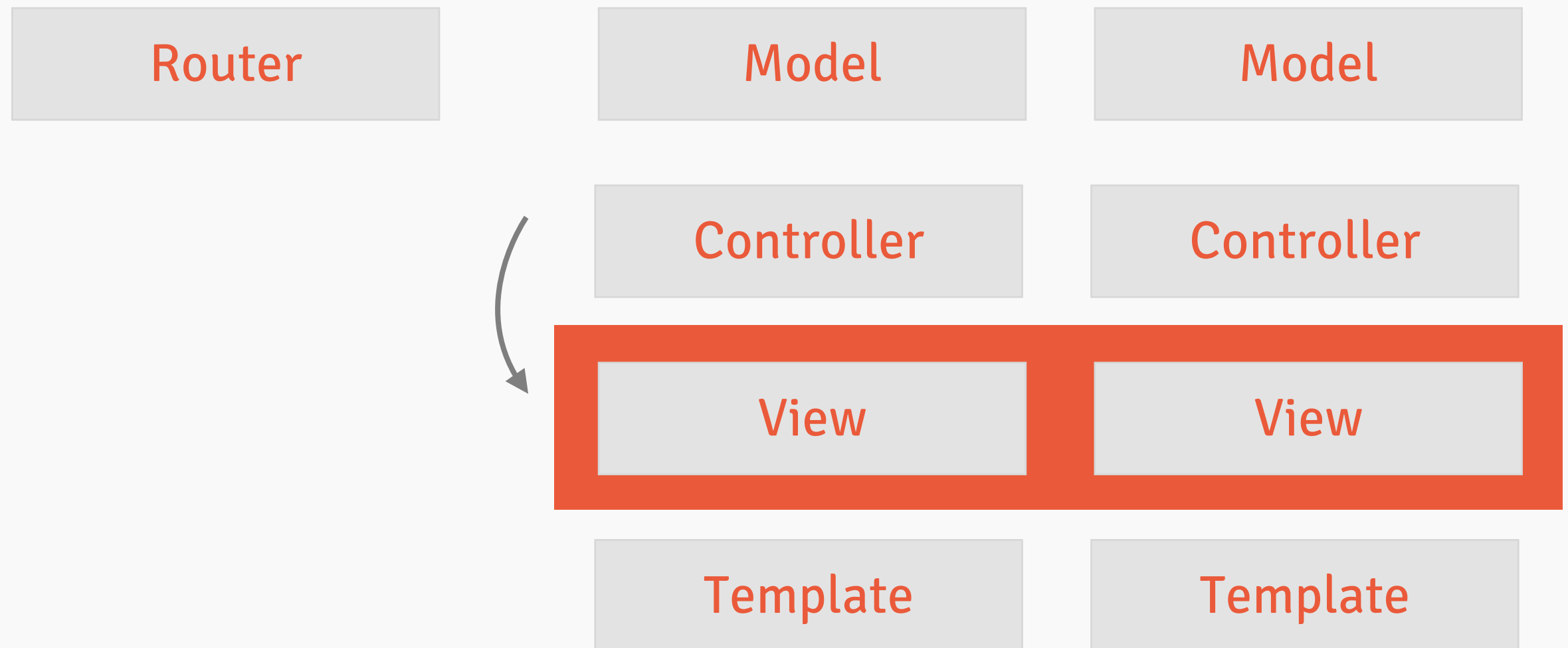
- Present data for view layer to render
- Expose bindable properties
- Work like a proxy for models
- ObjectController, ArrayController

Controllers

```
1 App.SongsController = Ember.ArrayController.extend({
2   longSongCount: function() {
3     var longSongs = this.filter(function(song) {
4       return song.get('duration') > 30;
5     });
6     return longSongs.get('length');
7   }.property('@each.duration')
8 });
```

JS

Views



Views

- When you need sophisticated handling of user events
- When you want to create a re-usable component

Views

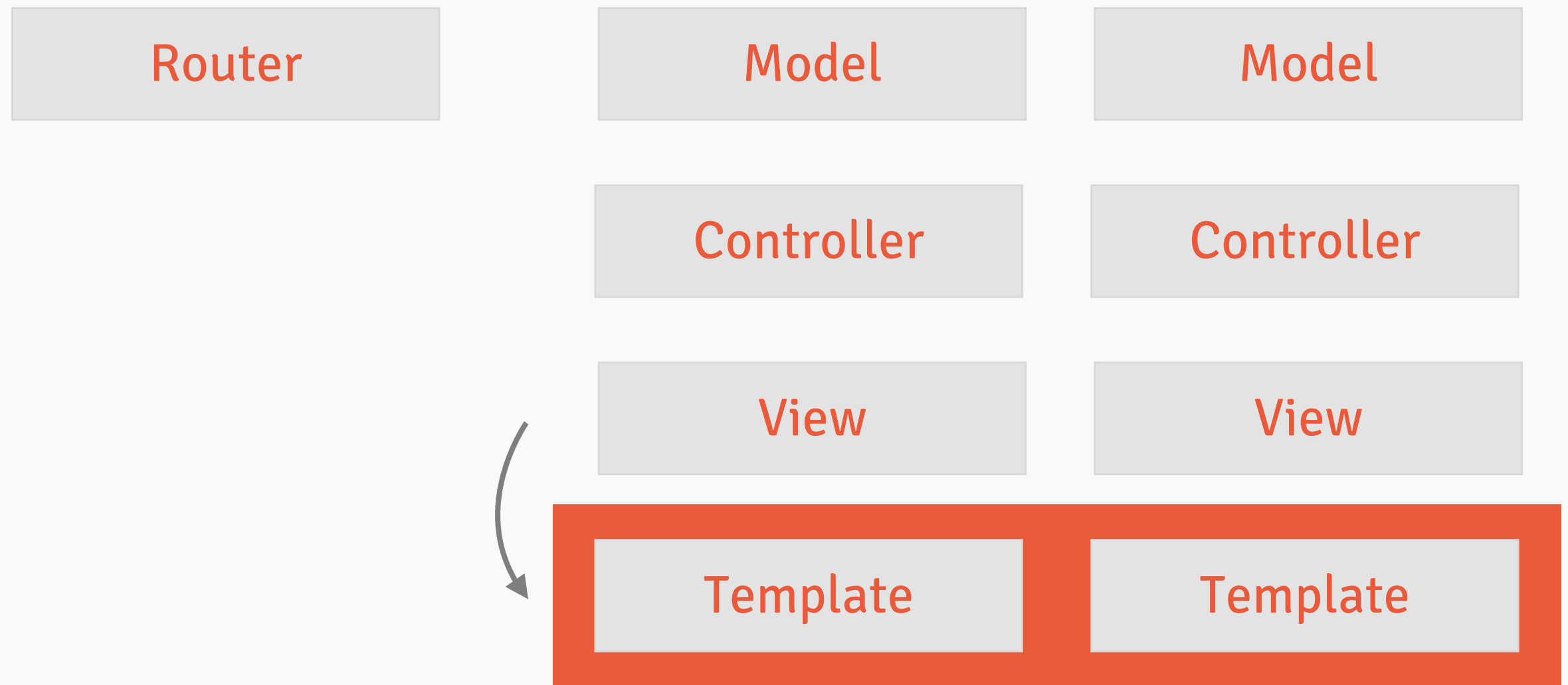
```
1 // Define parent view
2 App.UserView = Ember.View.extend({
3   templateName: 'user',
4
5   firstName: "Albert",
6   lastName: "Hofmann"
7 });
8
9 // Define child view
10 App.InfoView = Ember.View.extend({
11   templateName: 'info',
12
13   posts: 25,
14   hobbies: "Riding bicycles"
15 });
```

JS

```
1 User: {{view.firstName}} {{view.lastName}}
2 {{view App.InfoView}}
```

HBS

Templates



Templates

```
1 Hello, <strong>{{firstName}} {{lastName}}</strong>!
```

HBS

```
1 {{#if person}}
2   Welcome back, <b>{{person.firstName}} {{person.lastName}}</b>!
3 {{else}}
4   Please log in.
5 {{/if}}
```

HBS

```
1 <ul>
2   {{#each people}}
3     <li>Hello, {{name}}!</li>
4   {{/each}}
5 </ul>
```

HBS

Router

Router

Model

Model

Controller

Controller

View

View

Template

Template

Router

- Manages application state
- Keeps the state up to date with the URL

Router

```
1 App.Router.map(function() {  
2   this.resource('posts', function() {  
3     this.route('new');  
4   });  
5 });
```

JS

URL	Route Name	Controller	Route	Template
/	index	IndexController	IndexRoute	index
N/A	posts ¹	PostsController	PostsRoute	posts
/posts	posts.index	PostsController ↳ PostsIndexController	PostsRoute ↳ PostsIndexRoute	posts ↳ posts/index
/posts/new	posts.new	PostsController ↳ PostsNewController	PostsRoute ↳ PostsNewRoute	posts ↳ posts/new

Let's code!

goo.gl/KKV8F

Next steps

- emberjs.com & @emberjs
- emberwatch.com & @emberwatch
- stackoverflow.com
- <https://github.com/discourse/discourse>

Looking for a JS/Frontend ninja.

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