Express View Templates with Handlebars.js

Questions

- What is Handlebars?
- What is a template?
- How does express use a template?
- How do you pass information to a template?
- What is res.render?
- How do you show a variable in a template?
- How do you loop in a template?
- What is layout.hbs for?

Handlebars



handlebars



Handlebars provides the power necessary to let you build **semantic templates** effectively with no frustration.

Handlebars is largely compatible with Mustache templates. In most cases it is possible to swap out Mustache with Handlebars and continue using your current templates. Complete details can be found here.

Installation

Getting Started

Handlebars templates look like regular HTML, with embedded handlebars expressions.

Mustache



Logic-less templates.

Available in Ruby, JavaScript, Python,
Erlang, node.js, PHP, Perl, Perl6, ObjectiveC, Java, C#/.NET, Android, C++, CFEngine,
Go, Lua, ooc, ActionScript, ColdFusion,
Scala, Clojure[Script], Fantom, CoffeeScript,
D, Haskell, XQuery, ASP, Io, Dart, Haxe,
Delphi, Racket, Rust, OCaml, Swift, Bash,
Julia, R, Crystal, Common Lisp, Nim,
Smalltalk, Tel. C, and for ABAP

"logic-less templates"

- for displaying data
- not for your application code

An example template

```
<h1>Hey Everybody!</h1>
<h2>Templates</h2>

are basically HTML
but can do more
```

Really?

Providing data to a template

```
router.get('/:id', function(req, res, next) {
    Member.findOne({
        where: {
            id: req.params.id
        }
    })
    .then((result) => {
        console.log(result);
        res.render('member-profile', {
            member: result
        });
    });
});
```

Grabbing data from "object paths"

```
<h1>{{ member.surname }}, {{ member.firstname }}</h1>
Address: {{member.address}}

Zip Code: {{member.zipcode}}
Telephone: {{member.telephone}}
```

Comments

```
{{! This is just a comment. }}
```



Providing a collection (an array)

```
router.get('/', function(req, res, next) {
    Member.findAll()
    .then((result) => {
        res.render('member-list', {
            members: result
        });
    });
});
```

#each

```
{#each members}
<hl>{surname}}, {{firstname}}</hl>
     Address: {{address}}

     Zip Code: {{zipcode}}

     Telephone: {{telephone}}

{/each}}
```

Accessing parent paths within a helper block

```
router.get('/', function(req, res, next) {
    Member.findAll()
    .then((result) => {
        res.render('member-list', {
            members: result,
            homeLink: 'https://the.club/'
        });
    });
});
```

"If I'm looping through members how do I access homeLink?"

#each

```
{#each members}}
<h1>{{surname}}, {{firstname}}</h1>

    Address: {{address}}

    Zip Code: {{zipcode}}

    Telephone: {{telephone}}

<a href="{{../homeLink}}">Return to the.club</a>

{/each}}
```

../ refers to the parent object

#if

```
<h1>{{ member.surname }}, {{ member.firstname }}</h1>
{{ #if member.address}}

   Address: {{member.address}}

{{/if}}
{{ #if member.zipcode}}

   Zip Code: {{member.zipcode}}

{/if}}
{{ #if member.telephone}}

Telephone: {{member.telephone}}

{/if}}
```

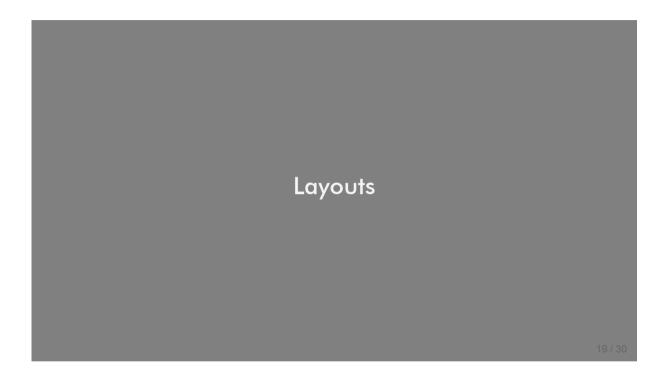
#unless

```
<h1>{{ member.surname }}, {{ member.firstname }}</h1>
{{#unless member.bookings}}
Make your first booking!
{{/unless}}
```

#with

```
{#with member}
<hl><hl>{{ surname }}, {{ firstname }}</hl>
Address: {{address}}

Zip Code: {{zipcode}}
Telephone: {{telephone}}
{/with}}
```



Default layout: layout.hbs

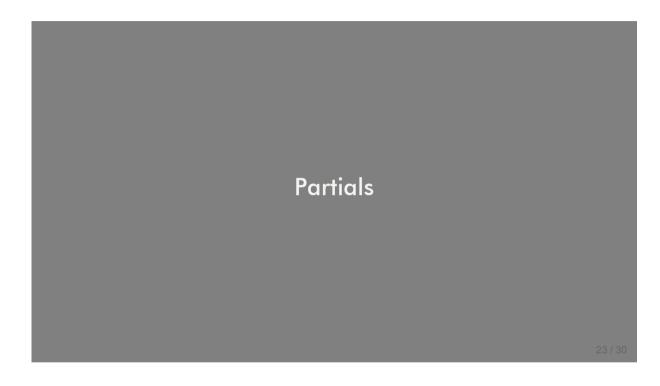
You can customize the HTML skeleton

home.hbs

```
<!DOCTYPE html>
<html>
  <head>
    <title>{{title}}</title>
    <link rel="stylesheet" href="/stylesheets/style.css" />
    </head>
    <body>
    <h1>yeah boyee</h1>
    {{body}}}
    </body>
    </html>
```

Using a layout file

```
router.get('/', function(req, res, next) {
  res.render('index', {
    layout: 'home',
    title: 'Express',
  });
});
```



express-handlebars

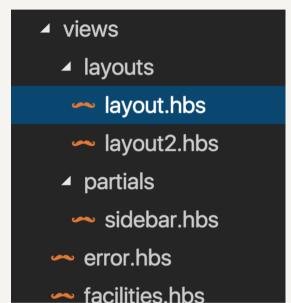
More powerful than the builtin one

npm install --save express-handlebars

Using express-handlebars

```
var expressHbs = require('express-handlebars');
//app.set('views', path.join(__dirname, 'views'));
app.engine('.hbs', expressHbs({defaultLayout: 'layout', extname: '.hbs'}));
app.set('view engine', '.hbs');
```





Sidebar.hbs

Home.hbs

```
<!DOCTYPE html>
<html>
<head>
<title>{{title}}</title>
<link rel='stylesheet' href='/stylesheets/style.css' />
</head>
<body>
<hl>yeah boyee</hl>
{{body}}
{{body}}
<htspace body>
<hl>yeah boyee</hl>
{{body}}
</html>
```

Partials are included with {{> (name-of-partial)}}

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