### Handlebars 2

Website Development 2

### Handlebars 2

- Custom Helpers
- Partials
- Adding New Data

### Custom Helpers

- Handlebars has some built in helpers such as #each, #if, etc...
- Handlebars also gives you the ability to create your own custom helper by writing code to do something that you want (like converting names to sentence case).
- Simply register your function into Handlebars, and any template you compile afterwards can access your helper.
- Custom block helpers are also registered with the Handlebars.registerHelper method.

## Custom Helpers Example One

```
Handlebars.registerHelper('upper', function(str) {
    return str.toUpperCase();
});

Create the Helper
```

```
    {#each people}}
    {{upper name}} - {{../group}}
    {{/each}}}

    Reference
    the Helper
    (upper) in
    the template
```

## Custom Helpers Example One

## Custom Helpers Example One

- ALAN MURPHY Bloggers
- ALLISON DOYLE Bloggers
- · RYAN SMITH Bloggers

```
Handlebars.registerHelper('calculateScore', function(score) {
   var total=0;
   for (i in score) {
      total+=score[i];
   }
   var avg=Math.round(total/score.length);
   return avg;
});
```

```
<thead>
 Name
 Average Score
</thead>
{{#each this}}
  \leq tr \geq
  {{firstName}} {{lastName}}
  {{calculateScore score}}
  {{/each}}
```

Name	Average Score
Kapil Manish	42
Bruce Kasparov	50

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### **Partials**

- Partials come in handy when you have a chunk of a Handlebars.js template that you need to use in a few different contexts.
- The Handlebars.registerPartial method registers a partial.
- It takes the name of the partial as its first argument and either a template source string or a compiled template as its second argument.
- To use a partial from a template, simply include {{> partialName}}.

## Partials Example One

### **Register the Partial**

Handlebars.registerPartial("person", \$("#person-partial").html());

## Partials Example One

```
{{#each people}}
<h2>{{first_name}} {{last_name}}</h2>
{{> person}}
{{/each}}
```

Include (call) the Partial (person) in the template

JSON object

## Partials Example One

### **Handlebars Partials Example!**

#### Alan Johnson

Phone: 1234567890 <u>alan@test.com</u> User since Mar 25, 2011

#### Allison House

Phone: 0987654321 <u>allison@test.com</u> User since Jan 13, 2011

#### Nick Pettit

Phone: 9836592272 nick@test.com User since Apr 9, 2009

#### Jim Hoskins

Phone: 7284927150 jim@test.com

User since May 21, 2010

### Partials Example Two

```
Handlebars.registerPartial("dropdown", $("#dropdown-partial").html());
```

## Partials Example Two

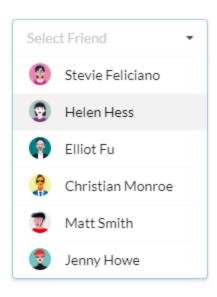
```
<script id="cards" type="text/x-handlebars-template">
{{> dropdown}}
{{#each this}}
<div class="ui card" id ={{name}}>
  <div class="image">
    <img src={{image}}>
  </div>
  <div class="content">
    <a class="header">{{capitalise fullname}}</a>
    <div class="meta">
      <span class="date">Joined in {{joined}}</span>
    </div>
    <div class="description">
      {{name}} is {{job}} in {{city}}
    </div>
  </div>
  <div class="extra content">
    <a>>
      <i class="user icon"></i></i></or>
      {{mates}} Friends
    </a>
  </div>
</div>
{{/each}}
</script>
```

## Partials Example Two

### Which Friend?



### Which Friend?



### Which Friend?



### Handlebars 2

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- If you want to add data to a JSON object, you can create a form with text boxes, select options, option buttons, etc.. and a submit button.
- The submit button will package the data and send it for processing.
- Code will need to be written to handle (process) the submit event.

- The code to handle the submit event will take the data (name/value pairs) and put it into an object.
- This new object is then added (pushed) onto the JSON object.

```
const dept = {
    title: "Sales",
    employee :[
            'id':1.
            'firstname': "Fred",
            'lastname': "Bloggs",
            'county':'Kilkenny'.
            'email':'fbloggs@gmail.com'
        },
            'id':2,
            'firstname': "Katy",
            'lastname': "Malone".
            'county':'Waterford'.
            'email':'kmalone@gmail.com'
        },
            'id':3.
            'firstname': "Sam".
            'lastname': "Dunne",
            'county':'Waterford',
            'email':'samdunne@gmail.com'
```

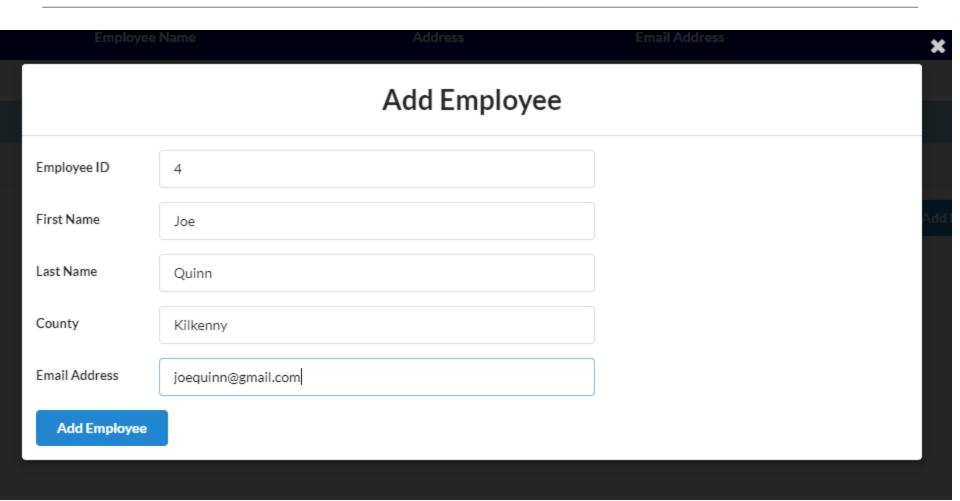
```
newemp= {
   id:$('#id').val(),
   firstname:$('#firstname').val(),
   lastname:$('#lastname').val(),
   county:$('#county').val(),
   email:$('#email').val()
}
dept.employee.push(newemp);
```

### Sales

Emp ID	Employee Name	Address	Email Address
1	Fred Bloggs	Kilkenny	fbloggs@gmail.com
2	Katy Malone	Waterford	kmalone@gmail.com
3	Sam Dunne	Waterford	samdunne@gmail.com

Add Employee

Employee	Name	Address	Email Address	>
		Add Employee		
Employee ID				
First Name				Ad
Last Name				
County				
Email Address				
Add Employee				



### Sales

Emp ID	Employee Name	Address	Email Address
1	Fred Bloggs	Kilkenny	fbloggs@gmail.com
2	Katy Malone	Waterford	kmalone@gmail.com
3	Sam Dunne	Waterford	samdunne@gmail.com
4	Joe Quinn	Kilkenny	joequinn@gmail.com

Add Employee