# HANDLEBARS 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**

```
<ul>
{{#each people}}
    <li>{{upper name}} - {{../group}}</li>
  {{/each}}
</ul>
```

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

# CUSTOM HELPERS EXAMPLE ONE

```
var data = [
var data = { people: [
    {name: "alan murphy"},
    {name: "Allison Doyle"},
    {name: "Ryan Smith"}
],
group: "Bloggers"
};
```

← **JSON object (data source)**

# CUSTOM HELPERS EXAMPLE TWO

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

# CUSTOM HELPERS EXAMPLE TWO

```html
<table border="1">
  <thead>
    <th>Name</th>
    <th>Total Score</th>
  </thead>
  <tbody>
    {{#each this}}
     <tr>
       <td>{{firstName}} {{lastName}}</td>
       <td>{{calculateScore score}}</td>
      </tr>
    {{/each}}
  </tbody>
</table>
```

# CUSTOM HELPERS EXAMPLE TWO

```javascript
var data = [
        {firstName: "Kapil",
         lastName:"Manish",
         score:[22, 34, 45, 67]
        },
        {firstName: "Bruce",
         lastName:"Kasparov",
         score:[10, 34, 67, 90]
        }
];
```

# 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

```html
<script id="person-partial" type="text/x-handlebars-template">
    <div>
      Phone: {{phone}}<br>
      <a href="mailto:{{email}}">{{email}}</a><br>
      User since {{member_since}}
    </div>
</script>
```
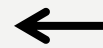
Partial template

Register the Partial

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

# PARTIALS EXAMPLE

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

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

**JSON object**

↓

```javascript
var data = {
  people: [
    { first_name: "Alan", last_name: "Johnson", phone: "1234567890", email: "alan@test.com", member_since: "Mar 25, 2011" },
    { first_name: "Allison", last_name: "House", phone: "0987654321", email: "allison@test.com", member_since: "Jan 13, 2011" },
    { first_name: "Nick", last_name: "Pettit", phone: "9836592272", email: "nick@test.com", member_since: "Apr 9, 2009" },
    { first_name: "Jim", last_name: "Hoskins", phone: "7284927150", email: "jim@test.com", member_since: "May 21, 2010" },
    { first_name: "Ryan", last_name: "Carson", phone: "8263729224", email: "ryan@test.com", member_since: "Nov 1, 2008" }
  ]
};
```

# ADDING NEW DATA

- If you want to add data to a JSON object, you can create a form with text boxes, select options, option buttons, etc.. <u>and</u> 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.

# ADDING NEW DATA

- 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.

# ADDING NEW DATA

## Sales

**Add Employee**

| 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 |

# ADDING NEW DATA



Sales

## Add Employee

Add Employee

| Emp ID | Employee Name | | ss |
|--------|---------------|---|-----|
| 1 | Fred Bloggs | | ail.com |
| 2 | Katy Malone | | nail.com |
| 3 | Sam Dunne | | gmail.com |

Employee ID

First Name

Last Name

County

Email
Address

Add Employee

# ADDING NEW DATA

Sales

## Add Employee

**Add Employee**

| Emp ID | Employee Name | | | ss |
|--------|---------------|---|---|-----|
| 1 | Fred Bloggs | | | ail.com |
| 2 | Katy Malone | | | nail.com |
| 3 | Sam Dunne | | | gmail.com |

Employee ID: 4

First Name: Joe

Last Name: Quinn

County: Kilkenny

Email Address: jquinn@gmail.com

Add Employee

# ADDING NEW DATA

## Sales

Add Employee

| 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 | jquinn@gmail.com |