HANDLEBARS 2

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- 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 ONE

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

CUSTOM HELPERS EXAMPLE TWO

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

CUSTOM HELPERS EXAMPLE TWO

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

CUSTOM HELPERS EXAMPLE TWO

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

CUSTOM HELPERS EXAMPLE TWO

Name	Average Score
Kapil Manish	42
Bruce Kasparov	50

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

```
<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

↓

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

PARTIALS EXAMPLE

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

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

JSON object

```
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" }
   ]
};
```

PARTIALS EXAMPLE

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.. 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.

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.

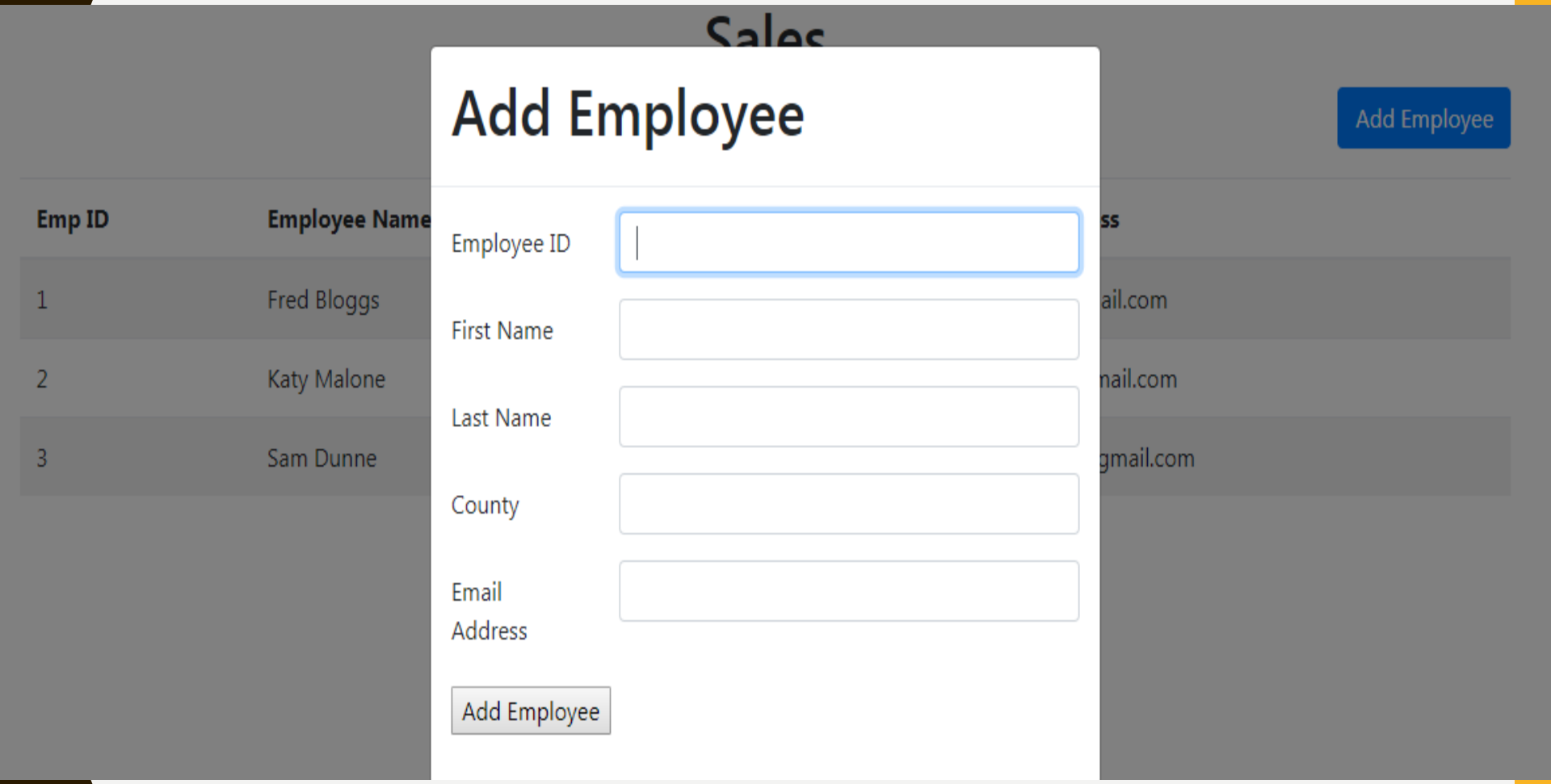
ADDING NEW DATA

Sales

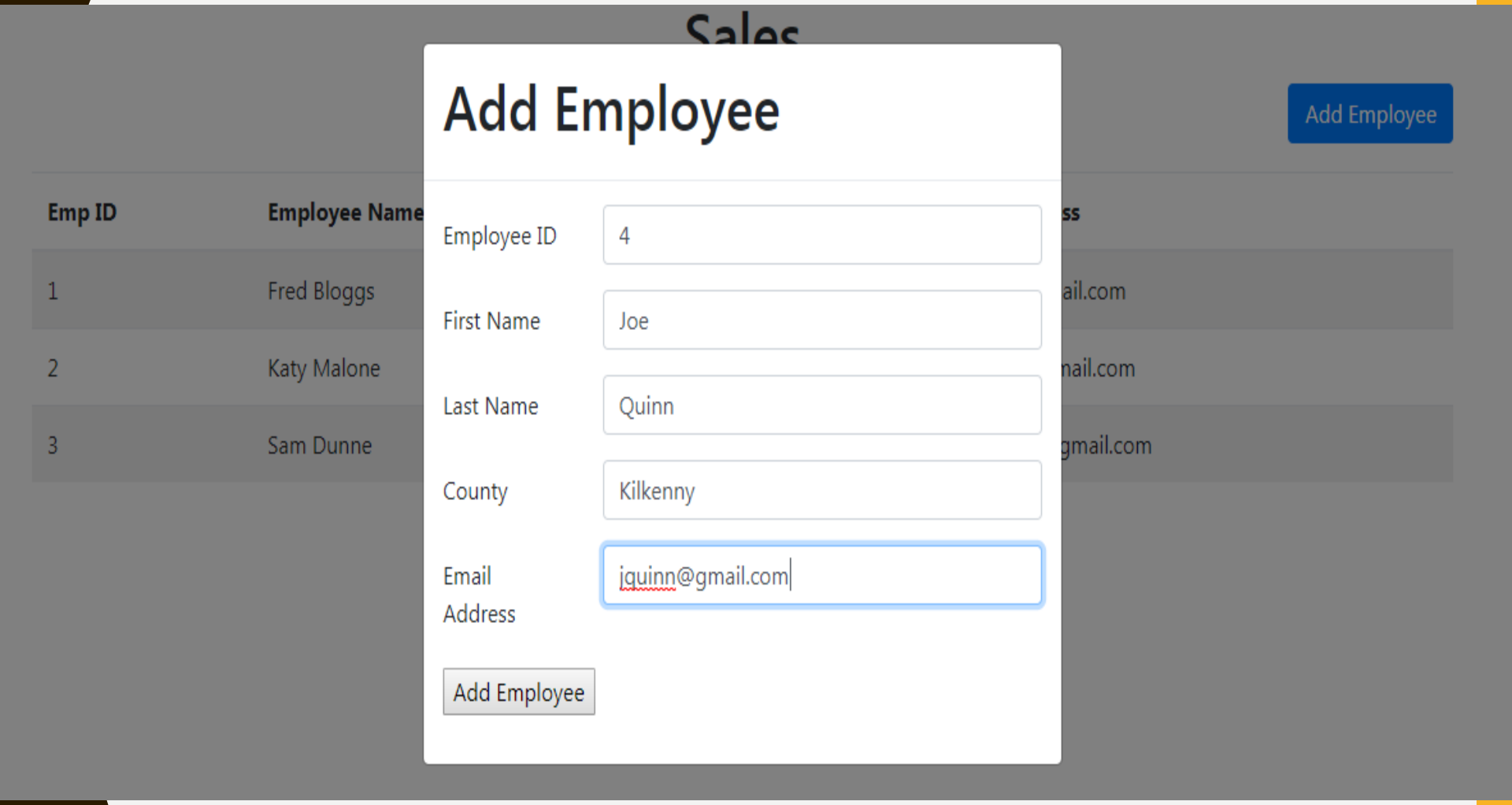
Add Employee

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



ADDING NEW DATA



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