

Back End

Front End

ORM

orm.js

```
53 create: function(table, cols, vals, cb) {
54   var queryString = "INSERT INTO " + table;
55
56   queryString += " (";
57   queryString += cols.toString();
58   queryString += ") ";
59   queryString += "VALUES (";
60   queryString += printQuestionMarks(vals.length);
61   queryString += ") ";
62
63   console.log(queryString);
64
65   connection.query(queryString, vals, function(err, result) {
66     if (err) {
67       throw err;
68     }
69
70     cb(result);
71   });
72 },
```

Model

cat.js

```
10 // The variables cols and vals are arrays.
11 create: function(cols, vals, cb) {
12   orm.create("cats", cols, vals, function(res) {
13     cb(res);
14   });
15 },
```

Controller

catsController.js

```
19 router.post("/api/cats", function(req, res) {
20   cat.create([
21     "name", "sleepy"
22   ], [
23     req.body.name, req.body.sleepy
24   ], function(result) {
25     // Send back the ID of the new quote
26     res.json({ id: result.insertId });
27   });
28 });
```

View

cats.js (front-end Javascript)

```
24 $(".create-form").on("submit", function(event) {
25   // Make sure to preventDefault on a submit event.
26   event.preventDefault();
27
28   var newCat = {
29     name: $("#ca").val().trim(),
30     sleepy: $("#[name=sleepy]:checked").val().trim()
31   };
32
33   // Send the POST request.
34   $.ajax("/api/cats", {
35     type: "POST",
36     data: newCat
37   }).then(
38     function() {
39       console.log("created new cat");
40       // Reload the page to get the updated list
41       location.reload();
42     }
43   );
44 });
```

index.handlebars (html)

```
23 <h2>Add a Cat</h2>
24 <form class="create-form">
25
26   <div class="form-group">
27     <label for="ca">Cat Name:</label>
28     <input type="text" id="ca" name="name">
29   </div>
30
31   <div class="form-group">
32     <label for="sleepy">Sleepy?</label><br>
33     <input type="radio" name="sleepy" value="1"
34       checked> Sleepy!<br>
35     <input type="radio" name="sleepy" value="0"> Awake
36   </div>
37   <button type="submit">Add Cat</button>
38 </form>
```

DATABASE