

Quiz - Building a Full Gallery App Summary

1. What is an array?

- ☒ A JavaScript data structure that can store many items and can access them by a number
- ☐ A JavaScript data structure that can store many items and can access them by a name
- ☐ A template where template expressions access data items by a number
- ☐ A template where template expressions access data items by a name

3. What is wrong with this array definition?

```
1 var myArray = ["one", 2, 3.0, [4, 5, "six"];
```

- ☐ It should have curly brackets {} instead of square brackets []
- ☐ It has the wrong number of commas (,)
- ☒ It has the wrong number of close brackets (])
- ☐ You cannot have an array inside another array

4. What does this code do?

```
1 $("#myButton").click();
```

- ☐ Changes which function is called when the element with id "myButton" is clicked
- ☐ Stops any function being called when the element with id "myButton" is clicked
- ☒ Calls the function that would normally be called when the element with id "myButton" is clicked
- ☐ Changes the style of the element with id "myButton" to look like it does when it is clicked.

5. What does the template expression `{{#each length}}` do?

- ☐ Show the member variable "length" of the object "each"
- ☐ Show the number of items in the array "each"
- ☒ Repeat the following code for all items in the array "length"
- ☐ Show the member variable "each" followed by the member variable "length"

6. What is wrong with this template definition?

```
1 <ul> {{#each things}}  
2   <li>{{name}}</li>  
3 </ul>
```

- ☒ There is an expression `{{/each}}` missing
- ☐ the `` should be after `{{#each}}`
- ☐ Instead of `{{name}}` it should be `{{things.name}}`
- ☐ Instead of `{{#each things}}` it should be `{{#each}} {{things}}`

☐

```
1 <div>  
2   <h2>{{name}}</h2>  
3   <h4>{{pets[0].type}}</h4>  
4   <h4>{{pets[0].favouritebit}}</h4>  
5   <h4>{{pets[1].type}}</h4>  
6   <h4>{{pets[1].favouritebit}}</h4>  
7 </div>
```

☒

```
1 <div>  
2   <h2>{{name}}</h2>  
3   {{#each pets}}  
4     <h4>{{type}}</h4>  
5     <h4>{{favouritebit}}</h4>  
6   {{/each}}  
7 </div>
```

7. Which template will correctly display all of this data?

```
1 var mydata = {  
2   name : "me",  
3   pets : [ {  
4     type : "cat",  
5     favouritebit : "whiskers"  
6   }, {  
7     type : "dog",  
8     favouritebit : "ears"  
9   } ]  
}
```

☐ 1 <div>
2 <h2>{{name}}</h2>
3 <h4>{{pets}}</h4>
4 </div>

☐ 1 <div>
2 {{#each pets}}
3 <h2>{{name}}</h2>
4 <h4>{{type}}</h4>
5 <h4>{{favouritebit}}</h4>
6 {{/each}}
7 </div>

☐ 1 <div>
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7 </div>

☒ 1 <div>
2 <h2>{{name}}</h2>
3 {{#each pets}}
4 <h4>{{type}}</h4>
5 <h4>{{favouritebit}}</h4>
6 {{/each}}
7 </div>

8. When you instantiate this template with an object in which "pets" is an array with many members, which HTML tags only appear once in the final output?

```
1 <div>
2   <h1>About me</h1>
3   <h2>{{name}}</h2>
4   {{#each pets}}
5     <h3>{{type}}</h3>
6     <h4>{{favouritebit}}</h4>
7   {{/each}}
8 </div>
```

(select all that apply)

☒ 1 <h1>

☒ 1 <h2>

☐ 1 <h3>

☐ 1 <h4>

9. What HTML does this template produce when you instantiate it with the data below?

```
1 <div>
2   <h2>{{title}}</h2>
3   {{#each chapters}}
4     <h3>{{author}}</h3>
5   {{/each}}
6 </div>
7
8 var contentsPage = {
9   title : "The nations favorite short stories about Aardvarks",
10  chapters : [ {chaptertitle : "George the killer Aardvark",
11                 author : "Clarice Davies"
12               },
13               {chaptertitle : "Aardvarks of the Carribean",
14                 author : "David Clarence"
15               }
16 ] }
```

☐ 1 <div>
2 <h2>The nations favorite short stories about Aardvarks</h2>
3 <div id="contents"><h3>George the killer Aardvark</h3>
4 <h4>Clarice Davies</h4><h3>Aardvarks of the Carribean</h3><h4>
5 David Clarence</h4>
6 </div>

☐ 1 <div>
2 <h2>The nations favorite short stories about Aardvarks</h2>
3 <h3>George the killer Aardvark</h3>
4 <h3>Aardvarks of the Carribean</h3>
5 <h4>Clarice Davies</h4><h4>David Clarence</h4>
6 </div>

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