Exercises:
Promises and Deferred Objects in jQuery

Make a new Dynamic Web project.

1. Redo the problem from the previous set of exercises, where you got an object containing three numbers from the server and displayed the numbers in a bulleted list. This time, however, use the new approach with Promises.

2. Augment the solution above by slowly hiding and then re-showing the bulleted list after it appears. Do not change the previous done handler in any way.

3. Make a JSP page that returns a random number. Following is the *complete* code of that JSP. You can also just copy random-num.jsp from my jquery-ajax-4-exercises project, or from one of your earlier projects where you used the same JSP page.

```
<%= Math.random() %>
```

Load the URL of the JSP page in a browser and verify you see a number. Reload the page and verify that the number changes.

4. Make a button that, when pressed, makes two Ajax calls. Each call should get a random number. After *both* calls return, insert a message into the page that says something like "the sum of 0.123 and 0.432 is 0.555". Hints:

- Use anonymous functions for the done handlers for the individual requests. Have these functions store the numbers in variables of the main button handler function (not in global variables!).

- Specify dataType: "json", and your done handlers will be passed a number instead of a string. An individual number satisfies the rules of strict JSON, so there is no need to have your server code wrap the number inside an object. If you do not understand my point here, an alternative approach would be to use parseFloat in the done handlers to turn the string from the server into a number.

- Use $.when to detect when both requests have completed.