

Exercises: jQuery Ajax and Sending Data to the Server

Make a new Dynamic Web project for this set of exercises.

1. Make a JSP page called `names.jsp`, whose output is a bulleted list containing the `name1`, `name2`, and `name3` request parameters. Don't worry about checking for missing data. Following is the *complete* code of that JSP. You can also just copy `names.jsp` from my `jquery-ajax-2-exercises` project.

```
<ul>
  <li>${param.name1}</li>
  <li>${param.name2}</li>
  <li>${param.name3}</li>
</ul>
```

Deploy the app and test the JSP page by calling

`http://localhost/project-name/names.jsp?name1=Joe&name2=Jane&name3=John`

2. Create an HTML file (e.g., `index.html`) that loads `jquery.js` and your own JavaScript file. In the HTML file, make a button that, when pressed, sends an Ajax request to `names.jsp`, sending preset names of Joe, Jane, and John. There are no textfields in this example: the names are always Joe, Jane, and John. The result that comes back from the server should be inserted into the page. Use `$.ajax`, but there is *not* any need for the `data` option (why not?).
3. Make a button along with three textfields used to gather three names from the user. Send the values to the JSP page above, and again insert the results into the page. This time, use `$.ajax` and the `data` option. Use either an explicit string or a data object. You do not have to check for empty fields on either the client or server side, but be sure that, if you enter textfield values with spaces or other special characters, everything still works OK.
4. Repeat the previous problem, but this time use `serialize` to build the data string.
5. Repeat the previous problem, but this time use `load` instead of `$.ajax`.