

Exercises: AjaxTags I

Make a project that supports AjaxTags. The easiest approach is to edit my ajaxtags-blank project and change index.jsp to do something useful. Remember that you have to put the following somewhere in the JSP page that uses AjaxTags:

```
<%@ taglib uri="http://ajaxtags.org/tags/ajax" prefix="ajax" %>
```

Or, you could make a new Dynamic Web project and copy the required JAR files, JavaScript files, and styles.css from my ajaxtags project into your new project. But there are quite a few files to copy. Also, remember that with most uses of AjaxTags, you never write or edit *any* JavaScript code. You have to make the main .jsp page that has the tags, and you have to write the server-side code (servlets or JSP), but you don't touch the client-side JavaScript code. Pick and choose the problems that interest you below.

- 1.** Make a pushbutton. When the user presses the button, display a random number in the current page. The random number should come from the server. Use `ajax:htmlContent`.
- 2.** Make a textfield to collect a customer id. When the user presses a button, display a bulleted list showing the id, first name, last name, and balance of that customer. Display an error message for unknown customer ids. Again, my `Customer` and `CustomerUtils` classes will do most of the boring part of the work. Again, use `ajax:htmlContent`.
- 3.** Make a hypertext link that says “Richest Customer”. When you click it, display a bulleted list showing the id, first name, last name, and balance of the richest customer. Remember that `CustomerUtils.getRichestCustomer()` already returns the `Customer` with the highest balance. (Copy `Customer` and `CustomerUtils` from one of your previous projects). Use `ajax:anchors`.
- 4.** Make a variation of the problem 2. But add one feature: when the user starts entering a customer id, display a dropdown list of the ids matching what is typed so far.
- 5.** Make four tabbed panels labeled “a1234”, “a1235”, “a1236”, and “a1237”. When the user clicks on the tab, show a bulleted list showing the id, first name, last name, and balance of that customer.
- 6.** Make two select boxes (comboboxes). The first one initially has four choices: “a”, “b”, “c”, and “d”. The second one is initially empty. If the user chooses “a”, then list four words starting with a in the second combobox. Do something similar for the other three choices.