

# Exercises: Ajax Data Handling

Continue with the banking app from the earlier exercises. Grab the Customer and CustomerUtils classes from one of my recent exercises solutions (e.g., ajax-basics-1-exercises).

1. Make a form with a pushbutton that says “Richest Two Customers”. When you press it, two bulleted lists should appear side-by-side. The left list should show the id, first name, last name, and balance of the richest customer, and the right list should show the same data for the second-richest customer. Send the data in XML format.

Note: My CustomerUtils already has a method called getRichestTwoCustomers that returns a Customer[] of the richest and second-richest customers. However, if you are a bit rusty on server-side programming, you could just fake the server-side processing and simply hardcode the server-side file. Just make a file called fake-results.xml that looks like this:

```
<?xml version="1.0" encoding="UTF-8"?>
<customers>
  <customer>
    <id>a1234</id>
    <firstName>Joe</firstName>
    <lastName>Plumber</lastName>
    <balance>$123.45</balance>
  </customer>
  <customer>
    <id>a1235</id>
    <firstName>Jane</firstName>
    <lastName>Meatpacker</lastName>
    <balance>$456.78</balance>
  </customer>
</customers>
```

You would then simply make fake-results.xml be the server-side address your JavaScript uses.

2. Make a similar form, but this time send the data in JSON format. Again, if you want real data, call CustomerUtils.getRichestTwoCustomers (drop Customer and CustomerUtils into src/coreservlets first). Or, you can just make fake-results-json.txt with hardcoded data in JSON format.
3. Make a similar form, but this time send the data in a string-based format. Again, if you want real data, call CustomerUtils.getRichestTwoCustomers (drop Customer and CustomerUtils into src/coreservlets first). Or, you can just make fake-results-string.txt with hardcoded data in some string format of your choosing.
4. Make a similar form, but this time make the format (XML, JSON, or String) one of the options.