MyFaces Components

You do not need to do these problems in order. Start by trying one or two from the components section and one or two from the validators section.

1. Take the TestScores array from the previous exercises. Instead of outputting it in a table, output it in a list, where each list item is of the form "1. Scores are a, b, c, and d."

2. Display your TestScores in a two-column display (not a two-column table with subject and grade, but with half the scores (subject and grade) in the first column, and half the scores in the second column). You won't use t:dataList here.

3. Make a tabbed pane with four tabs. Each tab should gather one test score. When you submit the form, populate a TestScores object and display the results.

4. Make a tabbed pane with two tabs. The first tab collects a start date and the second tab collects an end date. Display the selected dates. (Or, if you want to be fancy, give an error message if the end date is earlier than the start date.)

5. Make a Student bean with a name and a grade-list (TestScores object containing 4 grades). Make an array of students. Print out the names, and pop up the grades when the mouse moves over the names.

6. Use the MyFaces validators to:
   • Verify that a given textfield is an email address. (Try fooling it.)
   • Verify that a given textfield is a credit card number (Use 4111111111111111 to fool it).
   • Verify that two email addresses are identical. If the two are the same, but neither is a legal email address, what error message do you get? Why?

7. If you know Java regular expressions, try using the MyFaces validator to verify that a user ID is exactly one character followed by exactly four digits. Try some fancier regular expression matches as well. For details, see the java.util.regex.Pattern API in Javadoc at http://java.sun.com/j2se/1.5.0/docs/api/java/util/regex/Pattern.html.