JSF2 Exercises:
GUI Event Handling

Note that if you change a style sheet, you should go to the page that uses that style sheet and do SHIFT-Reload, not just Reload. This forces the browser to reload the style sheet, not just the HTML.

1. Make a form with a button (h:commandButton) that says "Inverse Video." When the button is pressed, toggle between white-on-black and black-on-white. To make this work properly, you will want to do two things in your style sheet:

   • Remove all references to explicit foreground or background colors in body, h1, th, legend, etc.
   • Make two new styles (e.g., ".light" and ".dark") that set color and background-color appropriately. If you are a bit rusty on CSS, just steal styles.css from my event-handling-exercises project, but write the Java code yourself.
   • Compute the styleClass of the body, as in the notes. E.g.:
   <h:body styleClass="#{formSettings.bodyStyleClass}">
   (where getBodyStyleClass() returns either "light" or "dark").

   Hint: "View Page Source" is your friend here (look at the <body> tag and see what the value of the "class" is). If you press the button and the colors don't change, find out if it is because you didn't generate the right CSS name, or because the CSS name didn't do the right thing.

2. Do the same basic task, but this time, instead of a button, use a radio button, checkbox or dropdown menu. Try your application in both Internet Explorer and another browser (e.g., Firefox or Chrome). Make sure it works the same in both cases.

3. Copy your form from the properties-files exercises. That is, create a form that collects a first name, last name, and email address and that uses a properties file for the prompts and button label. Now, make push buttons (or radio buttons, or a dropdown menu) that say "English", "Español", and "Français" (or whatever languages your properties files support). Change the language of the page based on which entry is selected.