

# Exercises: Managed Beans II

Make a new Dynamic Web Project based on the jsf-blank project or on your project from the Programming Basics exercises.

- 1.** Copy your a-b-c-victory-defeat application from the Programming Basics exercises (or, make this project a copy of your previous project). If you didn't have a working version, copy mine from the basics-exercises project. Give the beans (or bean) custom names, and change all of the facelets (.xhtml) pages to use the custom names.
- 2.** Make the beans (or bean) of problem 1 be application-scoped. Verify that they really behave as application-scoped beans are supposed to behave (how?).
- 3.** Make an app where you select one of three names (Cay, David, Marty) and show the selection in the results page. Use a listbox or set of radio buttons, not a dropdown menu. Be sure there is an initial selection. Don't forget that you must define the "f" namespace at the top of the facelets (.xhtml) page, as shown in the notes.
- 4.** Make a similar app, but with two differences
  - Use a dropdown menu
  - Select among Cay, David, and Marty, but for the results, show one of Cay Horstmann, David Geary, or Marty Hall.
- 5.** Copy your code for the health plan from the previous set of exercises. However, instead of using a textfield for the health care provider, provide a drop down menu that shows a list of the available options.
  - Hint 1: for the general design, think about code reuse from the previous health plan problem.
  - Hint 2: even though dropdown menus can use Maps with display values and selection values, you need to use a converter (not yet discussed) if the value is something complex. Besides, you already have code from the previous exercise that takes the health plan name and finds the corresponding HealthPlan object. So, just use Strings for the menu of health plan names, and use your code from the previous problem to convert those names to HealthPlan objects.