

# Whirlwind Review: Exercises

The lecture was a super-fast review of many foundational JSF topics, so what you practice here depends a lot on what you are already comfortable with. If you have no trouble making projects, collecting input, validating, and navigating (as in #2 below), then invent your own exercise the involves Ajax, templating, or composite components.

**1.** Make a new Eclipse project by copying the jsf-blank project. Here is the process:

- R-click on jsf-blank and click Copy. R-click in Project Explorer on left and click Paste.
- Give the project a new name.

Unfortunately, due to an Eclipse bug, you have to fix the references to the old project name as shown in the notes. (Open Navigator with Window --> Show View -->Navigator)

- Go to file system or Eclipse Navigator (not Project Explorer), edit `eclipseWorkspace/yourNewProject/.settings/org.eclipse.wst.common.component`
- Change all three instances of old project name (jsf-blank) to new one, then save file
- **Close Navigator window**

Deploy the project and access `http://localhost/yourNewProject/` (which forwards to a .jsf page).

**2.** Make a form that would let a user choose a lottery number between 1 and 1 million. Collect the number and an email address, and show a confirmation page that displays those values. Enforce that neither field is empty, and that the chosen number is a whole number. You can either put the error messages at the top of the form or next to the fields, whichever you prefer. You could even enforce that the number is in the right range if you remember how, but finish the problem without this capability first, then come back and add it in if you have time.

Be sure to build up gradually, testing as you go along. For example, test after you make the form, then again after you make the bean, then again after you make the results page, then again after you add in validation, and so forth.