Exercises: Validation

1. Go to *any* previous set of exercises where you created at least one textfield. Add the required and requiredMessage attributes, and put <h:messages/> at the top of the form (but inside h:form). Test it by submitting the form with the field being empty. That's it! In 2 minutes you added simple validation to a form, with error messages at the top. Next, give the textfield an id, and put <h:message for="theId"/> next to the field. Again, test it by submitting the form with the field being empty. That's it! In 2 minutes more, you added simple validation to a form, with error messages next to the field.

2. Now, for the rest of the exercises, make a new project. Give it a form that lets employees register for some service. Use bean property types and the "required" attribute to enforce the following:

- First name: required
- Middle name: optional
- Last name: required
- Employee ID: required
- Building number: whole number

If something goes wrong, display a list of error messages at the top of the form. If everything is OK, display a confirmation page.

3. Copy/redo the form from the previous problem, but this time display the error message right after the field that had the incorrect value.

4. Copy the form from the previous problem, but this time enforce stricter rules:

- First name: at least two letters
- Middle name: optional
- Last name: at least three letters
- Employee ID: a lowercase letter followed by four numbers. If you know regular expressions in Java, enforce the whole pattern. If you don't, just enforce that it is exactly five characters long.
- Building number: whole number from 1 to 50

5. Buildings 3, 17, and 41 fell down in an earthquake and are no longer available. Make a custom validator method that enforces this. Note that you should not mix <f:validate*Blah*> tags with a custom validator method for the same input field.