

CheckingForRequiredValidator

NOTE: This information only applies to older versions of Tapestry. For Tapestry 5 see

<http://tapestry.apache.org/input-validation.html>

If you have a custom validation delegate (class that extends `ValidationDelegeate`) you may want to display a required field marker next to the field when the page is presented to your visitors.

If you are migrating a 3.0 application you will want to override `writeSuffix()` like this:

```
public void writeSuffix(IMarkupWriter writer, IRequestCycle cycle, IFormComponent component, IValidator
validator) {
    if(component.getBinding("validator")!=null) {
        ExpressionBinding expressionBinding = (ExpressionBinding) component.getBinding
("validator");

        BaseValidator singleValidator = (BaseValidator) expressionBinding.getObject();
        if(singleValidator.isRequired()) {

            writer.printRaw("&nbsp;");
            writer.begin("span");
            writer.attribute("class", "required-marker");
            writer.beginEmpty("img");
            writer.attribute("src","images/required.jpg");
            writer.attribute("alt","required field");
            writer.attribute("align","middle");
            writer.end();

        }
    }
}
```

However, if you are using the new Validation model of Tapestry 4.0 you will want to do this

```

public void writeSuffix(IMarkupWriter writer, IRequestCycle cycle, IFormComponent component, IValidator
validator) {
    boolean requiredField = false;
    if(component.getBinding("validators") instanceof ExpressionBinding) {
        ExpressionBinding expressionBinding = (ExpressionBinding) component.getBinding
("validators");
        org.apache.tapestry.form.validator.BaseValidator singleValidator = (org.apache.
tapestry.form.validator.BaseValidator)expressionBinding.getObject();
        if(singleValidator instanceof Required) {
            requiredField = true;
        }
    } else {
        ValidatorsBinding vb = (ValidatorsBinding) component.getBinding("validators");
        Collection collection = (Collection) vb.getObject();
        for(Iterator it = collection.iterator(); it.hasNext();){
            Validator validatorObject = (Validator) it.next();
            if(validatorObject instanceof Required) {
                requiredField = true;
            }
        }
    }

    if(requiredField) {
        writer.printRaw("&nbsp;");
        writer.begin("span");
        writer.attribute("class", "required-marker");
        writer.beginEmpty("img");
        writer.attribute("src", "images/required.jpg");
        writer.attribute("alt", "required field");
        writer.attribute("align", "middle");
        writer.end();
    }

    if(isInError()) {
        writer.printRaw("&nbsp;");
        writer.beginEmpty("img");
        writer.attribute("align", "middle");
        writer.attribute("src", "images/warning_icon.gif");
    }
}

```

[HowardLewisShip](#): In Tapestry 4.0, IFormComponent has a `isRequired()` method for this purpose. Internally, it's kind of like your solution (but doesn't using OGNL or reflection).

```

public void writeSuffix(IMarkupWriter writer, IRequestCycle cycle, IFormComponent component, IValidator
validator) {

    if(field.isRequired()) {
        writer.printRaw("&nbsp;");
        writer.begin("span");
        writer.attribute("class", "required-marker");
        writer.beginEmpty("img");
        writer.attribute("src", "images/required.jpg");
        writer.attribute("alt", "required field");
        writer.attribute("align", "middle");
        writer.end();
    }

    if(isInError()) {
        writer.printRaw("&nbsp;");
        writer.beginEmpty("img");
        writer.attribute("align", "middle");
        writer.attribute("src", "images/warning_icon.gif");
    }
}

```