

PropertySelectionForAll

NOTE: This is outdated information that applies only to Tapestry 4.

A simple example for using a property selection

The first step is to design an HTML template. In this template you must include a Tapestry tag like this:

```
....  
<span jwcid="@PropertySelection" value="ognl:propertyName" model="ognl:collectionName"></span>  
....
```

Next, you must define a class. This class must implement the `IPropertySelectionModel` Interface:

```

import java.io.Serializable;

import org.apache.tapestry.form.IPropertySelectionModel;

public class SelectionObject implements IPropertySelectionModel, Serializable {

    /**
     *
     */
    private static final long serialVersionUID = 1L;
    private Object[] core;
    private String methodName;

    private String getMethodName() {
        return methodName;
    }

    private void setMethodName(String methodName) {
        this.methodName = methodName;
    }

    private Object[] getCore() {
        return core;
    }

    private void setCore(Object[] core) {
        this.core = core;
    }

    public SelectionObject(Object[] data,String method) {
        this.setCore(data);
        this.setMethodName(method);
    }

    public SelectionObject(Object[] data) {
        this.setCore(data);
        this.setMethodName("toString");
    }

    public int getOptionCount() {
        return this.getCore().length;
    }

    public Object getOption(int arg0) {
        return this.getCore()[arg0];
    }

    public String getLabel(int arg0) {
        try {
            return this.getCore()[arg0].getClass().getMethod(this.getMethodName(),new Class[]{}).
invoke(this.getCore()[arg0],new Object[]{}).toString();
        } catch (Exception e) {
            e.printStackTrace();
        }
        return null;
    }

    public String getValue(int arg0) {
        return Integer.toString(arg0);
    }

    public Object translateValue(String arg0) {
        int index;
        index = Integer.parseInt(arg0);
        return this.getCore()[index];
    }
}

```

This class can contain any object's cain. Please see the constructor with 2 parameters. The first parameter is an array of objects. These objects will be assigned to the property. The second parameter is a String with the method name for invoking and obtaining the representation for the user in the combo box.

And then in your Page Implementation you must include code like this:

```
public abstract class YourPage implements PageBeginRenderListener{

    ...

    private IPropertySelectionModel collectionName;

    public void pageBeginRender(PageEvent event){
        .....
        this.setCollectionName(new SelectionObject(youObjectArray[], "youMethod"));
        ....
    }

    .....

    public IPropertySelectionModel getCollectionName() {
        return collectionName;
    }
    public void setCollectionName(IPropertySelectionModel collection) {
        this.collectionName = collection;
    }

    @Persist
    public abstract youObject getPropertyName();
    public abstract void setPropertyName(youObject);

    .....
}
```

When submitted, the property *PropertyName* will be set with the object selected in the combo box for the user.