

## Split Representation From Construction with Builder

Your code mixes together construction steps  
with formatting or look and feel logic

*Produce a Builder to separate the construction steps  
from the formatting and construction mechanics*

```
contents.append("<product");
contents.append(" id=");
contents.append(product.getID());
contents.append("");
contents.append(" color=");
contents.append(getColorFor(product));
contents.append("");
if (product.getSize() != ProductSize.NOT_APPLICABLE) {
    contents.append(" size=");
    contents.append(getSizeFor(product));
    contents.append("");
}
contents.append(">");
contents.append("<price");
contents.append(" currency=");
contents.append(getCurrencyFor(product));
contents.append(">");
contents.append(product.getPrice());
contents.append("</price>");
contents.append(product.getName());
contents.append("</product>");
```



```
orderBuilder.addOpenTag("product");
orderBuilder.addAttribute("id", product.getID());
orderBuilder.addAttribute("color", getColorFor(product));
if (product.getSize() != ProductSize.NOT_APPLICABLE)
    orderBuilder.addAttribute("size", getSizeFor(product));
orderBuilder.addCloseTag();
orderBuilder.addOpenTag("price");
orderBuilder.addAttribute("currency", getCurrencyFor(product));
orderBuilder.addCloseTag();
orderBuilder.addValue(String.valueOf(product.getPrice()));
orderBuilder.addCloseTag("price");
orderBuilder.addValue(product.getName());
orderBuilder.addCloseTag("product");
```