

## ProcessSellerFormAction.java

```
1 package controller.action;
2
3 import javax.servlet.ServletContext;
4
14
15 public class ProcessSellerFormAction implements ControllerAction {
16
17     @Override
18     public void execute(HttpServletRequest request, HttpServletResponse
response) {
19         try {
20
21             Product p = createProduct(request, response);
22             setProductAssociations(request, response, p);
23             updateEntity(request, p);
24             forward(request, response);
25
26         } catch (Exception e) {
27             e.printStackTrace();
28         }
29     }
30
31     private void updateEntity(HttpServletRequest request, Product p) {
32         ServletContext context = request.getSession().getServletContext();
33         ProductRepository productRepository = (ProductRepository)
context.getAttribute("productRepository");
34         productRepository.persistOrMerge(p, p.getId());
35     }
36
37     private void forward(HttpServletRequest request, HttpServletResponse
response) {
38         try {
39             request.setAttribute("message", "<br /> Product inserted with
success");
40
41             GoToAction responseAction = new GoToAction("response.jsp");
42             responseAction.execute(request, response);
43         } catch (Exception e) {
44             e.printStackTrace();
45         }
46     }
47
48     private Product createProduct(HttpServletRequest request,
HttpServletResponse response) {
49         NewProductAction newProductAction = new NewProductAction();
50         Product p = (Product) newProductAction.execute(request, response);
51         return p;
52     }
53
54     private void setProductAssociations(HttpServletRequest request,
HttpServletResponse response, Product p) {
55         setProductSeller(request, response, p);
56         setProductCategory(request, response, p);
57     }
```

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```
58
59     private void setProductCategory(HttpServletRequest request,
    HttpServletResponse response, Product p) {
60         NewCategoryAction newCategoryAction = new NewCategoryAction();
61         Category c = (Category) newCategoryAction.execute(request,
    response);
62         p.setProductCategory(c);
63     }
64
65     private void setProductSeller(HttpServletRequest request,
    HttpServletResponse response, Product p) {
66         NewSellerAction newSellerAction = new NewSellerAction();
67         Seller s = (Seller) newSellerAction.execute(request, response);
68         p.setProductSeller(s);
69     }
70 }
```