

```

1  package org.wicket.sapporo.handson.model_usage;
2
3  import java.util.Random;
4
5  import org.apache.wicket.markup.html.WebPage;
6  import org.apache.wicket.markup.html.basic.Label;
7  import org.apache.wicket.model.AbstractReadOnlyModel;
8  import org.apache.wicket.model.IModel;
9  import org.apache.wicket.model.LoadableDetachableModel;
10
11  /**
12   * AbstractReadOnlyModel, LoadableDetachableModel の動作ページの例.
13   */
14  public class ReadOnlyModelPage extends WebPage {
15      private static final long serialVersionUID = 1L;
16
17      /**
18       * コンストラクタ.
19       */
20      public ReadOnlyModelPage() {
21
22          IModel<Integer> aroModel = new AbstractReadOnlyModel<Integer>() {
23              private static final long serialVersionUID = 1L;
24
25              @Override
26              public Integer getObject() {
27                  // getObjectされるたびに、異なるオブジェクトを返す
28                  return getRandomInt();
29              }
30          };
31
32          Label ro1Label = new Label("ro1", aroModel);
33          add(ro1Label);
34          Label ro2Label = new Label("ro2", aroModel);
35          add(ro2Label);
36          Label ro3Label = new Label("ro3", aroModel);
37          add(ro3Label);
38
39          IModel<Integer> ldModel = new LoadableDetachableModel<Integer>() {
40              private static final long serialVersionUID = 1L;
41
42              @Override
43              protected Integer load() {
44                  // リクエストからレスポンスの間（もしくはdetachされるまで）は、同じオブジェクトを返す
45                  return getRandomInt();
46              }
47          };
48
49          Label ld1Label = new Label("ld1", ldModel);
50          add(ld1Label);
51          Label ld2Label = new Label("ld2", ldModel);
52          add(ld2Label);
53          Label ld3Label = new Label("ld3", ldModel);
54          add(ld3Label);
55
56      }
57
58      public int getRandomInt() {
59          return new Random().nextInt(1000);
60      }
61
62  }

```