

```
1
2 package acme.features.manager.assignment;
3
4 import java.util.Collection;
5 import java.util.HashSet;
6 import java.util.Set;
7 import java.util.stream.Collectors;
8
9 import org.springframework.beans.factory.annotation.Autowired;
10 import org.springframework.stereotype.Service;
11
12 import acme.client.data.models.Dataset;
13 import acme.client.services.AbstractService;
14 import acme.entities.project.Assignment;
15 import acme.features.manager.project.ManagerProjectRepository;
16 import acme.roles.Manager;
17
18 @Service
19 public class ManagerAssignmentListService extends AbstractService<Manager, Assignment> {
20
21     // Internal state -----
22
23     @Autowired
24     private ManagerProjectRepository repository;
25
26     // AbstractService interface -----
27
28
29     @Override
30     public void authorise() {
31         boolean status;
32         int id;
33
34         id = super.getRequest().getData("projectId", int.class);
35         Manager manager = this.repository.findManagerById(id);
36         status = super.getRequest().getPrincipal().getActiveRoleId() == manager.getId();
37
38         super.getResponse().setAuthorised(status);
39     }
40
41     @Override
42     public void load() {
43         int id = super.getRequest().getData("projectId", int.class);
44         Collection<Assignment> objects = this.repository.findAllAssignmentsOfAProjectById(id).stream().distinct().collect(Collectors.toList());
45         objects = this.deleteDuplicated(objects);
46         super.getBuffer().addData(objects);
47     }
48
49     @Override
50     public void unbind(final Assignment assignment) {
51
52         assert assignment != null;
53
54         Dataset dataset;
55
56         dataset = super.unbind(assignment, "project", "userStory");
57
58         super.getResponse().addData(dataset);
59         if (assignment.getProject() != null)
60             dataset.put("title", assignment.getProject().getTitle());
61         if (assignment.getUserStory() != null)
```

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62     dataset.put("usTitle", assignment.getUserStory().getTitle());
63
64 }
65
66 private Collection<Assignment> deleteDuplicated(final Collection<Assignment> objects) {
67     Set<String> uniquePairs = new HashSet<>();
68     return objects.stream().filter(assignment -> {
69         String pair = assignment.getProject() + "-" + assignment.getUserStory();
70         if (uniquePairs.contains(pair))
71             return false;
72         else {
73             uniquePairs.add(pair);
74             return true;
75         }
76     }).collect(Collectors.toList());
77 }
78
79 }
80
```