

```
1
2 package acme.features.manager.assignment;
3
4 import java.util.Collection;
5
6 import org.springframework.beans.factory.annotation.Autowired;
7 import org.springframework.stereotype.Service;
8
9 import acme.client.data.models.Dataset;
10 import acme.client.services.AbstractService;
11 import acme.client.views.SelectChoices;
12 import acme.entities.project.Assignment;
13 import acme.entities.project.Project;
14 import acme.entities.project.UserStory;
15 import acme.features.manager.project.ManagerProjectRepository;
16 import acme.roles.Manager;
17
18 @Service
19 public class ManagerAssignmentCreateService extends AbstractService<Manager, Assignment> {
20
21     @Autowired
22     private ManagerProjectRepository repository;
23
24
25     @Override
26     public void authorise() {
27         boolean status;
28         int projectId = super.getRequest().getData("masterId", Integer.class);
29         Manager manager = this.repository.findManagerByProjectId(projectId);
30         status = manager != null && super.getRequest().getPrincipal().hasRole
31             (Manager.class) && manager.getId() == super.getRequest().getPrincipal().getActiveRoleId();
32         super.getResponse().setAuthorised(status);
33     }
34
35     @Override
36     public void load() {
37
38         Assignment assignment = new Assignment();
39         Integer id;
40
41         id = super.getRequest().getData("masterId", int.class);
42         Project p = this.repository.findProjectById(id);
43
44         assignment.setProject(p);
45
46         super.getBuffer().addData(assignment);
47
48     }
49
50     @Override
51     public void bind(final Assignment assignment) {
52         assert assignment != null;
53
54         super.bind(assignment, "project.title", "userStory");
55     }
56
57     @Override
58     public void validate(final Assignment assignment) {
59         assert assignment != null;
60
61         if (!super.getBuffer().getErrors().hasErrors("userStory")) {
```

```
62         boolean condition = assignment.getProject().getManager().getId() ==
assignment.getUserStory().getManager().getId();
63         super.state(condition, "*", "manager.project.form.error.ownership");
64     }
65
66     if (!super.getBuffer().getErrors().hasErrors("project"))
67         super.state(assignment.getProject().isDraft() == true, "*",
"manager.project.form.create-denied");
68
69     if (!super.getBuffer().getErrors().hasErrors("userStory")) {
70         int masterId = assignment.getProject().getId();
71         Collection<UserStory> us = this.repository.findAllUserStoriesOfAProjectById
(masterId);
72         super.state(!us.contains(assignment.getUserStory()), "userStory",
"manager.project.form.UsDuplicated");
73     }
74
75 }
76
77 @Override
78 public void perform(final Assignment assignment) {
79     assert assignment != null;
80
81     this.repository.save(assignment);
82 }
83
84 @Override
85 public void unbind(final Assignment assignment) {
86     assert assignment != null;
87
88     Dataset dataset;
89
90     int id = super.getRequest().getPrincipal().getActiveRoleId();
91     SelectChoices userStoriesChoices;
92
93     Collection<UserStory> userStories =
this.repository.findAllUserStoriesOfAManagerById(id);
94
95     userStoriesChoices = SelectChoices.from(userStories, "title",
assignment.getUserStory());
96
97     dataset = super.unbind(assignment, "project.title", "userStory");
98
99     int masterId = super.getRequest().getData("masterId", int.class);
100
101     dataset.put("masterId", masterId);
102     dataset.put("userStories", userStoriesChoices);
103
104     super.getResponse().addData(dataset);
105 }
106
107 }
108
```