

```

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

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        "manager.project.form.error.fatal-errors");
60
61        if (!super.getBuffer().getErrors().hasErrors("cost"))
62            super.state(project.getCost().getAmount() >= 0, "cost",
        "manager.project.form.error.negative-cost");
63
64        if (!super.getBuffer().getErrors().hasErrors("code")) {
65            Project existing;
66
67            existing = this.repository.findOneProjectByCode(project.getCode());
68
69            super.state(existing == null || existing.equals(project), "code",
        "manager.project.form.error.duplicated");
70        }
71    }
72
73    @Override
74    public void perform(final Project project) {
75        assert project != null;
76
77        this.repository.save(project);
78    }
79
80    @Override
81    public void unbind(final Project project) {
82        assert project != null;
83        boolean userStoriesPublishables;
84        boolean isDraft;
85
86        userStoriesPublishables = this.repository.findAllUserStoriesOfAProjectById
        (project.getId()).stream().allMatch(x -> x.isDraft() == false) &&
        this.repository.findAllUserStoriesOfAProjectById(project.getId()).size() > 0
87        && project.isHasFatalErrors() == false;
88        isDraft = project.isDraft() == true;
89
90        Dataset dataset;
91
92        dataset = super.unbind(project, "code", "title", "abstractText", "hasFatalErrors",
        "cost", "link", "isDraft");
93        dataset.put("projectId", project.getId());
94        dataset.put("publishable", userStoriesPublishables);
95        dataset.put("isDraft", isDraft);
96
97        super.getResponse().addData(dataset);
98    }
99
100
101 }
102
```