

```
1
2 package acme.features.client.progresslog;
3
4 import java.util.Collection;
5 import java.util.List;
6
7 import org.springframework.beans.factory.annotation.Autowired;
8 import org.springframework.stereotype.Service;
9
10 import acme.client.data.models.Dataset;
11 import acme.client.services.AbstractService;
12 import acme.client.views.SelectChoices;
13 import acme.entities.contract.Contract;
14 import acme.entities.contract.ProgressLog;
15 import acme.roles.Client;
16
17 @Service
18 public class ClientProgressLogUpdateService extends AbstractService<Client,
    ProgressLog> {
19
20     @Autowired
21     private ClientProgressLogRepository repository;
22
23
24     @Override
25     public void authorise() {
26         boolean status;
27         int progressLogId;
28         Contract contract;
29         ProgressLog progressLog;
30         progressLogId = super.getRequest().getData("id", int.class);
31         contract = this.repository.findOneContractByProgressLogId
    (progressLogId);
32         progressLog = this.repository.findOneProgressLogById
    (progressLogId);
33         status = super.getRequest().getPrincipal().getActiveRoleId() ==
    contract.getClient().getId() && progressLog != null && progressLog.isDraft
    () && contract != null && super.getRequest().getPrincipal().hasRole
    (Client.class);
34
35         super.getResponse().setAuthorised(status);
36
37     }
38
39     @Override
40     public void load() {
41         ProgressLog object;
42         int id;
43
44         id = super.getRequest().getData("id", int.class);
```

```
45     object = this.repository.findOneProgressLogById(id);
46     super.getBuffer().addData(object);
47 }
48
49 @Override
50 public void bind(final ProgressLog object) {
51     assert object != null;
52
53     super.bind(object, "recordId", "completeness", "comment",
54 "registrationMoment", "isDraft", "reponsiblePerson");
55
56     @Override
57     public void validate(final ProgressLog object) {
58         assert object != null;
59
60         if (!super.getBuffer().getErrors().hasErrors("recordId")) {
61             ProgressLog existing;
62             existing = this.repository.findOneProgressLogByCode
63 (object.getRecordId());
64             super.state(existing == null || existing.equals(object),
65 "recordId", "client.progresslog.form.error.duplicated");
66         }
67         if (!super.getBuffer().getErrors().hasErrors("completeness")) {
68             Double objectCompleteness = object.getCompleteness();
69             List<ProgressLog> pls = this.repository.findBefore
70 (object.getContract().getId());
71             ProgressLog lastVersion =
72 this.repository.findOneProgressLogById(object.getId());
73             Double lastCompleteness = pls.get(0).getCompleteness();
74             boolean condition = objectCompleteness.equals
75 (lastVersion.getCompleteness()) || objectCompleteness > lastCompleteness;
76             super.state(condition && objectCompleteness < 100,
77 "completeness", "client.progresslog.form.error.completeness");
78         }
79     }
80
81     @Override
82     public void perform(final ProgressLog progresslog) {
83         assert progresslog != null;
84
85         this.repository.save(progresslog);
86     }
87
88     @Override
89     public void unbind(final ProgressLog object) {
90         assert object != null;
91         Dataset dataset;
```

```
88         boolean isDraft;
89         SelectChoices choices;
90         Collection<Contract> contracts =
91         this.repository.findAllContractsByClientId(super.getRequest().getPrincipal
92         ().getActiveRoleId());
93
94         choices = SelectChoices.from(contracts, "code", object.getContract
95         ());
96
97         isDraft = object.isDraft() == true;
98
99         dataset = super.unbind(object, "recordId", "contract",
100         "completeness", "comment", "registrationMoment", "isDraft",
101         "reponsiblePerson");
102         dataset.put("contract", choices.getSelected().getKey());
103         dataset.put("contracts", choices);
104         dataset.put("isDraft", isDraft);
105         super.getResponse().addData(dataset);
106     }
107 }
```