[Activiti 6.x] API

Activiti 6.x API

HistoryService

```
/**HistoryProcessInstance*/
@Test
public void HistoryProcessInstance() {
    List<HistoricProcessInstance> datas =
historyService.createHistoricProcessInstanceQuery()
            .finished().list();
    for (HistoricProcessInstance historicProcessInstance : datas) {
        System.out.println("    id: "+historicProcessInstance.getId());
        System.out.println("  id: "+historicProcessInstance.getDeploymentId());
        System.out.println("  event: "+historicProcessInstance.getEndActivityId());
        System.out.println("    : "+historicProcessInstance.getName());
        System.out.println("PROC_DEF_ID:
"+historicProcessInstance.getProcessDefinitionId());
        System.out.println("    Key: "+historicProcessInstance.getProcessDefinitionKey());
        System.out.println("     : "+historicProcessInstance.getProcessDefinitionName());
        System.out.println("  event: "+historicProcessInstance.getStartActivityId());
    }
}
```

```
    @Test
    public void HistoryProcessInstance() {
        List<HistoricProcessInstance> datas = historyService.createHistoricProcessInstanceQuery()
                .finished().list();
        for (HistoricProcessInstance historicProcessInstance : datas) {
            System.out.println("流程实例id: "+historicProcessInstance.getId());
            System.out.println("部署id: "+historicProcessInstance.getDeploymentId());
            System.out.println("结束event: "+historicProcessInstance.getEndActivityId());
            System.out.println("流程名称: "+historicProcessInstance.getName());
            System.out.println("PROC_DEF_ID: "+historicProcessInstance.getProcessDefinitionId());
            System.out.println("流程定义Key: "+historicProcessInstance.getProcessDefinitionKey());
            System.out.println("流程定义名称: "+historicProcessInstance.getProcessDefinitionName());
            System.out.println("开始event: "+historicProcessInstance.getStartActivityId());
        }
    }
}
```

Console | Problems | Progress | Properties | JUnit

<terminated> FullSimpleDemoTest.HistoryProcessInstance [JUnit] D:\Java\jdk1.8.0_131\bin\javaw.exe (2018年9月11日 下午4:14:3

```
2018-09-11 16:14:40.246  INFO 7960 --- [           main] o.a.e.i.a.DefaultAsyncJobExecutor       : Starti
2018-09-11 16:14:40.247  INFO 7960 --- [       Thread-3] o.a.e.i.a.AcquireAsyncJobsDueRunnable    : {} sta
2018-09-11 16:14:40.247  INFO 7960 --- [       Thread-4] o.a.e.i.a.AcquireTimerJobsRunnable       : {} sta
2018-09-11 16:14:40.248  INFO 7960 --- [       Thread-5] o.a.e.i.a.ResetExpiredJobsRunnable       : {} sta
2018-09-11 16:14:40.559  INFO 7960 --- [           main] com.ptm.prdemo.FullSimpleDemoTest        : Starte
流程实例id: 47501
部署id: 37501
结束event: endevent1
部署名称: null
PROC_DEF_ID: myProcess:1:37504
流程定义Key: myProcess
流程定义名称: 员工请假流程
开始event: startevent1
2018-09-11 16:14:40.749  INFO 7960 --- [       Thread-6] s.c.a.AnnotationConfigApplicationContext : Closir
```

https://blog.csdn.net/Pan1458689676

HistoryService

FormService

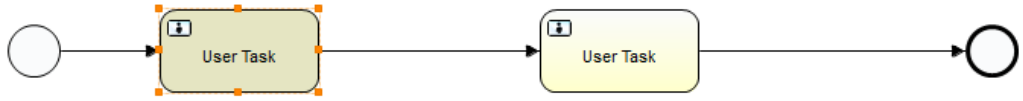
demo

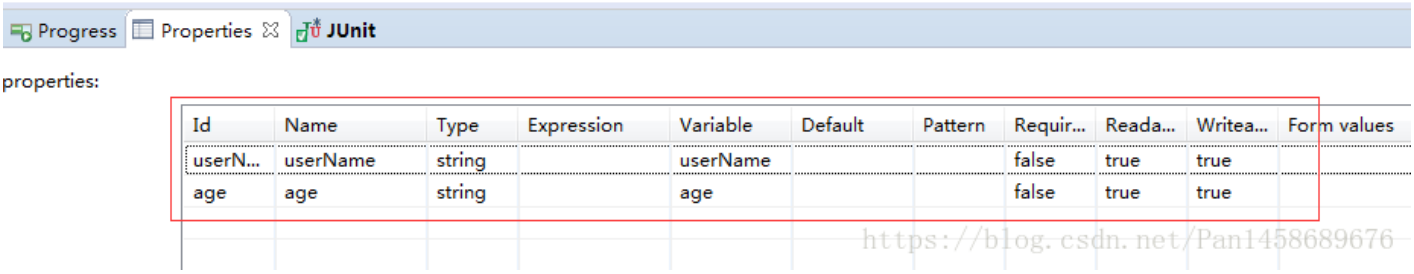
activiti:formProperty

```
<?xml version="1.0" encoding="UTF-8"?>
<definitions xmlns="http://www.omg.org/spec/BPMN/20100524/MODEL"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:activiti="http://activiti.org/bpmn"
xmlns:bpmndi="http://www.omg.org/spec/BPMN/20100524/DI"
xmlns:omgdc="http://www.omg.org/spec/DD/20100524/DC"
xmlns:omgdi="http://www.omg.org/spec/DD/20100524/DI"
typeLanguage="http://www.w3.org/2001/XMLSchema"
expressionLanguage="http://www.w3.org/1999/XPath"
targetNamespace="http://www.activiti.org/test">
```

```
  <process id="whatFk" name="whatFk" isExecutable="true">
    <startEvent id="startevent1" name="Start"></startEvent>
    <userTask id="usertask1" name="User Task">
      <extensionElements>
        <activiti:formProperty id="userName" name="userName" type="string"
variable="userName"></activiti:formProperty>
        <activiti:formProperty id="age" name="age" type="string"
variable="age"></activiti:formProperty>
      </extensionElements>
    </userTask>
    <endEvent id="endevent1" name="End"></endEvent>
    <sequenceFlow id="flow1" sourceRef="startevent1" targetRef="usertask1"></sequenceFlow>
    <userTask id="usertask2" name="User Task"></userTask>
    <sequenceFlow id="flow2" sourceRef="usertask1" targetRef="usertask2"></sequenceFlow>
    <sequenceFlow id="flow3" sourceRef="usertask2" targetRef="endevent1"></sequenceFlow>
  </process>
  <bpmndi:BPMNDiagram id="BPMNDiagram_whatFk">
    <bpmndi:BPMNPlane bpmnElement="whatFk" id="BPMNPlane_whatFk">
      <bpmndi:BPMNShape bpmnElement="startevent1" id="BPMNShape_startevent1">
        <omgdc:Bounds height="35.0" width="35.0" x="210.0" y="130.0"></omgdc:Bounds>
      </bpmndi:BPMNShape>
      <bpmndi:BPMNShape bpmnElement="usertask1" id="BPMNShape_usertask1">
        <omgdc:Bounds height="55.0" width="105.0" x="310.0" y="120.0"></omgdc:Bounds>
      </bpmndi:BPMNShape>
      <bpmndi:BPMNShape bpmnElement="endevent1" id="BPMNShape_endevent1">
        <omgdc:Bounds height="35.0" width="35.0" x="840.0" y="130.0"></omgdc:Bounds>
      </bpmndi:BPMNShape>
      <bpmndi:BPMNShape bpmnElement="usertask2" id="BPMNShape_usertask2">
        <omgdc:Bounds height="55.0" width="105.0" x="560.0" y="120.0"></omgdc:Bounds>
      </bpmndi:BPMNShape>
      <bpmndi:BPMNEdge bpmnElement="flow1" id="BPMNEdge_flow1">
        <omgdi:waypoint x="245.0" y="147.0"></omgdi:waypoint>
        <omgdi:waypoint x="310.0" y="147.0"></omgdi:waypoint>
      </bpmndi:BPMNEdge>
      <bpmndi:BPMNEdge bpmnElement="flow2" id="BPMNEdge_flow2">
        <omgdi:waypoint x="415.0" y="147.0"></omgdi:waypoint>
        <omgdi:waypoint x="560.0" y="147.0"></omgdi:waypoint>
      </bpmndi:BPMNEdge>
      <bpmndi:BPMNEdge bpmnElement="flow3" id="BPMNEdge_flow3">
        <omgdi:waypoint x="665.0" y="147.0"></omgdi:waypoint>
```

```
        <omgdi:waypoint x="840.0" y="147.0"></omgdi:waypoint>
      </bpmndi:BPMNEdge>
    </bpmndi:BPMNPlane>
  </bpmndi:BPMNDiagram>
</definitions>
```

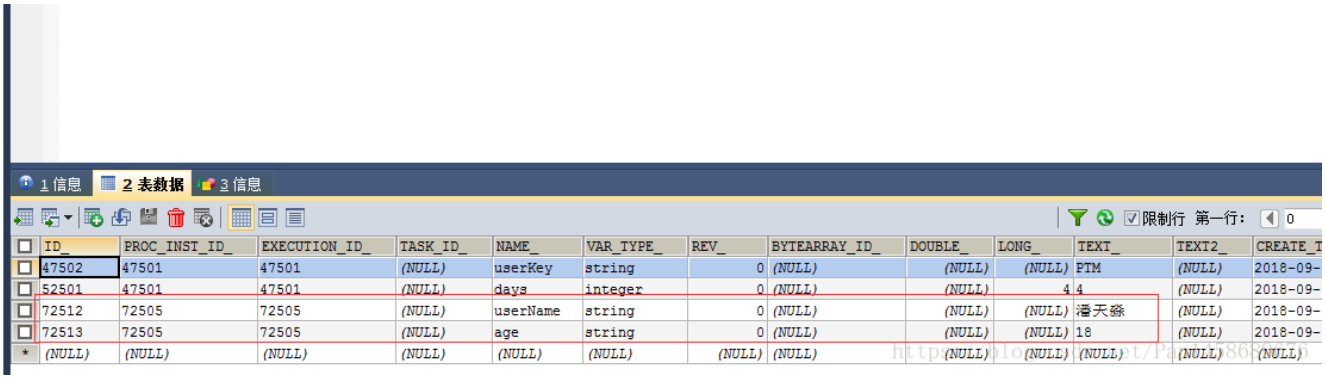





```
@Test
public void FormType(){
    Deployment dep =
repositoryService.createDeployment().addClasspathResource("bpmn/form.bpmn").deploy();
    ProcessInstance pi = runtimeService.startProcessInstanceByKey("whatFk");
    System.out.println(pi);
    HashMap<String, String> variables = new HashMap<>();
    variables.put("userName", "   ");
    variables.put("age", "18");

    Task task = taskService.createTaskQuery().deploymentId(dep.getId()).singleResult();
    formService.submitTaskFormData(task.getId(), variables);
}
```

taskID



1 信息 | 2 表数据 | 3 信息

限制行 第一行: 0

ID_	PROC_INST_ID_	EXECUTION_ID_	TASK_ID_	NAME_	VAR_TYPE_	REV_	BYTEARRAY_ID_	DOUBLE_	LONG_	TEXT_	TEXT2_	CREATE_T
47502	47501	47501	(NULL)	userKey	string	0	(NULL)	(NULL)	(NULL)	PTM	(NULL)	2018-09-
52501	47501	47501	(NULL)	days	integer	0	(NULL)	(NULL)	4	4	(NULL)	2018-09-
72512	72505	72505	(NULL)	userName	string	0	(NULL)	(NULL)	(NULL)	潘天淼	(NULL)	2018-09-
72513	72505	72505	(NULL)	age	string	0	(NULL)	(NULL)	(NULL)	18	(NULL)	2018-09-
(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

https://blog.csdn.net/Pan1458689676

```
@Test
public void FormTypeRead(){
    //75005
    Task task = taskService.createTaskQuery().processInstanceId("75005").singleResult();
    TaskFormData taskFormData = formService.getTaskFormData(task.getId());
    List<FormProperty> formProperties = taskFormData.getFormProperties();
    for (FormProperty formProperty : formProperties) {
        System.out.println(formProperty.getId() + " value=" + formProperty.getValue());
    }
}
```

task

```
2018-09-11 22:49:19.160  INFO 11220 ---
2018-09-11 22:49:19.160  INFO 11220 ---
2018-09-11 22:49:19.480  INFO 11220 ---
userName value=null
age value=null
2018-09-11 22:49:23.726  INFO 11220 ---
2018-09-11 22:49:23.730  INFO 11220 ---
```

activiti:formKey

```
    </extensionElements>
  </userTask>
  <endEvent id="endevent1" name="End"></endEvent>
  <sequenceFlow id="flow1" sourceRef="startevent1" targetRef="usertask1"></sequenceFlow>
  <userTask id="usertask2" name="User Task" activiti:formKey="bpmn/completeForm.form"></userTask>
  <sequenceFlow id="flow2" sourceRef="usertask1" targetRef="usertask2"></sequenceFlow>
  <sequenceFlow id="flow3" sourceRef="usertask2" targetRef="endevent1"></sequenceFlow>
</process>
<bpmndi:BPMNDiagram id="BPMNDiagram_whatFk">
```

https://blog.csdn.net/Pan1458689676

form

```
@Test
```

```
public void FormType(){
    Deployment dep = repositoryService.createDeployment()
            .addClasspathResource("bpmn/form.bpmn")
            .addClasspathResource("bpmn/completeForm.form")
            .deploy();
    ProcessInstance pi = runtimeService.startProcessInstanceByKey("whatFk");
    HashMap<String, String> variables = new HashMap<>();
    variables.put("userName", "   ");
    variables.put("age", "18");

    Task task = taskService.createTaskQuery().deploymentId(dep.getId()).singleResult();
    formService.submitTaskFormData(task.getId(), variables);
}
```

```
@Test
public void OutFormTypeRead(){
    System.out.println(formService.getRenderedTaskForm("105016")==null);
    HashMap<String, String> variables = new HashMap<>();
    SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
    Calendar ca = Calendar.getInstance();
    String startDate = sdf.format(ca.getTime());
    ca.add(Calendar.DAY_OF_MONTH, 2); //     2
    String endDate = sdf.format(ca.getTime());
    variables.put("startDate", startDate);
    variables.put("endDate", endDate);
    variables.put("reason", "  ");
    formService.submitTaskFormData("105016", variables);
}
```

105013	105006	105006	(NULL)	userName	string	0	(NULL)	(NULL)	(NULL)	潘大發	(NULL)	2018-09-11 23:14:
105014	105006	105006	(NULL)	age	string	0	(NULL)	(NULL)	(NULL)	18	(NULL)	2018-09-11 23:14:
107504	105006	105006	(NULL)	reason	string	0	(NULL)	(NULL)	(NULL)	公休	(NULL)	2018-09-11 23:21:
107505	105006	105006	(NULL)	endDate	string	0	(NULL)	(NULL)	(NULL)	2018-09-13	(NULL)	2018-09-11 23:21:
107506	105006	105006	(NULL)	startDate	string	0	(NULL)	(NULL)	(NULL)	2018-09-11	(NULL)	2018-09-11 23:21:
47502	47501	47501	(NULL)	userKey	string	0	(NULL)	(NULL)	(NULL)	PIM	(NULL)	2018-09-11 10:48:

form

```
    }

    @Test
    public void OutFormTypeRead(){
        System.out.println(formService.getRenderedTaskForm("112516"));
        HashMap<String, String> variables = new HashMap<>();
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
        Calendar ca = Calendar.getInstance();
```

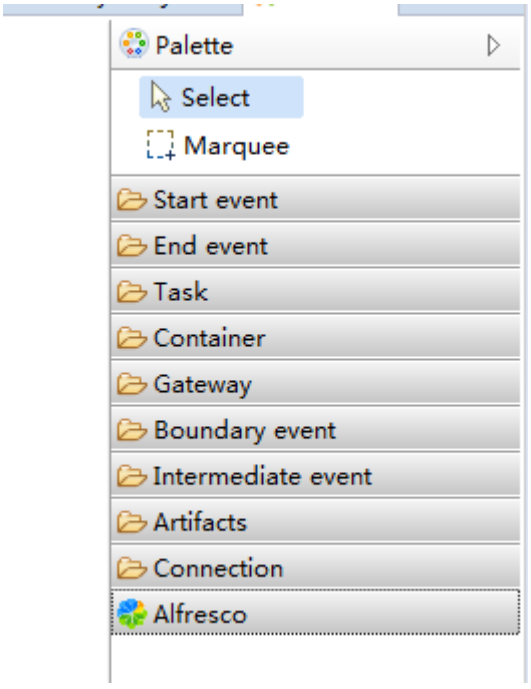
Console | Problems | Progress | Properties | JUnit

```
<terminated> ActivitiApplicationTests.OutFormTypeRead [JUnit] D:\Java\jdk1.8.0_131\bin\javaw.exe (2018年9月11日 下午11:28:49)
2018-09-11 23:28:54.148  INFO 10580 --- [       Thread-4] o.a.e.i.a.AcquireTimerJobsRunnable       : {} starting to acquir
2018-09-11 23:28:54.148  INFO 10580 --- [       Thread-5] o.a.e.i.a.ResetExpiredJobsRunnable       : {} starting to reset
2018-09-11 23:28:54.448  INFO 10580 --- [           main] com.ptm.prdemo.ActivitiApplicationTests  : Started ActivitiAppli
<div class="control-group">
    <label class="control-label" for="startDate">开始时间：</label>
    <div class="controls">
        <input type="text" id="startDate" name="startDate" class="datepicker" data-date-format="yyyy-mm-dd" required />
    </div>
</div>
<div class="control-group">
    <label class="control-label" for="endDate">结束时间：</label>
    <div class="controls">
        <input type="text" id="endDate" name="endDate" class="datepicker" data-date-format="yyyy-mm-dd" required />
    </div>
</div>
<div class="control-group">
    <label class="control-label" for="reason">请假原因：</label>
    <div class="controls">
        <textarea id="reason" name="reason" required></textarea>
    </div>
</div>
2018-09-11 23:28:57.088  INFO 10580 --- [       Thread-6] s.c.a.AnnotationConfigApplicationContext : Closing org.springfra
```

https://blog.csdn.net/Pan1458689676

HTML OK HTML

activiti managementService BPMN2.0



Revision #1
Created 25 March 2020 16:31:56 by
Updated 2 April 2020 16:37:05 by