

## Contents

## Manual:Extension/Workflows/Activity/GroupVote

### Description

The activity *GroupVote* is responsible for collecting necessary data about the voting of a group on a special topic. Unlike the [UserVote](#), it is not possible to delegate the task. A user that is part of a group can accept or decline a vote and also leave a comment that justifies their decision. The voting result is determined by whatever threshold has been reached first and ends the activity.

| Short profile                    |               |
|----------------------------------|---------------|
| Name                             | GroupVote     |
| Async                            | No            |
| BPMN type                        | bpmn:userTask |
| BPMN Extension Element "wf:type" | group_vote    |

### Properties

| Name of property | Description                                                                                                                                                                                                                                                                                                                                                                                    | Type               |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| due_date         | Due date for task completion                                                                                                                                                                                                                                                                                                                                                                   | date<br>/timestamp |
| assigned_group   | Name of the user group that should vote; can be plain grouname as used in the DB (e.g. "sysop")                                                                                                                                                                                                                                                                                                | string             |
| instructions     | Text that is shown to the group of user, so they know what to vote about                                                                                                                                                                                                                                                                                                                       | string             |
| users_voted      | <p>Not to be set in the workflow definition. Used to store data during the activities life cycle. E.g.</p> <pre>[<br/>  { "userName": "UserA", "vote": "yes", "comment":<br/>    "Good" },<br/>  { "userName": "UserB", "vote": "no", "comment":<br/>    "Not good" }<br/>]</pre> <p>Can be accessed by follow up activities by e.g.</p> <pre>{{&lt;GroupVoteActivityID&gt;.0.userName}}</pre> | string             |

|                                  |                                                                                                        |                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------|------------------|
| <code>threshold_yes_unit</code>  | can be <code>user</code> or <code>percent</code> - absolute number of users required to approve a page | user,<br>percent |
| <code>threshold_yes_value</code> | number of users or percentage of users required to approve a page                                      |                  |
| <code>threshold_no_unit</code>   | can be <code>user</code> or <code>percent</code> - absolute number of users required to reject a page  | user,<br>percent |
| <code>threshold_no_value</code>  | number of users or percentage of users required to reject a page                                       |                  |

## Full example

Once one of the thresholds is reached, the activity will be completed and a `<bpmn:exclusiveGateway>` (referenced by `<bpmn:outgoing>`) will be called. It will choose its outgoing `<bpmn:sequenceFlow>` by mapping its `name` to the "type" of the threshold that has been reached.

In this example, after the first user either voted yes or no, the workflow will simply reach the end point:

```
<?xml version="1.0" encoding="UTF-8"?>
<bpmn:definitions xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:wf="http://hallowelt.com/schema/bpmn/wf" xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL" xmlns:bpmndi="http://www.omg.org/spec/BPMN/20100524/DI" xmlns:dc="http://www.omg.org/spec/DD/20100524/DC" xmlns:di="http://www.omg.org/spec/DD/20100524/DI" id="Definitions_lvr9lfw" targetNamespace="http://bpmn.io/schema/bpmn" exporter="bpmn-js (https://demo.bpmn.io)" exporterVersion="8.7.1">
  <!-- Process part -->
  <bpmn:process id="Group_Vote" isExecutable="false">
    <bpmn:extensionElements>
      <wf:context>
        <wf:contextItem name="pageId"/>
        <wf:contextItem name="revision"/>
      </wf:context>
    </bpmn:extensionElements>
    <!-- StartEvent -->
    <bpmn:startEvent id="TheStart">
      <bpmn:outgoing>FromTheStartToGroupVote</bpmn:outgoing>
    </bpmn:startEvent>
    <bpmn:sequenceFlow id="FromTheStartToGroupVote" sourceRef="TheStart" targetRef="GroupVote"/>
    <!-- Collect group vote -->
    <bpmn:userTask id="GroupVote" name="GroupVote">
      <bpmn:extensionElements>
        <wf:type>group_vote</wf:type>
      </bpmn:extensionElements>
      <bpmn:property name="assigned_group">QM-reviewer</bpmn:property>
      <bpmn:property name="instructions">Please vote</bpmn:property>
      <bpmn:property name="comment"/>
      <bpmn:property name="vote">vote</bpmn:property>
      <bpmn:property name="users_voted"/>
      <bpmn:property name="due_date">{{#time:YmdHis|now + 7days}}</bpmn:property>
      <bpmn:property name="threshold_yes_unit">user</bpmn:property>
      <bpmn:property name="threshold_yes_value">1</bpmn:property>
    </bpmn:userTask>
  </bpmn:process>
</bpmn:definitions>
```

```
<bpmn:property name="threshold_no_unit">user</bpmn:property>
<bpmn:property name="threshold_no_value">1</bpmn:property>

<bpmn:incoming>FromtheStartToGroupVote</bpmn:incoming>
<bpmn:outgoing>FromGroupVoteToGatewayGroupVote</bpmn:outgoing>
</bpmn:userTask>
<bpmn:sequenceFlow id="FromGroupVoteToGatewayGroupVote" sourceRef="GroupVote" targetRef="GatewayGroupVote"/>
<!-- Check on voting -->
<bpmn:exclusiveGateway id="GatewayGroupVote" name="GroupVote.vote">
  <bpmn:incoming>FromGroupVoteToGatewayGroupVote</bpmn:incoming>
  <bpmn:outgoing>FromGatewayGroupVoteToTheEndYes</bpmn:outgoing>
  <bpmn:outgoing>FromGatewayGroupVoteToTheEndNo</bpmn:outgoing>
</bpmn:exclusiveGateway>
<bpmn:sequenceFlow id="FromGatewayGroupVoteToTheEndYes" name="yes" sourceRef="GatewayGroupVote" targetRef="TheEnd"/>
<bpmn:sequenceFlow id="FromGatewayGroupVoteToTheEndNo" name="no" sourceRef="GatewayGroupVote" targetRef="TheEnd"/>
<!-- EndEvent -->
<bpmn:endEvent id="TheEnd">
  <bpmn:incoming>FromGatewayGroupVoteToTheEndYes</bpmn:incoming>
  <bpmn:incoming>FromGatewayGroupVoteToTheEndNo</bpmn:incoming>
</bpmn:endEvent>
</bpmn:process>
</bpmn:definitions>
```