

Condition Participant Plugin

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Introduction

Condition Participant is a plugin that lets you control which user is going to participate in a process with more complex use cases because it allows different types of conditions (in Javascript) which include hash variables and so on.

Get started

The easiest way to see how the Condition Participant plugin is to create a process first. Here are the steps:

Steps To Import This Plugin

1. Go to the website https://marketplace.joget.com/jw/web/userview/mp/mpp/_/vad?id=condition-participant
2. Click "Download" on this plugin screen (It will be a .jar file).
3. Go to your Joget Workflow localhost or server and log in as admin.
4. In Joget Console navigate to "Admin Bar>Systems Settings>Manage Plugins" and click the "Upload Plugins" button.
5. In "Upload Plugin", select the plugin .jar file you just downloaded, then click "Upload".
6. You should be able to view the newly installed plugin under the Installed Plugins tab.
7. This plugin type will show up when you map participants to users.
8. Remember to always [uninstall](#) the old plugin before uploading a new version.
9. The Joget Workflow Knowledge Base has more information on [managing](#) and [developing plugins](#).

Steps to use the Plugin

1. Start the Joget server and open the [App Centre](#).

2. Login as admin and click on **Design New App** (See Figure 1) or click on existing application.

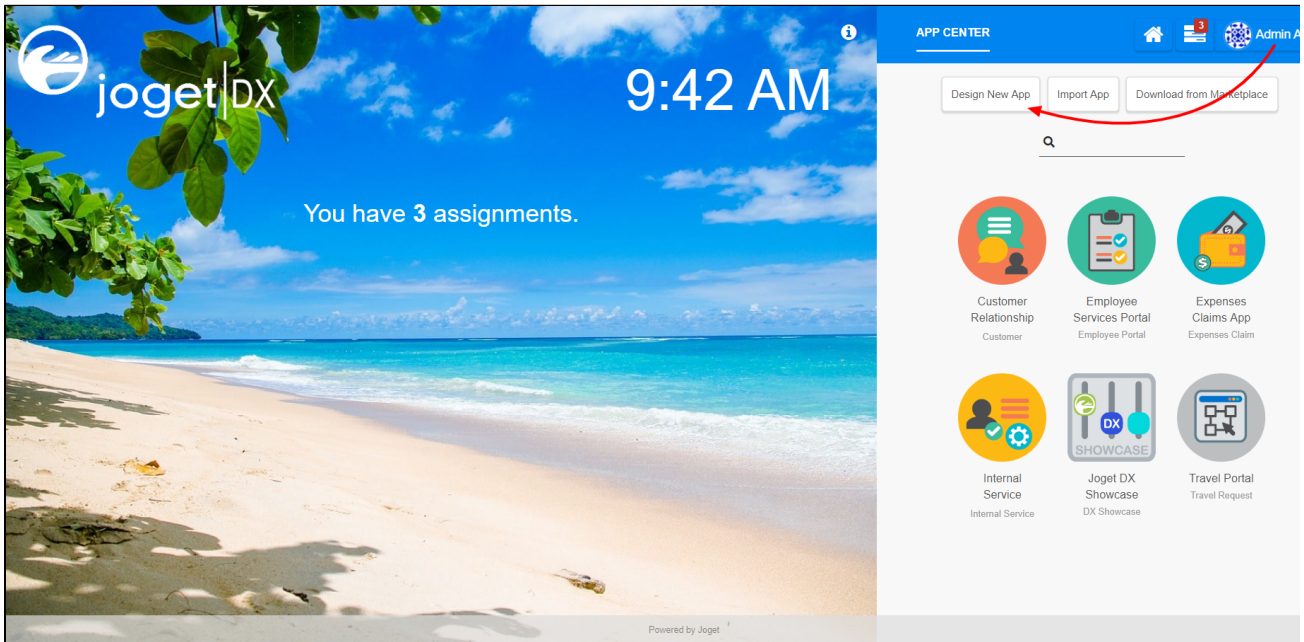


Figure 1 Design New App

3. For a new application, fill up the App Details and click on the **Save** button. (See Figure 2)

DESIGN NEW APP

App Details

App ID

javascriptConditionalParticipant

*

App Name

Javascript Conditional Participant

*

Show Advanced Options

Save

Cancel

Figure 2 Fill up App Details

4. Create New Form, fill up Form Details and click on the **Save** button. (See Figure 3)

CREATE NEW FORM

FORM DETAILS

Form ID

basicInfo

*

Form Name

Basic Info

*

Table Name

app_fd_ jcp_a

*

Description

Show Advanced Options

Save

Cancel

Figure 3 Fill up Form Details

5. Generate an approval process app by clicking the generate app button in the form builder.

6. Search for the Map Participants to Users tab in Processes.

7. Click on the Add/Edit Mapping button. (See Figure 4)

Design App:
Javascript Conditional Participant

Version 1 Published

Forms & UI

Processes

Properties & Export

Performance

Logs

All Apps

Show Additional Info

[Map Participants to Users](#)
[Map Activities to Forms](#)
[Map Tools to Plugins](#)
[Map Routes to Plugins](#)
[Variable List](#)

This is the list of participants defined in the Workflow design.

Type	Value	Action
Applicant	ID : basicInfo_applicant	Add/Edit Mapping
	<div> Type Performer Value Activity Definition ID : runProcess Remove Mapping </div>	
Approver	ID : basicInfo_approver	Add/Edit Mapping
	<div> Type Plugin Value Javascript Conditional Participant (Plugin Version 6.0.0) Remove Mapping Configure Plugin </div>	

Figure 4 Add/Edit Mapping button

8. Select the Map to Plugin tab and search for the Condition Participant plugin. (See Figure 5)

MAP PARTICIPANTS TO USERS - APPROVER (BASICFORM_APPROVER)

Map to User or GroupMap to Org ChartMap to Workflow VariableMap to Plugin

Search

<input type="radio"/>	PLUGIN NAME	PLUGIN DESCRIPTION	PLUGIN VERSION
<input type="radio"/>	Bean Shell Tool	Executes standard Java syntax	5.0.0
<input type="radio"/>	Condition Participant	Define assignees by specifying usernames.	7.0.0

15Page 1 of 1Displaying 1 to 2 of 2 items

Submit

Figure 5 Select Condition Participant plugin

9. For example, fill up the script element with `1==1` because we want the script to always return true and the username element as `cat` because we want Cat Grant to be the approver for every form submitted. (See Figure 6)

PLUGIN CONFIGURATION - APPROVER (BASICFORM_APPROVER)

Condition Participant

Participant

JAVASCRIPT *

1==1

USERNAME *

cat

Debug Mode

☒

SubmitChange Plug

Figure 6 Configure Condition Participant plugin

10. Hash variables can also be used in the script element in order to satisfy more complex use cases. For example, we can use "#currentUser.id#" == "admin" in the script element and Clark so that when the admin submits a form, Clark Kent will be assigned as the approver.

11. Run a new process by clicking the Run Process button on the Processes page.

12. In this case, the approval process will be assigned to Cat Grant and we can confirm this by checking the monitor. (See Figure 7)

Monitor Apps

Running Processes

Completed Processes

Audit Trail

Tomcat Logs

System Logs

Performance

Re-evaluate

Re-evaluate Assignment(s) For User

Reassign User

Complete

Process Instance

Activity ID

Activity Definition ID

Activity Name

State

Service Level Monitor

List of Pending

Create time

Date limit

Due date

Delay

Finish time

Time From Date Created

49_javascriptConditionalParticipant_basicInfo_approver_process

134_49_javascriptConditionalParticipant_basicInfo_approver_process_approval

approval

Approval

open.not_running.not_started

-

cat

16-02-2020 08:39 AM

Figure 7 Approver Confirmation

Condition Participant Properties

General

PLUGIN CONFIGURATION - APPROVER (BASICFORM_APPROVER)

Condition Participant

Participant

JAVASCRIPT*

USERNAME*

"#currentUser.id#" == "admin"

cat

+

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Debug Mode

☒

Submit

Change Plugin

Name	Description
Javascript*	<p>Javascript condition is used in the script element to determine who will participate in the process. Hash variables are usable here.</p> <p>For example, you may key in values such as <code>"#currentUser.id#" == "admin"</code> so that when you run this process as the Admin, it will return as true and the participant will be determined by the Username Field.</p> <div><div>Sample</div><div><code>"#currentUser.id#" == "admin"</code></div></div> <p>This is a mandatory field.</p>
Username*	The username of the participant. This is a mandatory field.
Debug Mode	Turn on the debug mode to show the plugin details in the system log to find bugs for the script.

Source Code



condition-participant.zip