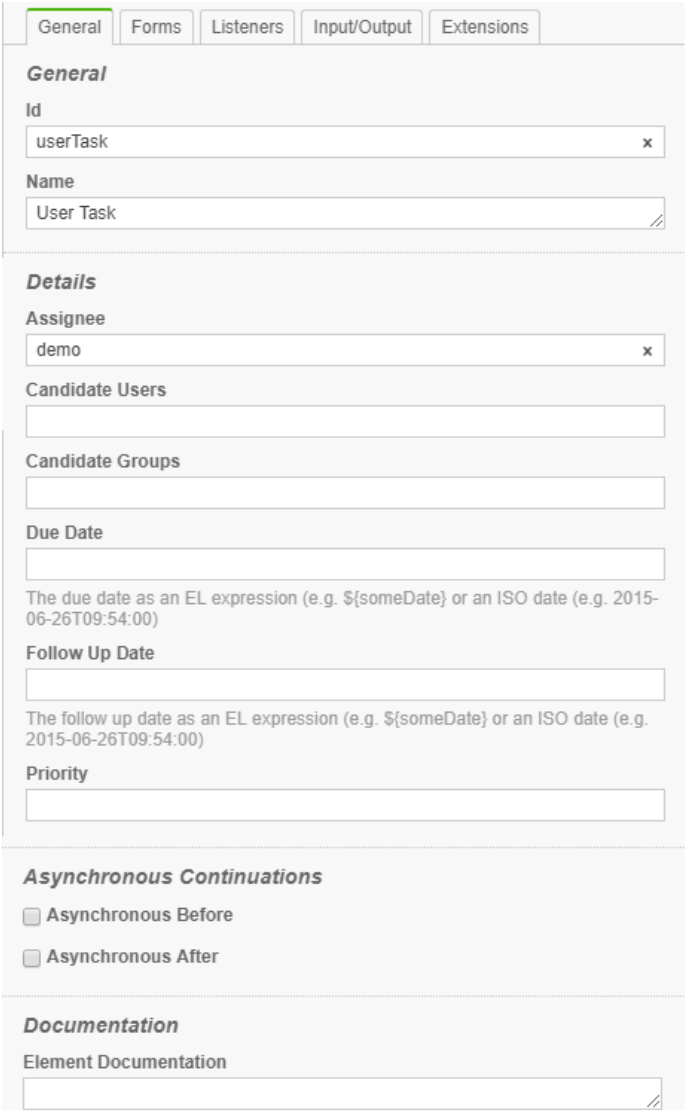
User task

In this session we will go through user task.

A User Task is used to model work that needs to be done by a human actor. When the process execution arrives at such a User Task, a new task is created in the task list of the user(s) or group(s) assigned to that task.

User Task Properties:

General:



Id: Id of task

Name: Name of task

Assignee: This custom extension allows direct assignment of a User Task to a given user.

Candidate Users: This custom extension allows you to make a user a candidate for a task.

Candidate Groups: This custom extension allows you to make a group a candidate for a task.

Due Date: Each task has a field indicating the due date of that task. The Query API can be used to query for tasks that are due on, before or after a certain date.

The due date of a task can also be altered using the TaskService or in TaskListeners using the passed DelegateTask.

Follow Up Date: Each task has a field indicating the follow up date of that task. The Query API can be used to query for tasks that need to be followed up on, before or after a certain date.

Priority: The attribute specifies the initial priority of a User Task when it is created.

Default value is valid java long value : 50

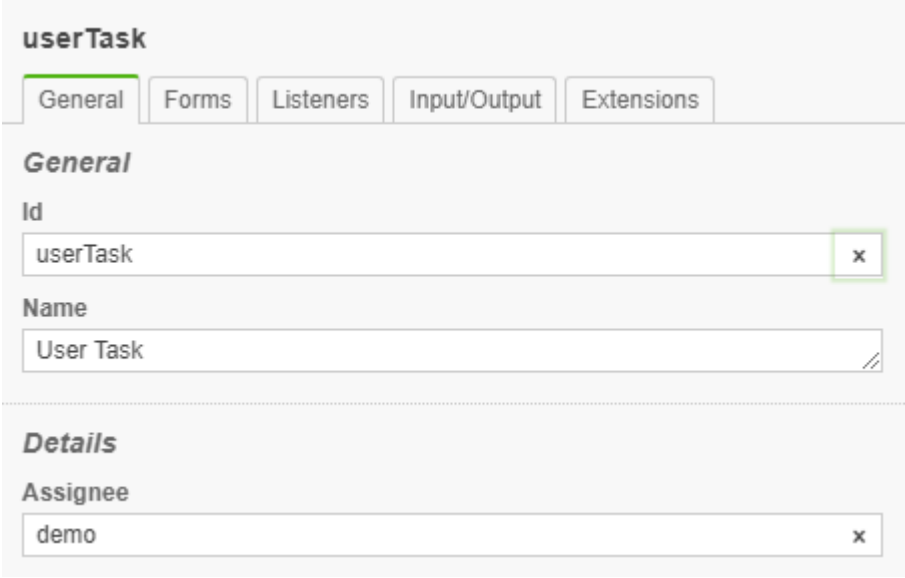
Asynchronous Before: Specifies an asynchronous continuation after an activity

Asynchronous After: Specifies an asynchronous continuation before an activity

Element Documentation: A User Task can also have a description. In fact, any BPMN 2.0 element can have a description. A description is defined by adding the documentation element.

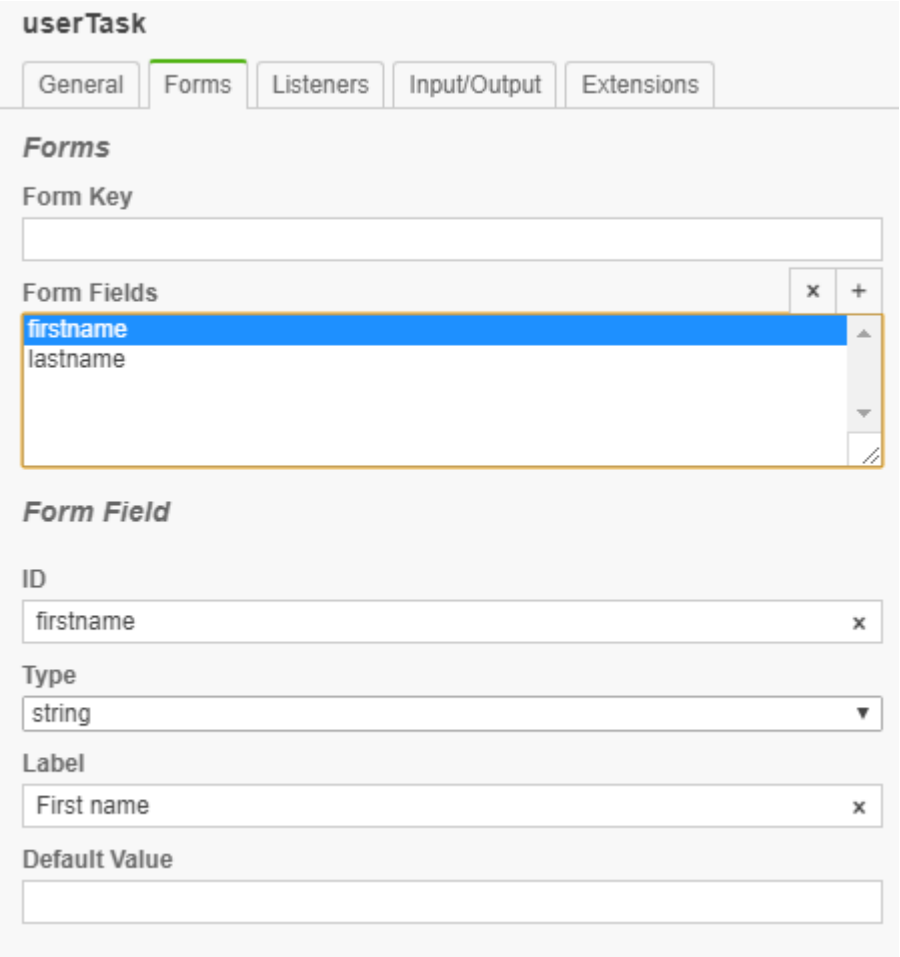
Exercise User Task with Assignee:

User Task Properties:



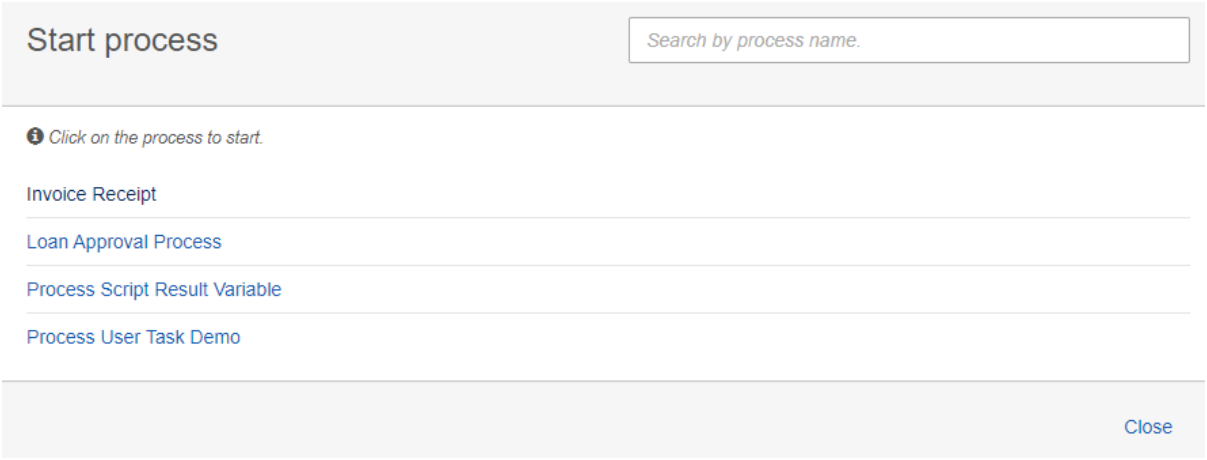
This user task is assigned to demo user.

Task Form:



When user task is created. Default form with field firstname and lastname will be presented to user demo.

Deploy and Test the process

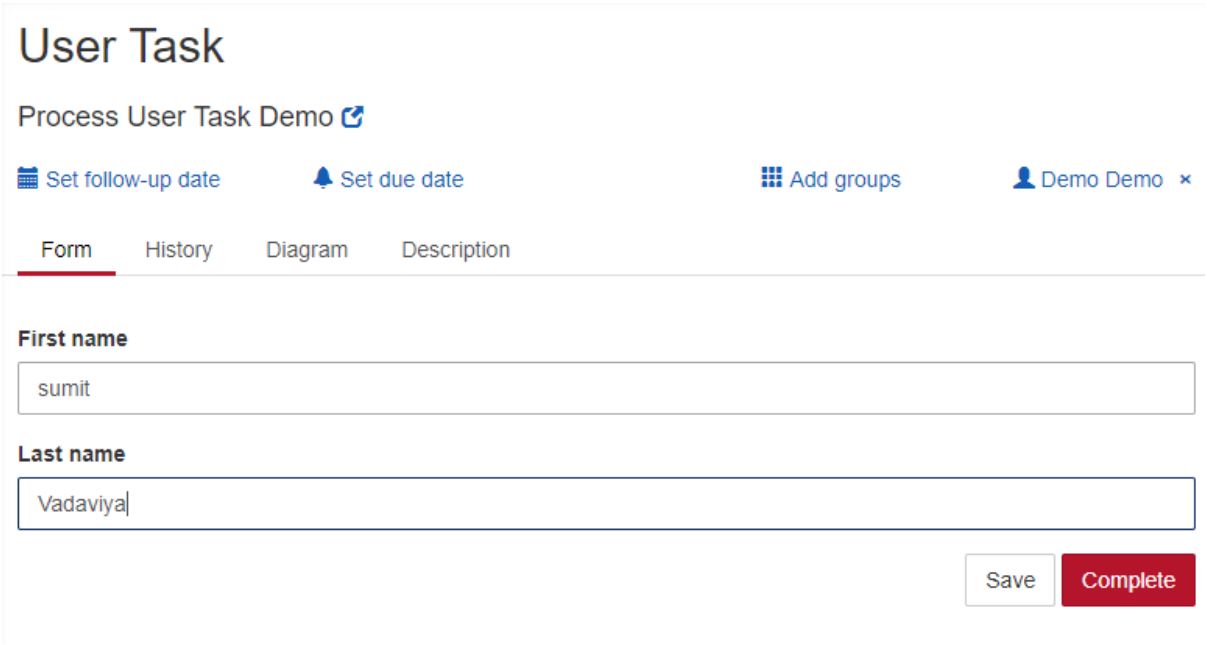


Start Process:

Start Process User Task Demo.

User task:

User task will be created and assigned to demo user as below

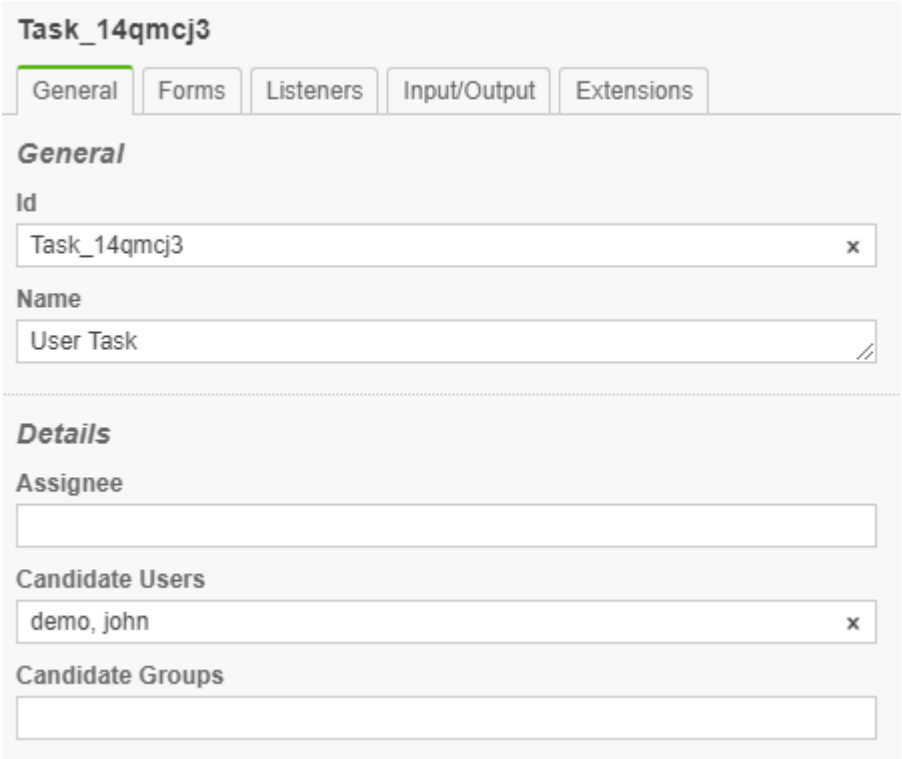


Click the Complete button.

Process will be completed.

Exercise User Task with Candidate User:

User Task Properties:



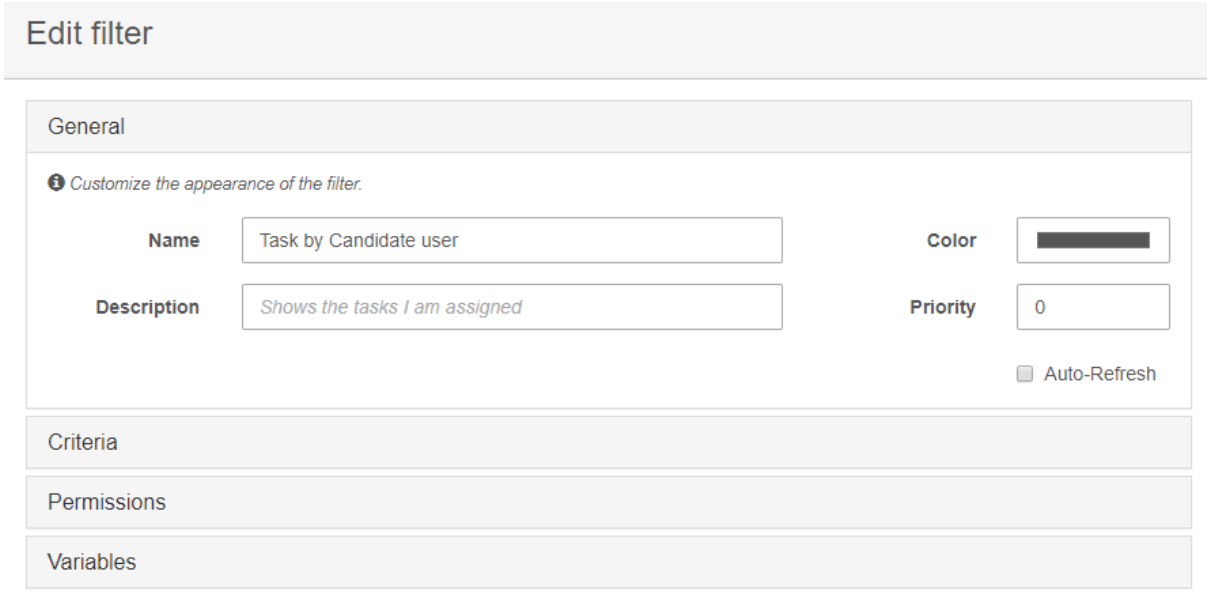
Demo and john user will be candidate for this user task to work on.

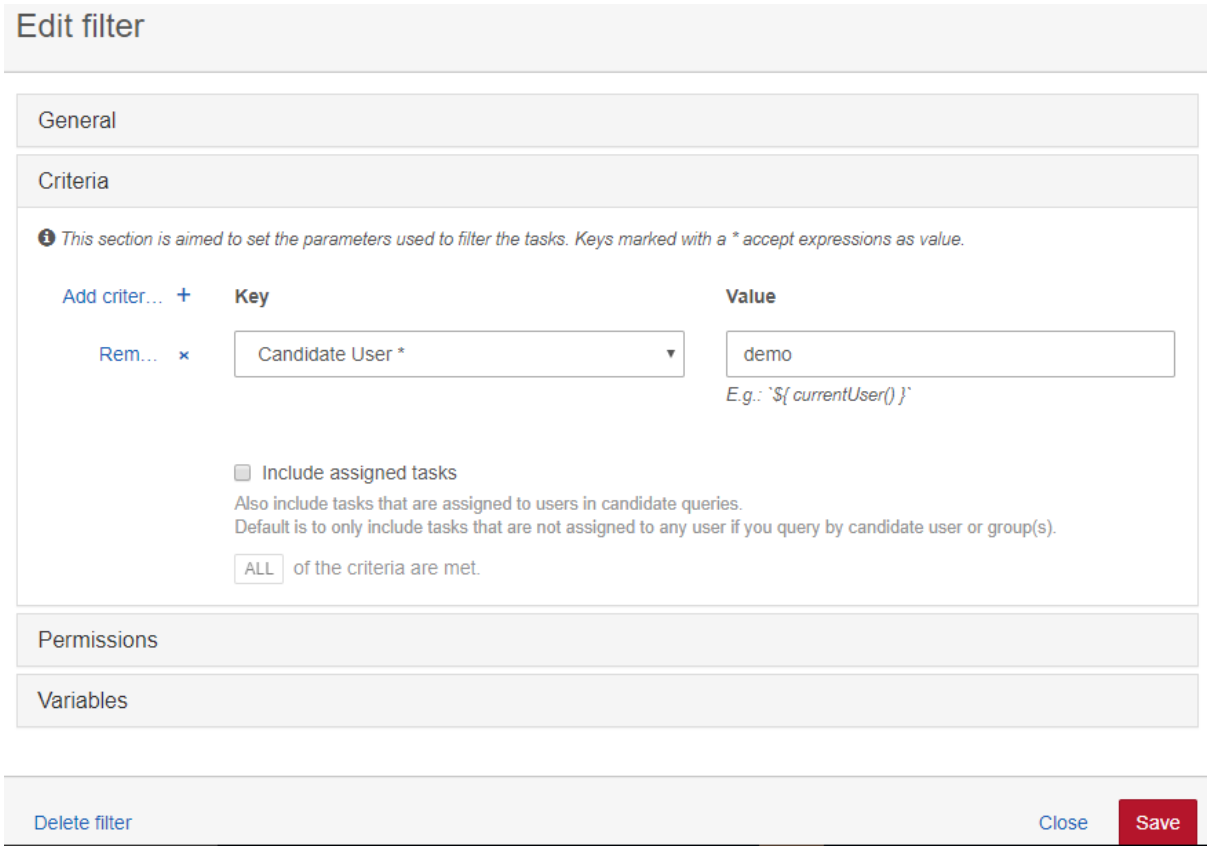
Deploy the process

Login as demo user to Camunda TaskList application.

Create Filter:

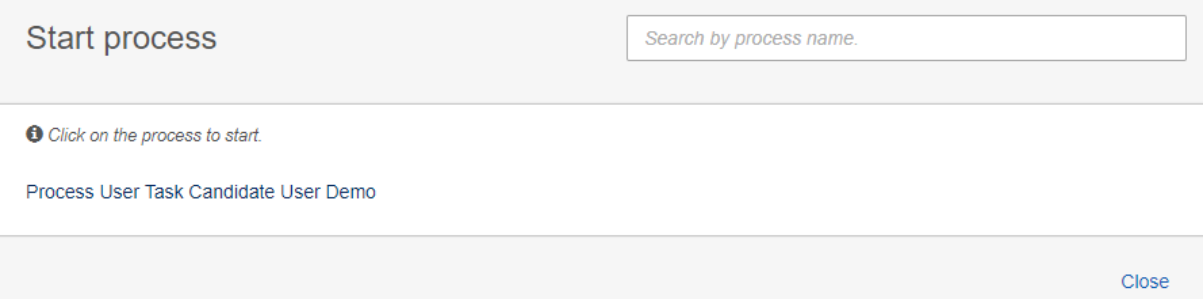
Create filter to list user task which demo user can work on.



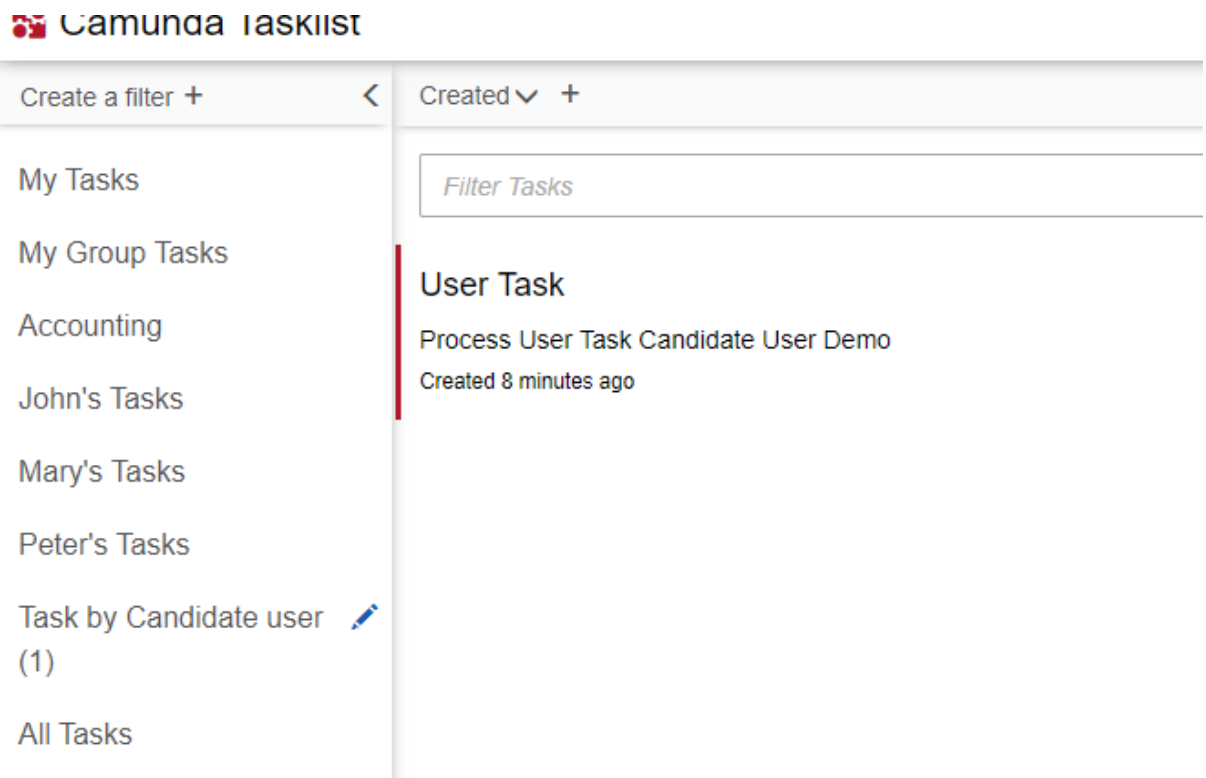


Save the filter configuration.

Start the Process

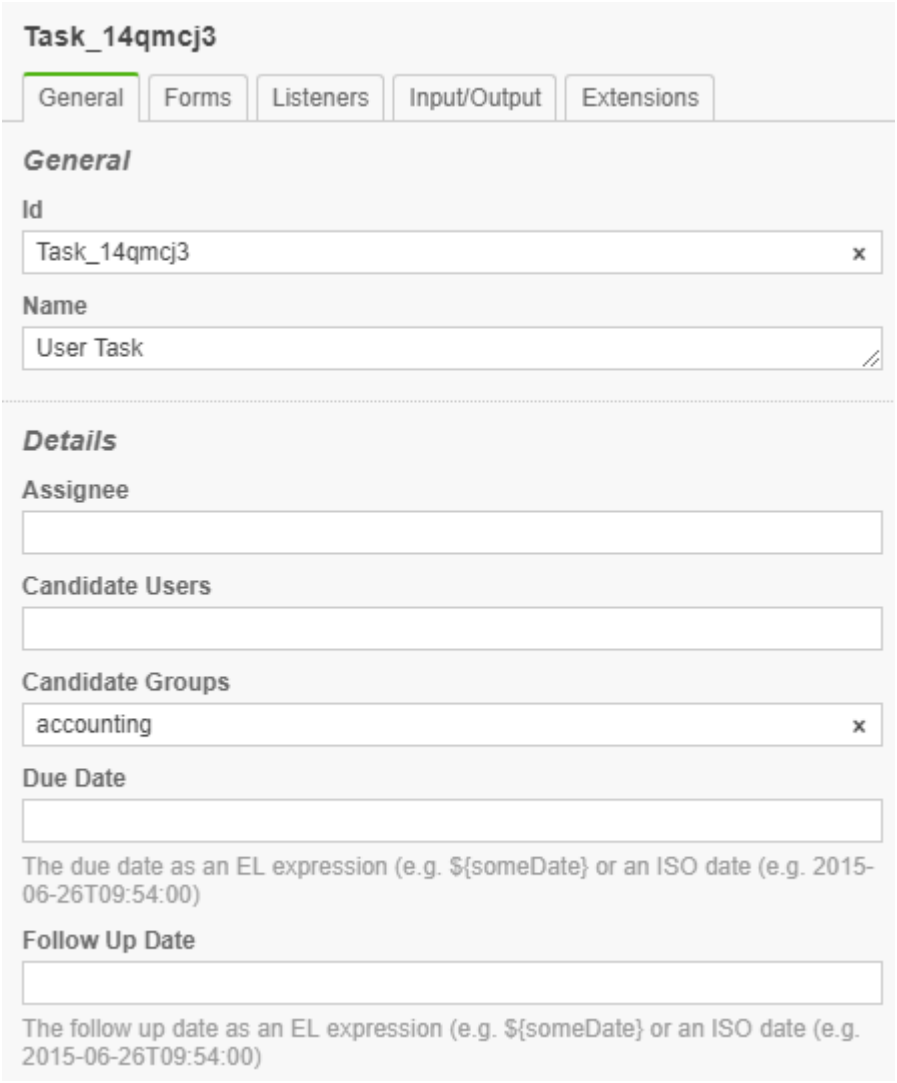


Claim and complete user task:



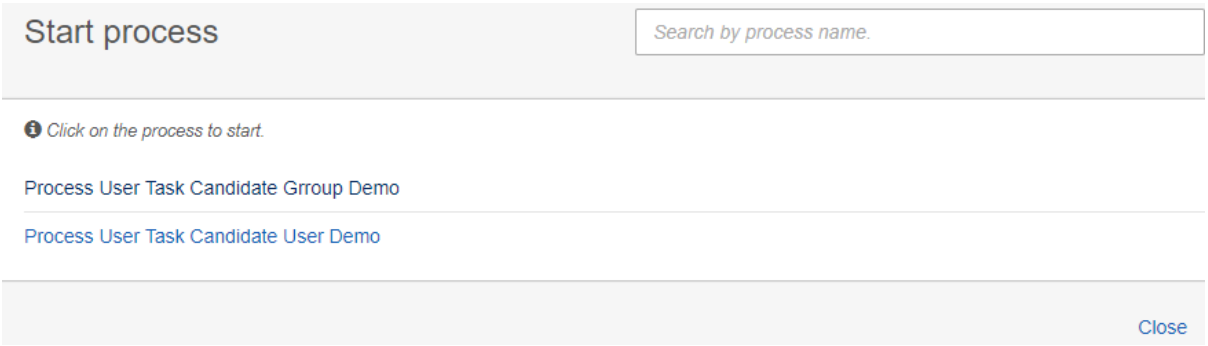
You can see filter Task by Candidate user has on task which demo user can claim and complete.

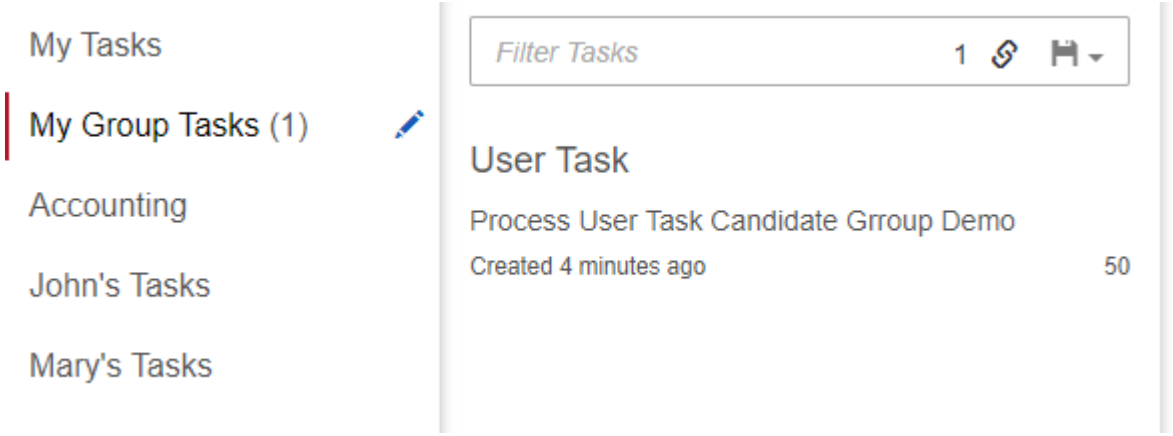
User Task with Candidate Groups:



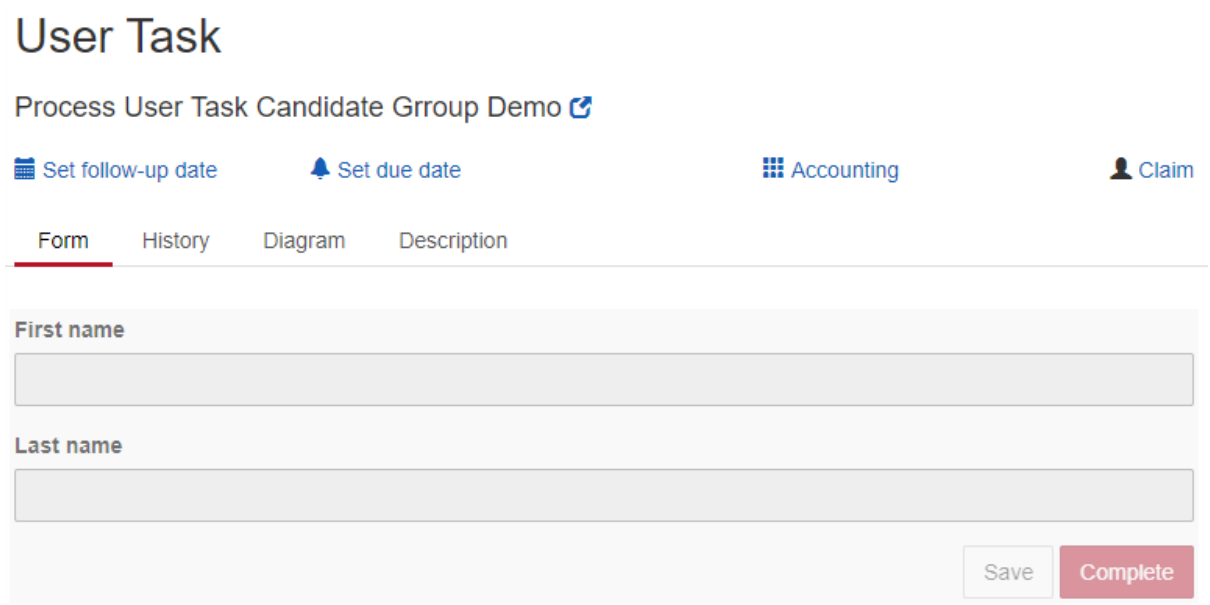
Deploy the process

Start the process





Task Detail

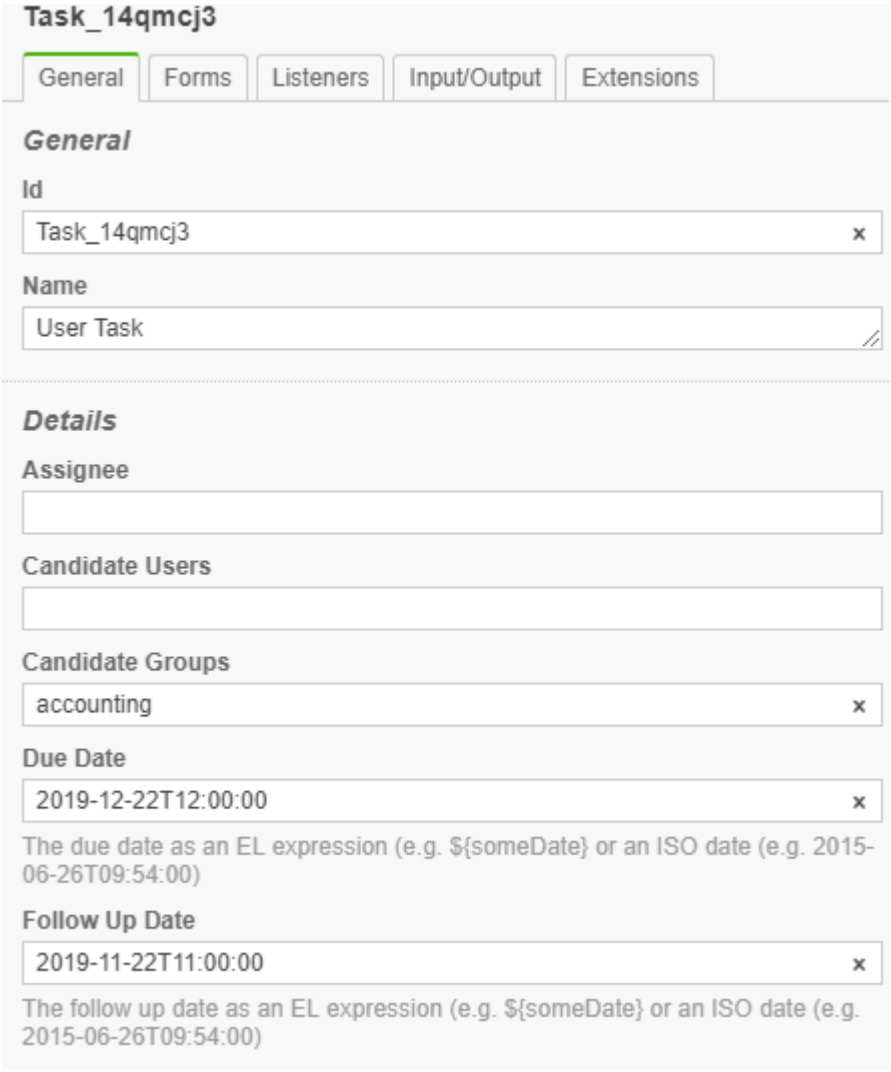


User task is assigned to accounting group.

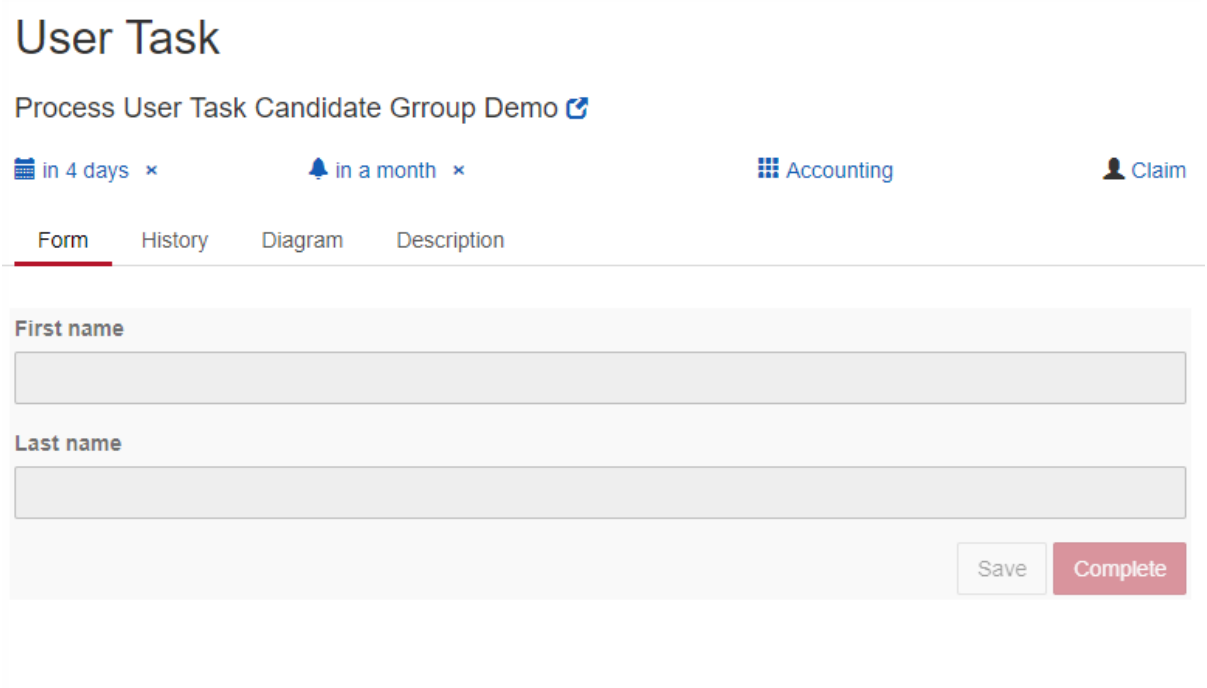
User can claim and complete the task

User Task Due Date:
Set Due Date to 2019-12-22T12:00:00

User Task Follow Up Date:
Set Follow Up Date to 2019-11-22T11:00:00



Deploy the process and Start process



Deploy User Task Form Field Validation

Validation can be used for specifying frontend and backend validation of form fields. Camunda BPM provides a set of built-in form field validators and an extension point for plugging in custom validators.

The following built-in validators are supported out of the box:

Validator	Explanation
required	Applicable to all types. Validates that a value is provided for the form field. Rejects 'null' values and empty strings. eg. <camunda:constraint name="required" />
minlength	Applicable to string fields. Validates minlength of text content. Accepts 'null' values. eg. <camunda:constraint name="minlength" config="4" />

maxlength	Applicable to string fields. Validates maxlength of text content. Accepts 'null' values. eg. <camunda:constraint name="maxlength" config="25" />
min	Applicable to numeric fields. Validates the min value of a number. Accepts 'null' values. eg. <camunda:constraint name="min" config="1000" />
max	Applicable to numeric fields. Validates the max value of a number. Accepts 'null' values. eg. <camunda:constraint name="max" config="10000" />
readonly	Applicable to all type. Makes sure no input is submitted for given form field. eg. <camunda:constraint name="readonly" />