THE FIRST PROCESS SERVICE

BPM Lab #2

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Red Hat

Today

Human tasks, gateways, signal events and forms

3 April

Presentation: The latest business automation trends

At the lab: Camunda 8 SaaS, DMN, custom services, emails, subprocesses, timer events, error events, and data object collections

15 May - 22 May

Project consultations

HOMEWORK

Deadline: 13 March 2025 (1 week)

Assignment:

- Individual task on your or university's PC
- Submit the homework project for evaluation into the MUNI system (Homework vault/Odevzdávárna **HW1_camunda**)

HOMEWORK IN 3 STEPS

DOMAIN FORM

Create Order form

PROCESS MODEL

Create DeliveryProcess model with a single human task to do a manual delivery of the order

AUTOMATION

Use gateway and signal event to automate delivery

Instructions

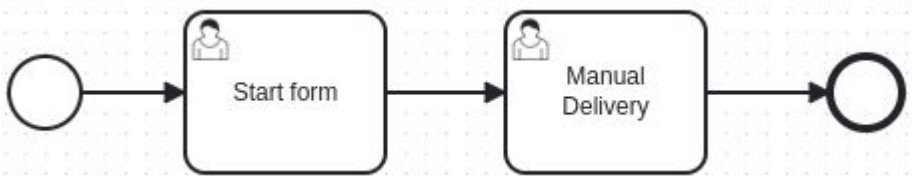
The following instructions will help you complete your homework.

Step #1: Order Form

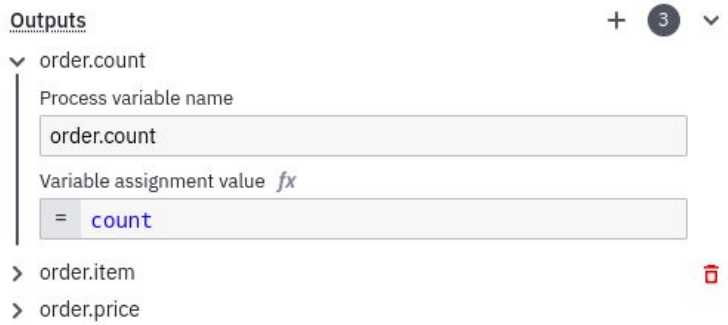
- Create the form and **save it** (e.g. into a dedicated folder)
- Add a Text view with text Order (you can use Markdown, e.g. **## Order** for formatting)
- Add these fields to the form:
  - **Count** of type **Number** with key **count**
  - **Item** of type **Text field** with key **item**
  - **Price** of type **Number** with key **price**
- You can also add validation, e.g. Count and Price cannot be negative

Step #2: Create DeliveryProcess

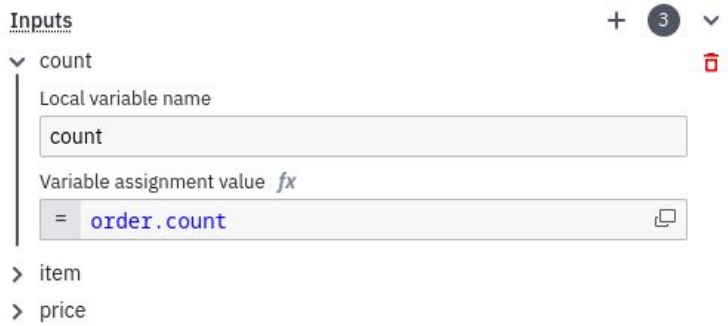
- Create a process definition called **DeliveryProcess**



- **Configure Start Form** user task with the following **outputs**[1]:



- **Configure Manual Delivery** user task with the following **inputs**[1]:



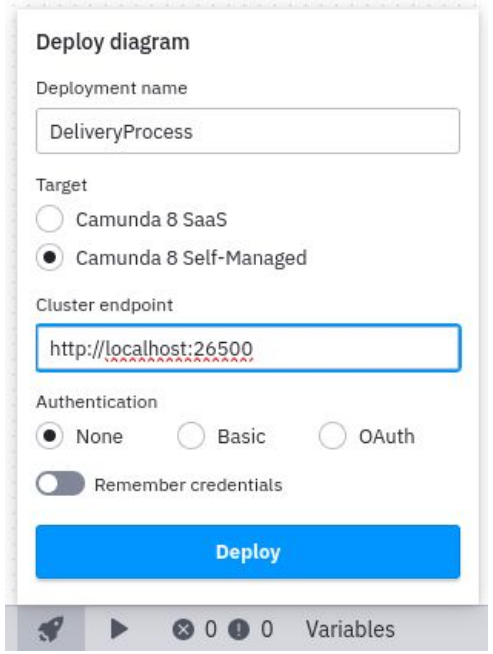
- **Save the process definition**

[1] Remaining variables **item** and **price** are defined analogously

Step #3: Deploy the project

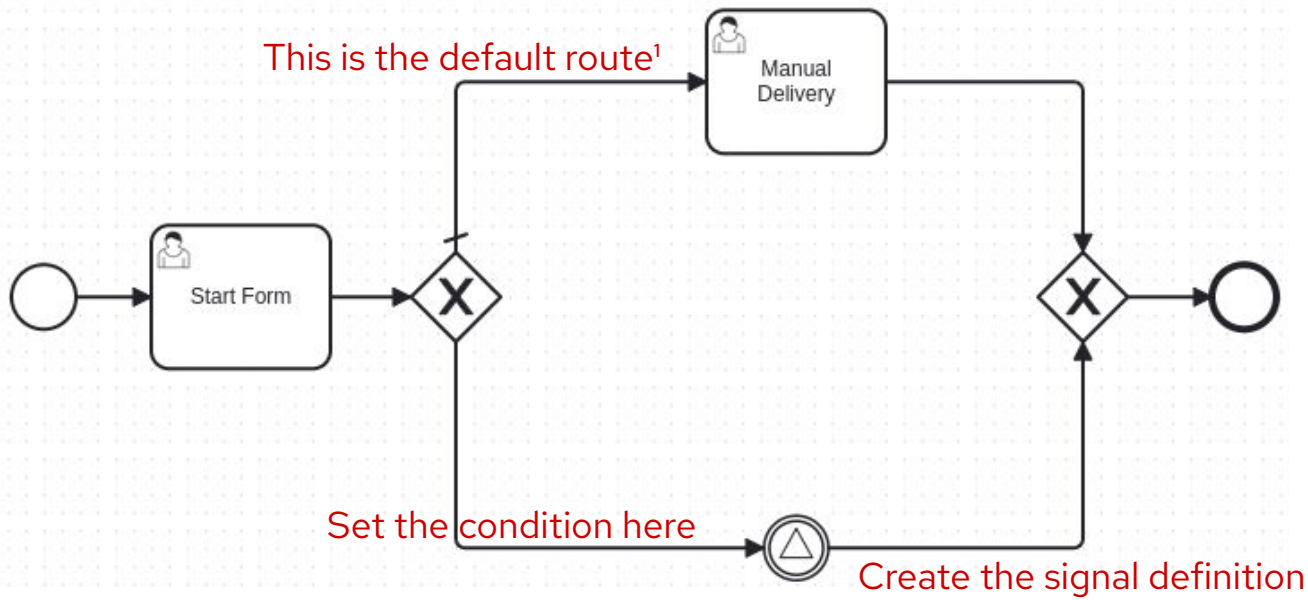
- Using Modeler, deploy **Order Form** and **DeliveryProcess**

- Try to run the process instance and complete the **Manual Delivery** user task



Step #4: Automate Delivery

- Add a field **Mode** of type **Select** (2 static options: **Drone, Manual**) with key **mode** to the **Order Form**, this will represent the mode of delivery, and **Save it**
- Extend the process definition like in the picture and **Save it**



¹ Click on the sequence flow, click on the wrench icon and then select Default flow

Step #5: Try running it

- Redeploy form and process definition
- Run the process with both “Manual” and “Drone” mode
- With the “Manual” mode specified, the **Manual Delivery** human task should be created
- With the “Drone” mode specified, the process instance should wait for a signal which you can send using another simple process definition (SignalTrigger):

Step #6: Export Project

- Put all assets you created (Form, DeliveryProcess definition, SignalTrigger definition) in one folder and make an archive from them

- Upload the archive to the Homework Vault/Odevzdávárna **HW1_camunda**

Thank you

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