

# BusinessProcessTechnologies

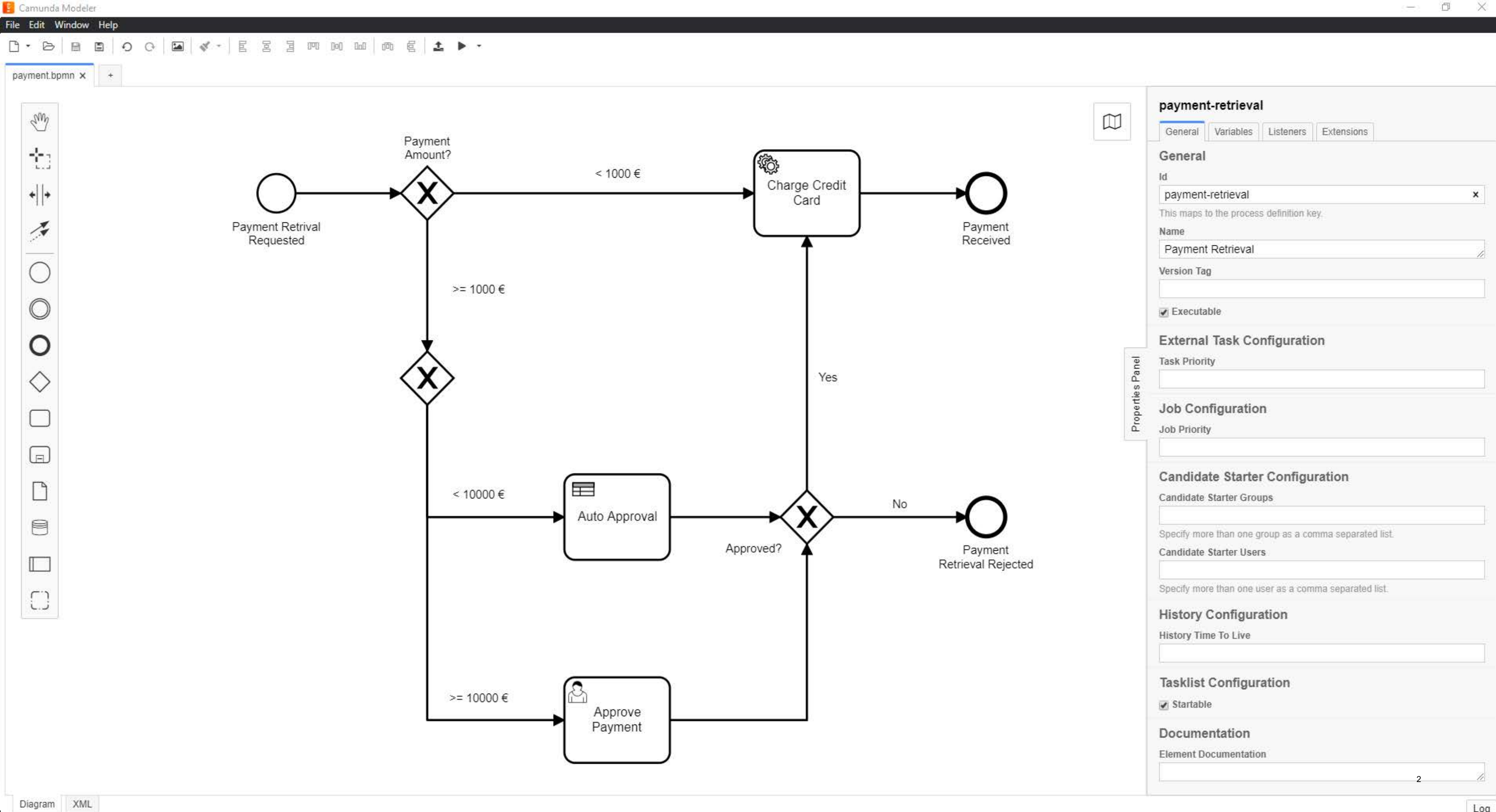
ST2, Winter Term 2020 / 2021

Sheet 6: Workflows with Camunda

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**Please upload a screenshot of:**

- 1. the resulting process,**
- 2. the decision table**
- 3. and the console output.**







7 - 20201203 - charge-card-worker/src/main/java/org/camunda/bpm/getstarted/ChargeCardWorker.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

charge-card-worker

src/main/java

org.camunda.bpm.getstarted.chargecard

ChargeCardWorker.java

ChargeCardWorker

LOGGER

main(String[]): void

src/main/resources

src/test/java

src/test/resources

JRE System Library [JavaSE-1.8]

Maven Dependencies

src

main

test

target

pom.xml

charge-card-worker/pom.xml

ChargeCardWorker.java

```
1
2 package org.camunda.bpm.getstarted.chargecard;
3
4 import java.awt.Desktop;
5 import java.net.URI;
6 import java.util.logging.Logger;
7
8 import org.camunda.bpm.client.ExternalTaskClient;
9
10 public class ChargeCardWorker {
11     private final static Logger LOGGER = Logger.getLogger(ChargeCardWorker.class.getName());
12
13     public static void main(String[] args) {
14         ExternalTaskClient client = ExternalTaskClient.create()
15             .baseUrl("http://localhost:8080/engine-rest")
16             .asyncResponseTimeout(10000) // long polling timeout
17             .build();
18
19         // subscribe to an external task topic as specified in the process
20         client.subscribe("charge-card")
21             .lockDuration(1000) // the default lock duration is 20 seconds, but you can override this
22             .handler((externalTask, externalTaskService) -> {
23                 // Put your business logic here
24
25                 // Get a process variable
26                 String item = (String) externalTask.getVariable("item");
27                 Long amount = (Long) externalTask.getVariable("amount");
28                 LOGGER.info("Charging credit card with an amount of '" + amount + "'€ for the item '" + item + "'...");
29
30                 try {
31                     Desktop.getDesktop().browse(new URI("https://docs.camunda.org/get-started/quick-start/complete"));
32                 } catch (Exception e) {
33                     e.printStackTrace();
34                 }
35
36                 // Complete the task
37                 externalTaskService.complete(externalTask);
38             })
39             .open();
40     }
41 }
```

Task List

Find

All Activate...

Connect Mylyn

Connect to your task and ALM tools or create a local task.

Outline

org.camunda.bpm.getstarted.chargecard

ChargeCardWorker

LOGGER: Logger

main(String[]): void

Problems

Javadoc

Declaration

Console

ChargeCardWorker (1) [Java Application] C:\Program Files\Java\jdk1.8.0\_271\bin\javaw.exe (3 Δεκ 2020, 1:10:10 μ.μ.)

1429 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01026 Discovered data format provider: org.camunda.bpm.client.variable.impl.format.json.JacksonJsonDataFormatProvider[name = application/json]

1431 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01025 Discovered data format: org.camunda.bpm.client.variable.impl.format.json.JacksonJsonDataFormat[name = application/json]

1431 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01026 Discovered data format provider: org.camunda.bpm.client.variable.impl.format.serializable.SerializableDataFormatProvider[name = applicatio

1432 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01025 Discovered data format: org.camunda.bpm.client.variable.impl.format.serializable.SerializableDataFormat[name = application/x-java-serializ

1432 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01026 Discovered data format provider: org.camunda.bpm.client.variable.impl.format.xml.DomXmlDataFormatProvider[name = application/xml]

1440 [main] INFO org.camunda.bpm.client - TASK/CLIENT-01025 Discovered data format: org.camunda.bpm.client.variable.impl.format.xml.DomXmlDataFormat[name = application/xml]

Δεκ 03, 2020 1:16:16 MM org.camunda.bpm.getstarted.chargecard.ChargeCardWorker lambda\$0

INFO: Charging credit card with an amount of '400'€ for the item 'phone'...

Δεκ 03, 2020 1:19:41 MM org.camunda.bpm.getstarted.chargecard.ChargeCardWorker lambda\$0

INFO: Charging credit card with an amount of '20000'€ for the item 'Car'...

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