Manajeman Proses Bisnis (AIF 462-3)

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Tujuan

1. Memahami Proses Bisnis
2. Memahami Manajemen Proses Bisnis
3. Mampu Memodelkan Proses Bisnis menggunakan BPMN
4. Mampu Menerapkan Siklus Manajemen Proses Bisnis
5. Mampu Mengotomasi Proses Bisnis menggunakan BPMS

Ringkasan Materi

- Definisi proses bisnis, manajemen proses bisnis (BPM, BPI), system informasi dan perannya dalam menentukan keberhasilan suatu organisasi.
- *Business Process Management* (BPM) *Life Cycle*
- Pemodelan proses bisnis
  - *block diagram*, ANSI *flow chart, functional flow chart, geographical flow chart*
  - *Business Process Modeling and Notation* (BPMN)
  - Penggunaan tools pemodelan BPMN
- Analisis proses bisnis eksisting (*as-is model*)
- Disain proses bisnis (*to-be model*)
- Otomasi proses bisnis menggukanan BPMS/ *Work Flow system* Camunda berbasis Java 2 *Enterprise Edition* (J2EE).
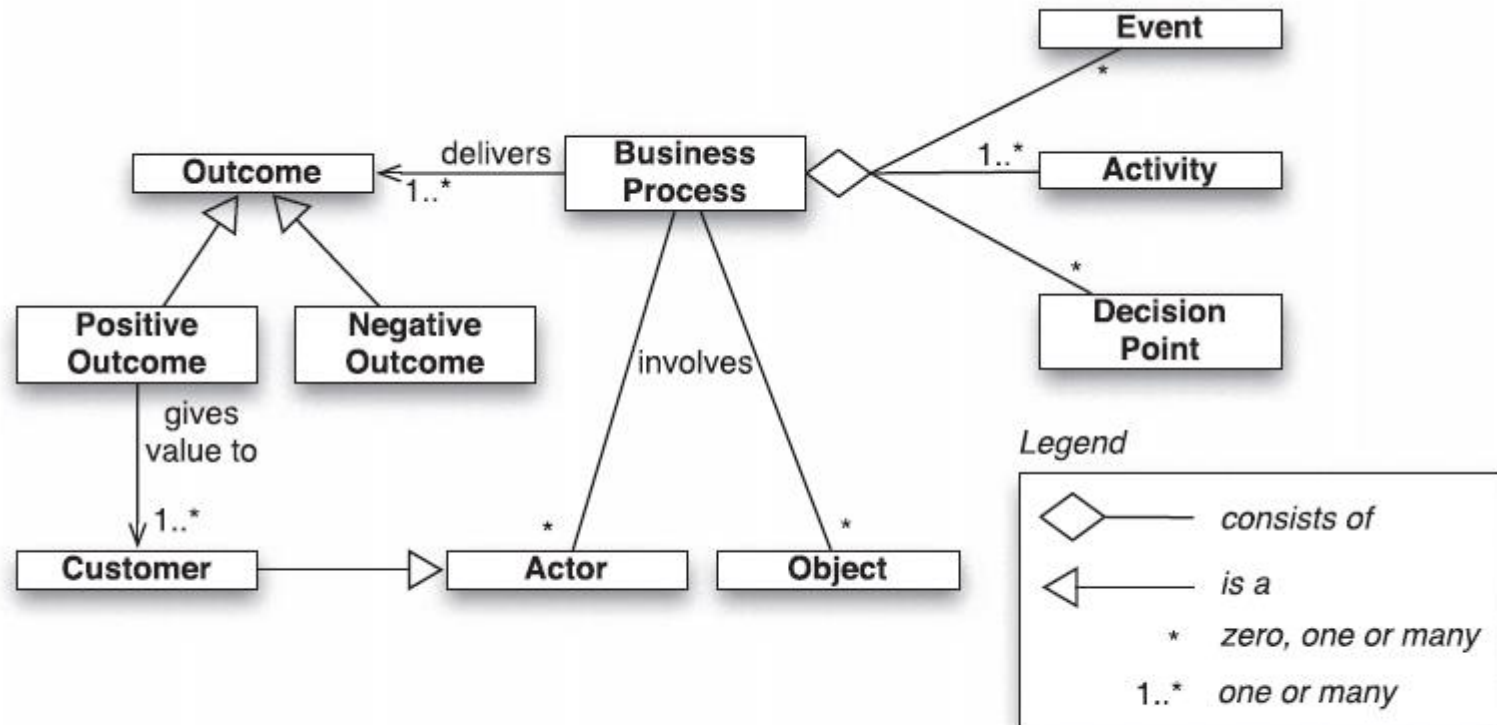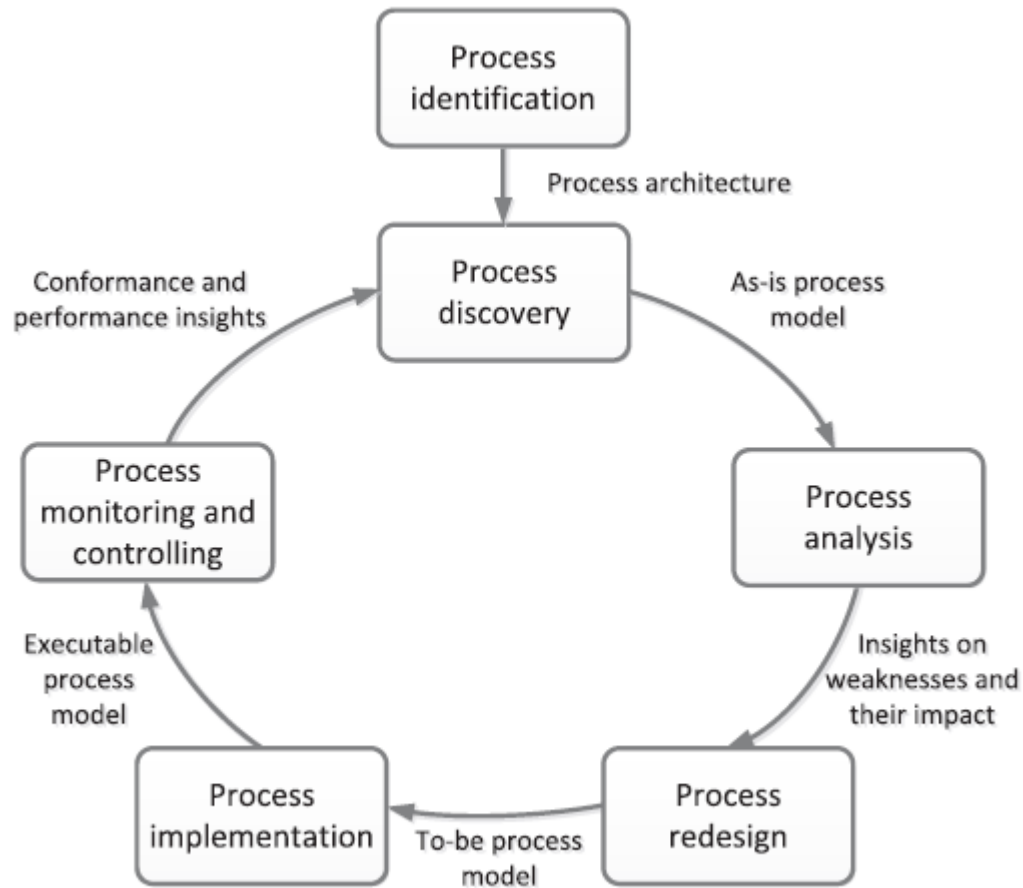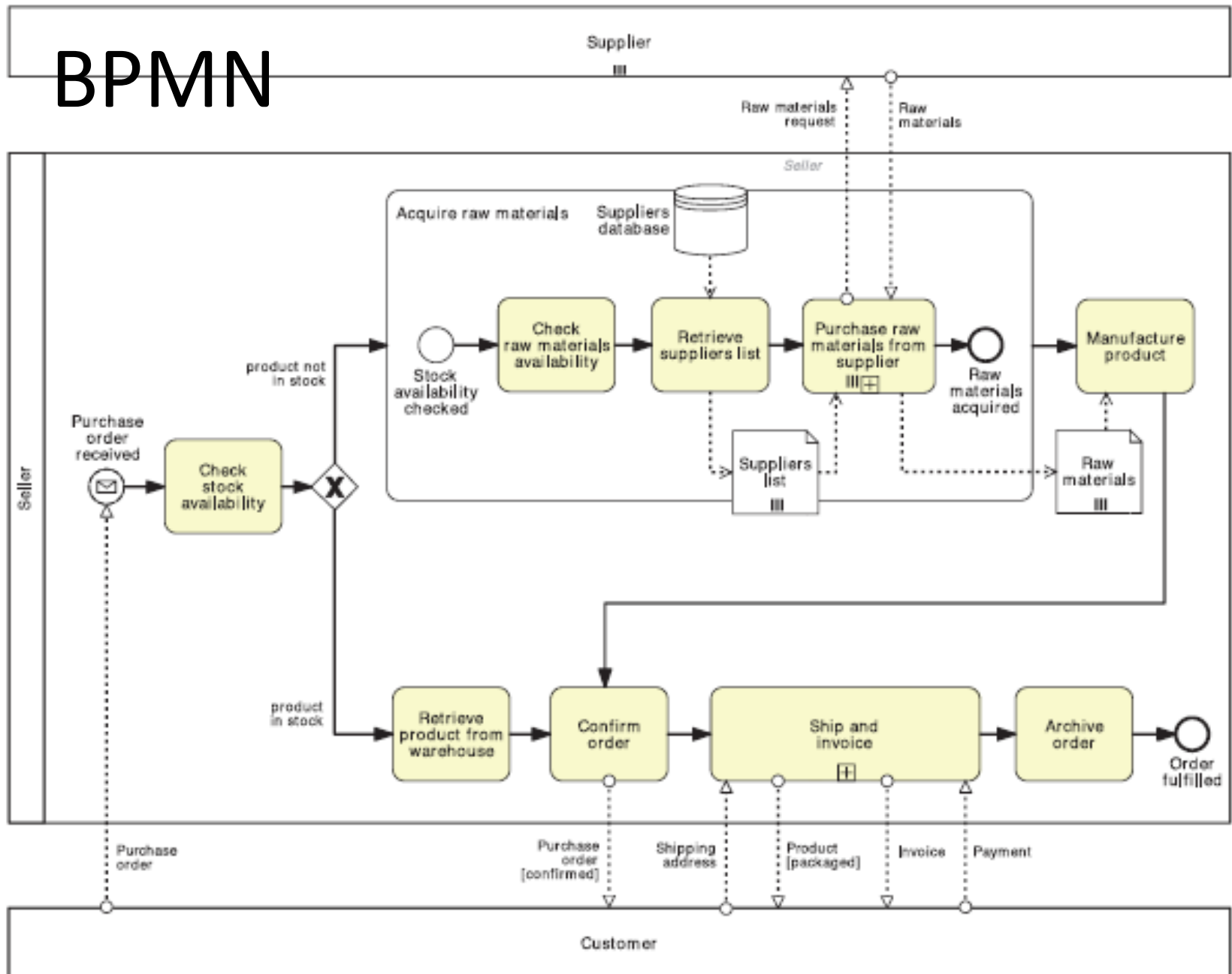
Business Process
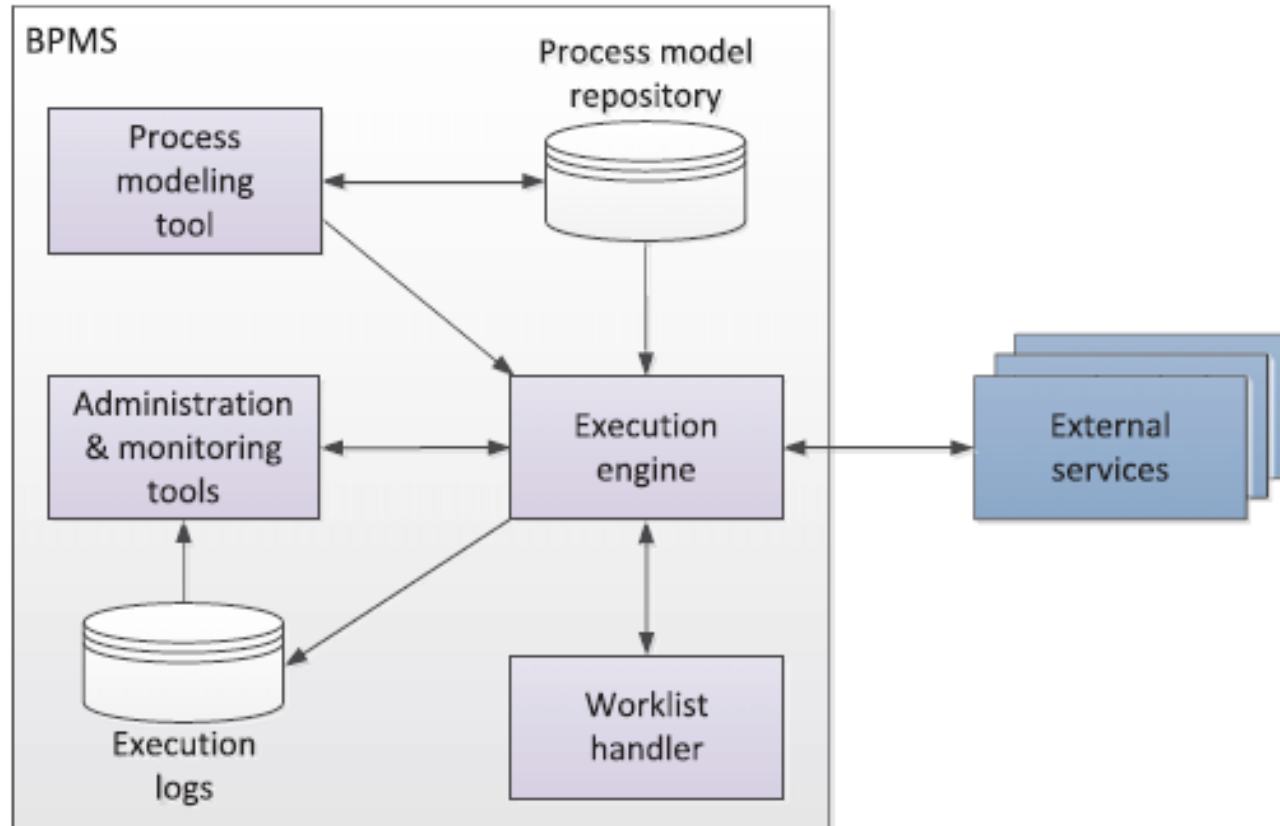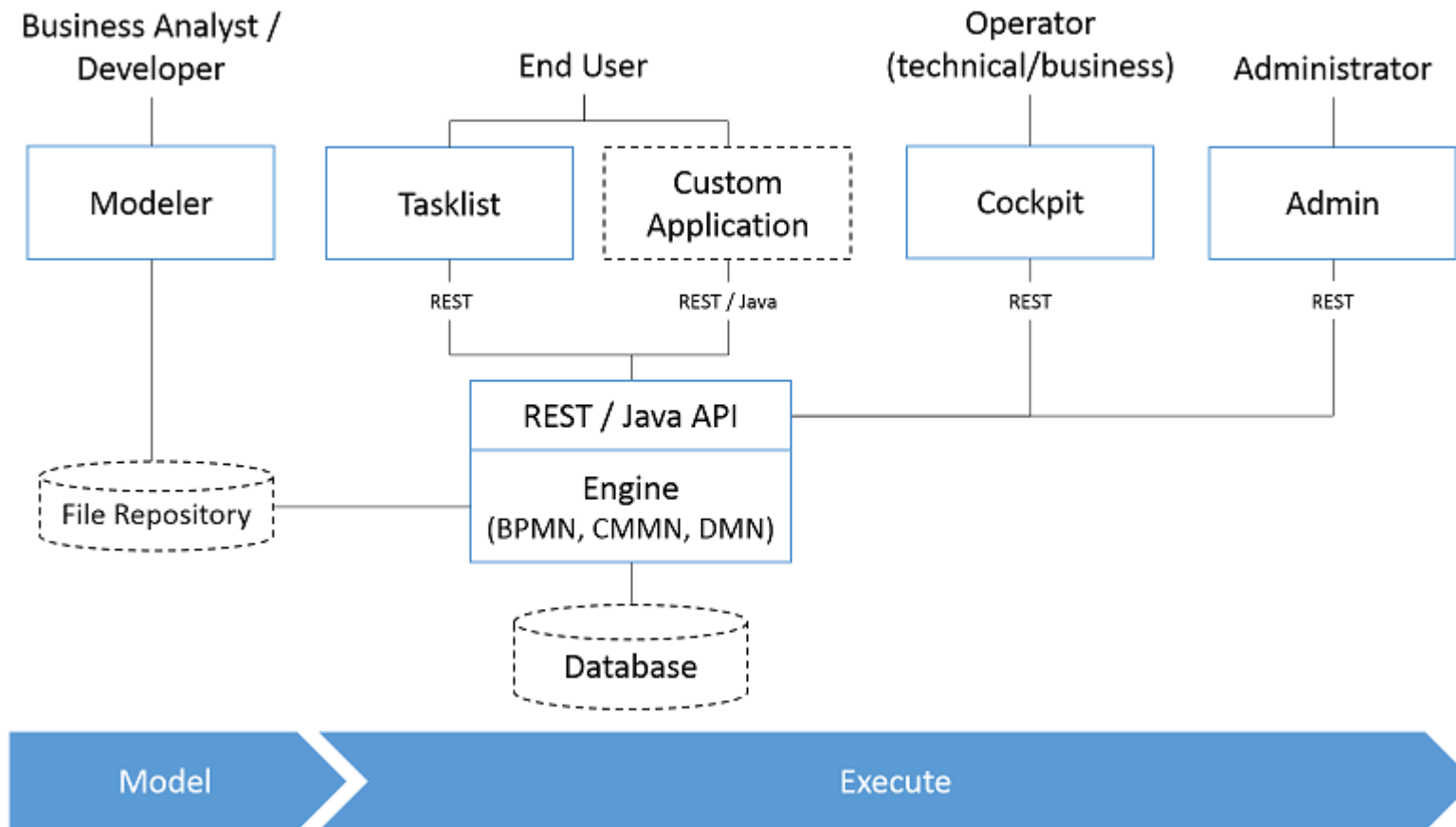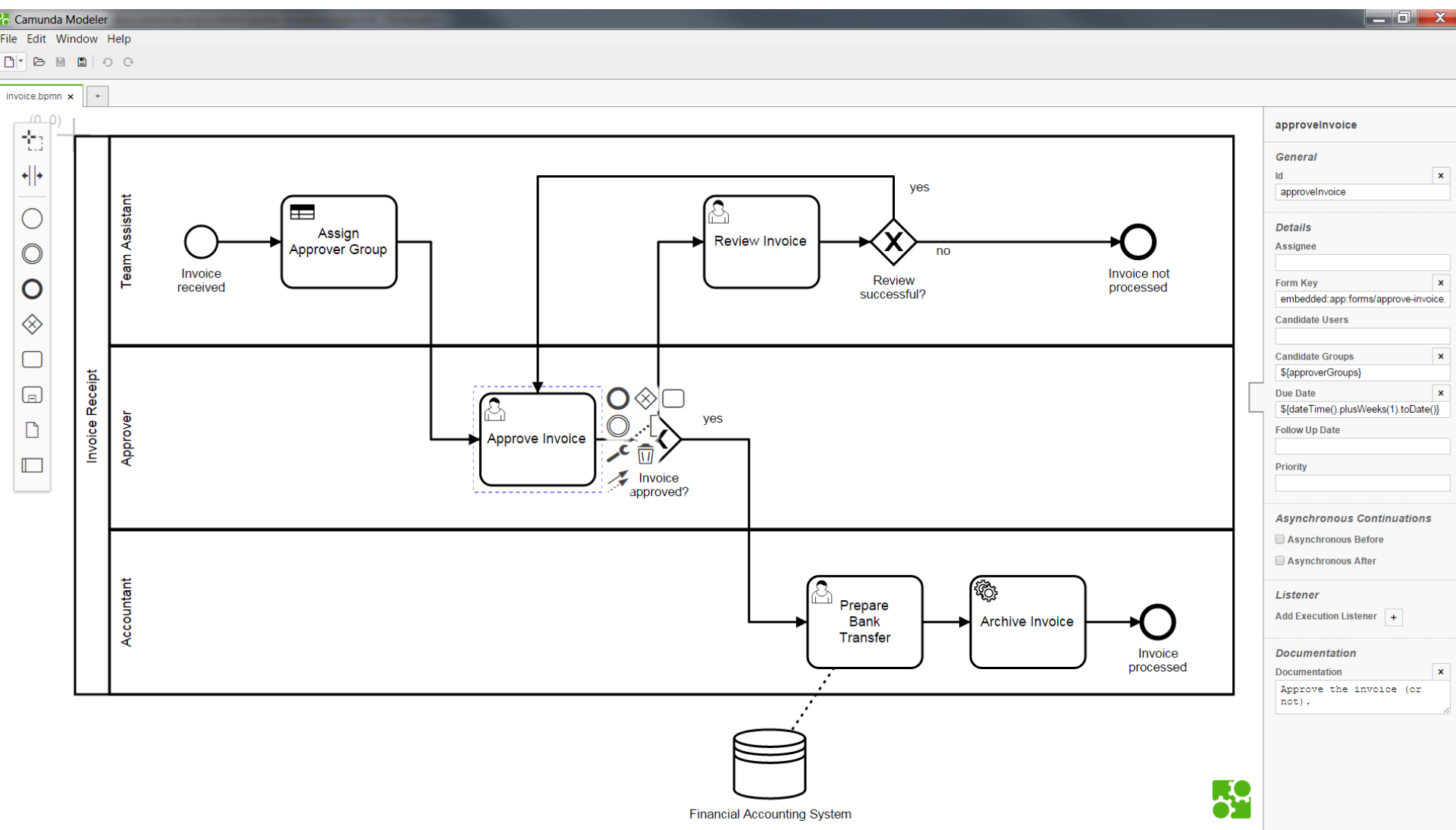

Fig. 1.1 Ingredients of a business process

BPM Life Cycle

BPMN

BPMS Architecture

Camunda BPMS Architecture

Camunda BPMN Modeler

Camunda Cockpit (Dashboard)
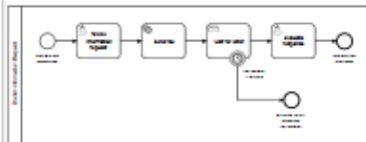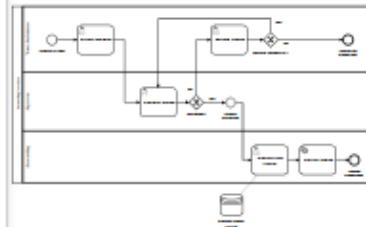
Camunda Tasklist (User Task)

Getting Started with camunda BPM

Name	Container
Simple Process Applications	All
camunda BPM and the Spring Framework	Tomcat
Process Applications with JavaEE 6	JavaEE Containers

BPMN 2.0 & Process Implementation Examples

Name	Container	Keywords
Service Task REST HTTP	Unit Test	Rest Scripting, classless
Service Task SOAP HTTP	Unit Test	SOAP Scripting, classless
Service Task SOAP CXF HTTP	Unit Test	SOAP, CXF, Spring, Spin
Service Invocation Synchronous	Unit Test	Java Delegate, Sync
Service Invocation Asynchronous	Unit Test	Signal, Async
User Task Assignment Email *	All	Email, Usertask
User Task Form Embedded *	All	Html, Form, Usertask
User Task Form Embedded - Serialized Java Object *	All	Html, Form, Usertask
User Task Form Generated *	All	Html, Form, Usertask

Referensi

- Fundamentals of Business Process Management, Springer, 2013
- Business Process Improvement, McGraw-Hill, Inc. 1991
- BPMN 2.0 (www.bpmn.org)
- Camunda BPMS (www.camunda.org)
- BPMN 2.0 & Process Implementation Examples https://github.com/camunda/camunda-bpm-examples#getting-started-with-camunda-bpm