

Manajemen 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 menggunakan BPMS/ *Work Flow system Camunda berbasis Java 2 Enterprise Edition (J2EE)*.

Business Process

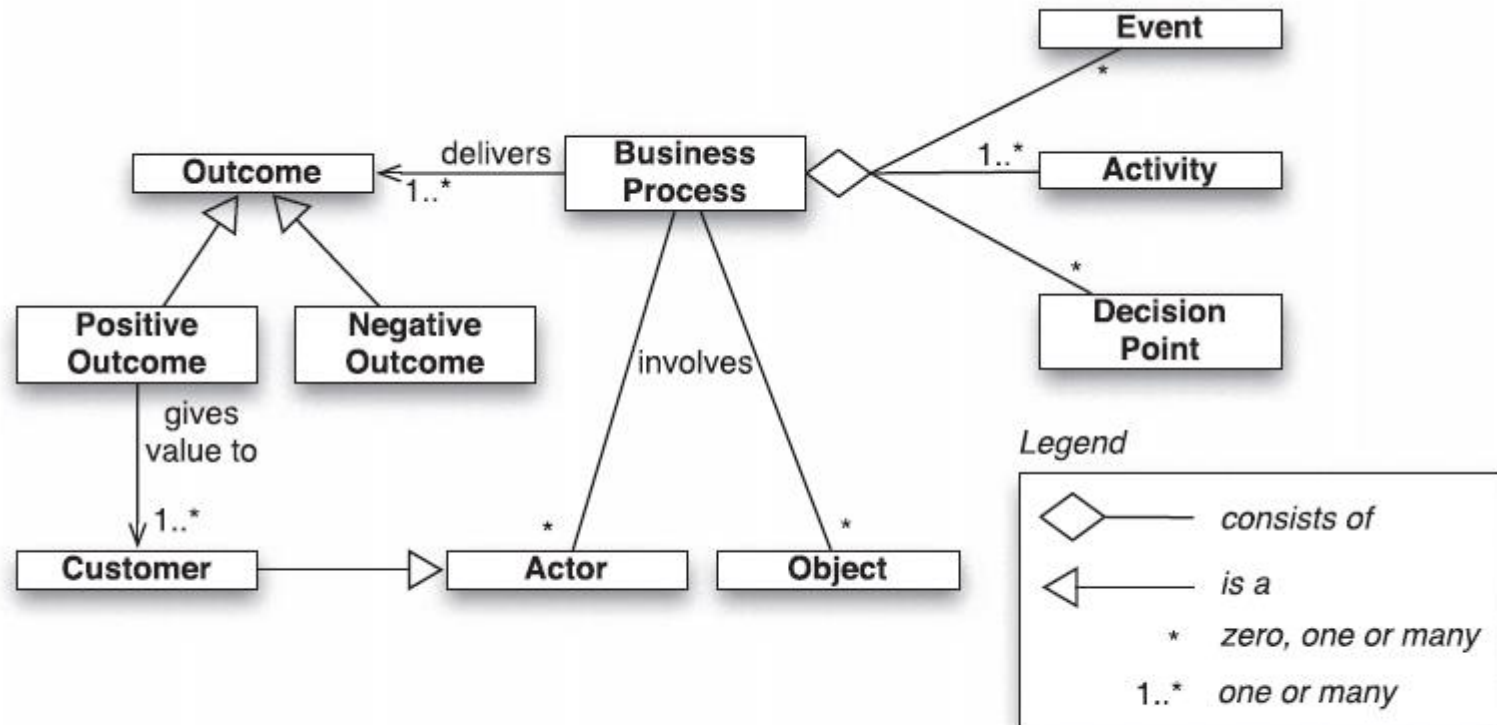
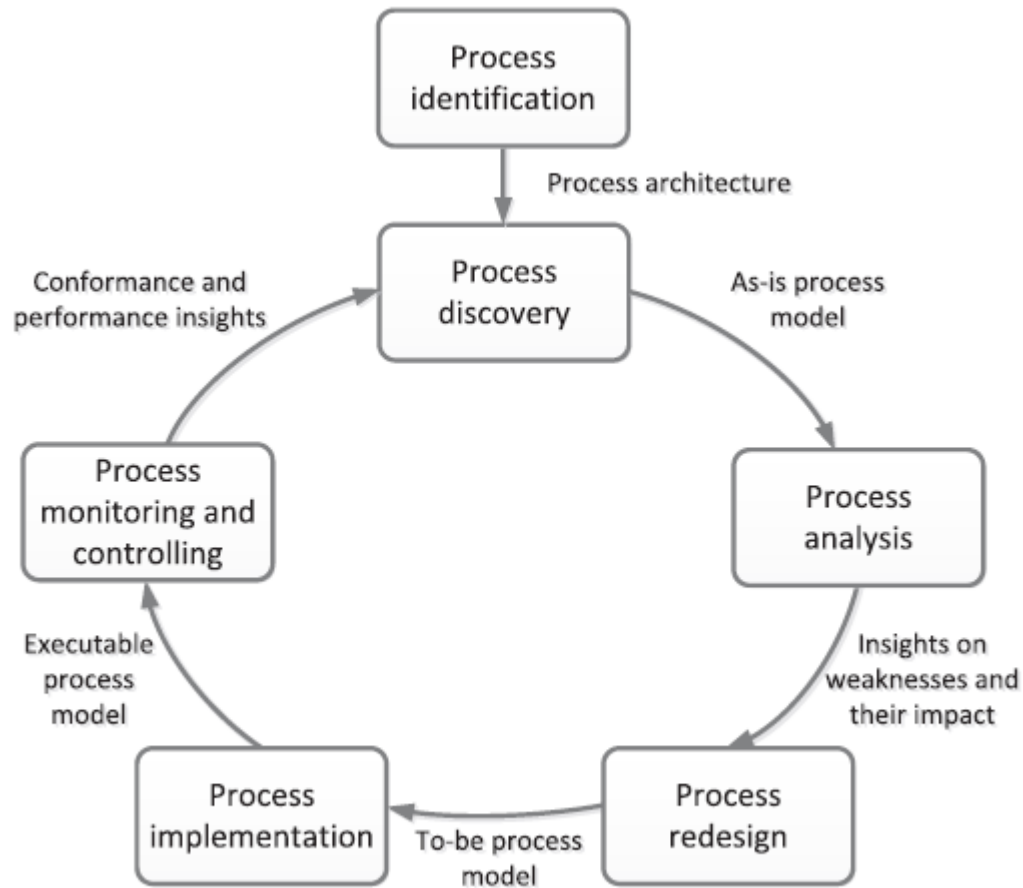
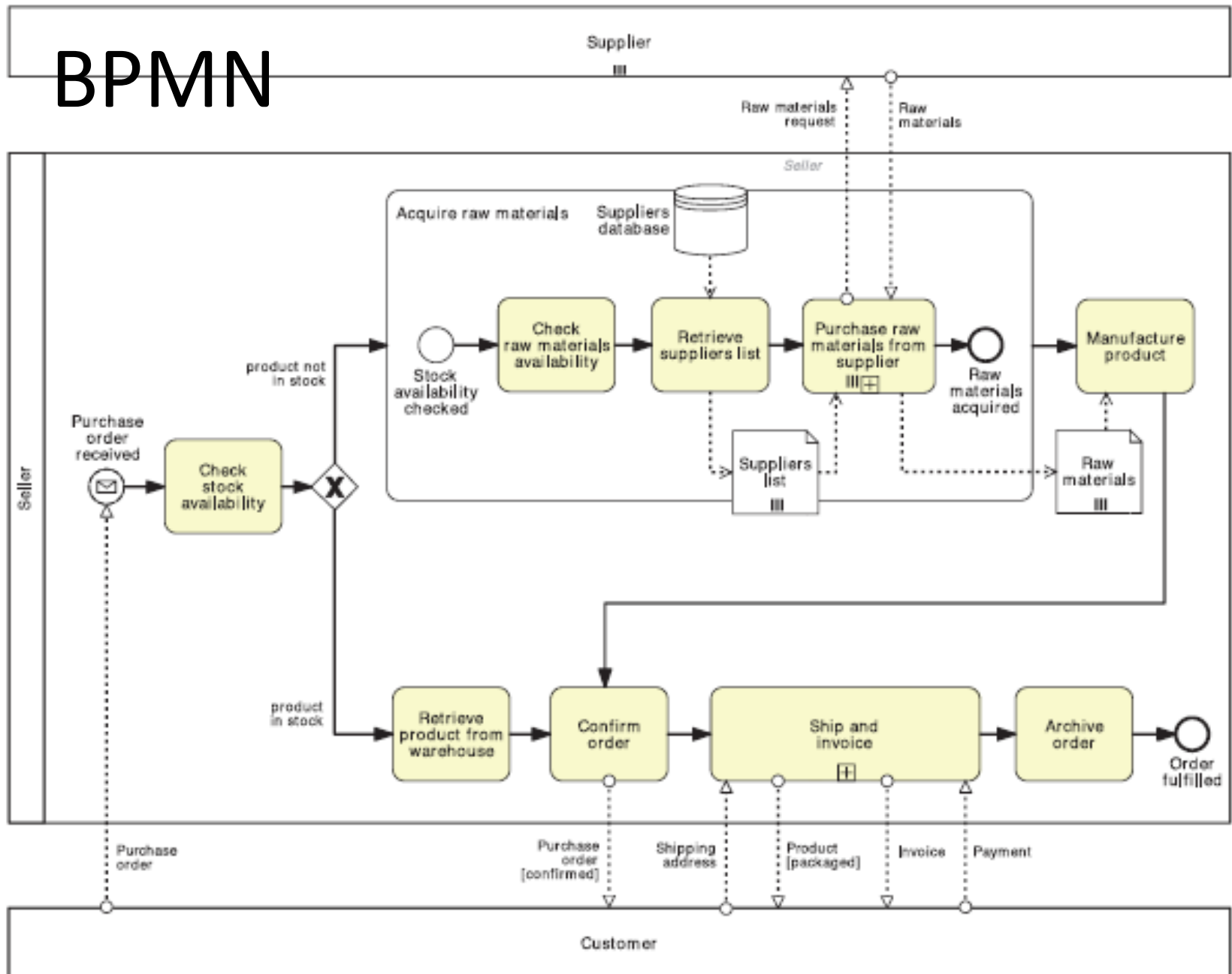


Fig. 1.1 Ingredients of a business process

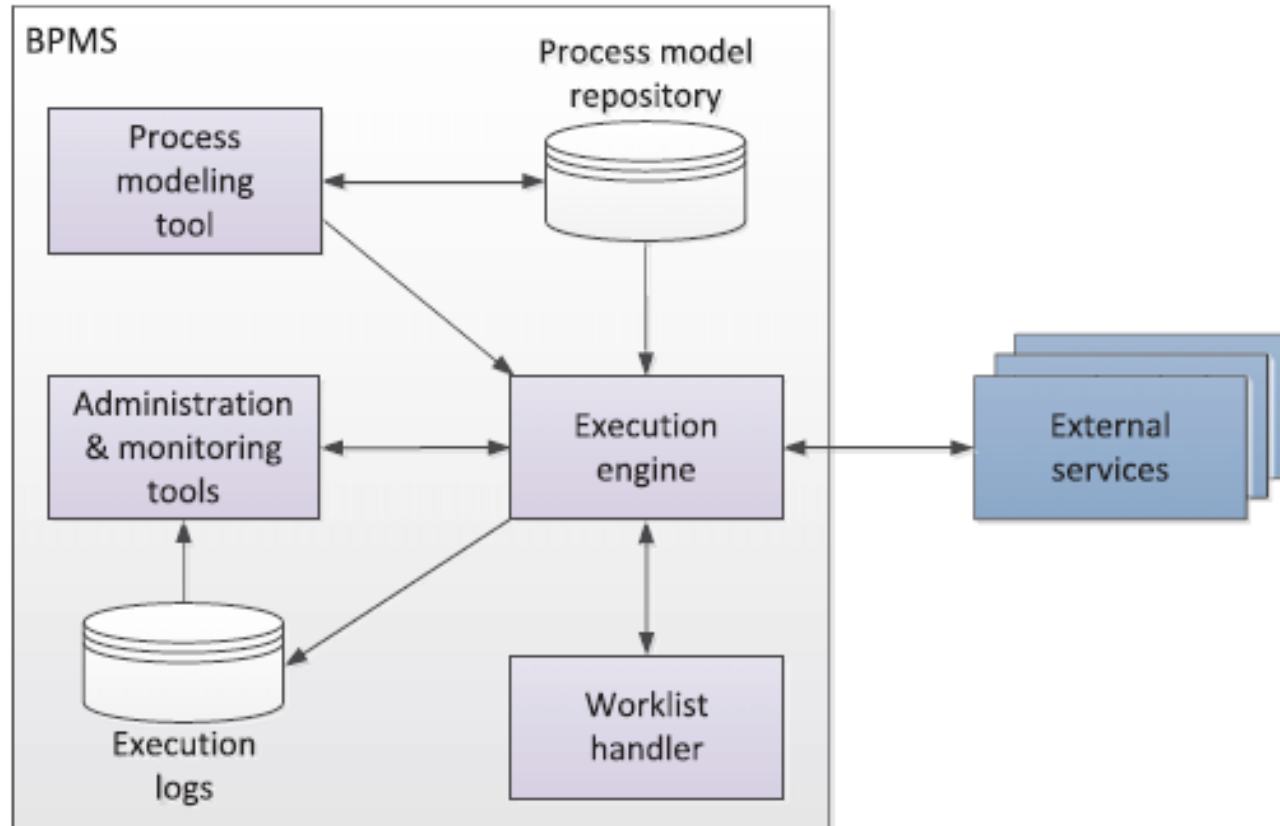
BPM Life Cycle



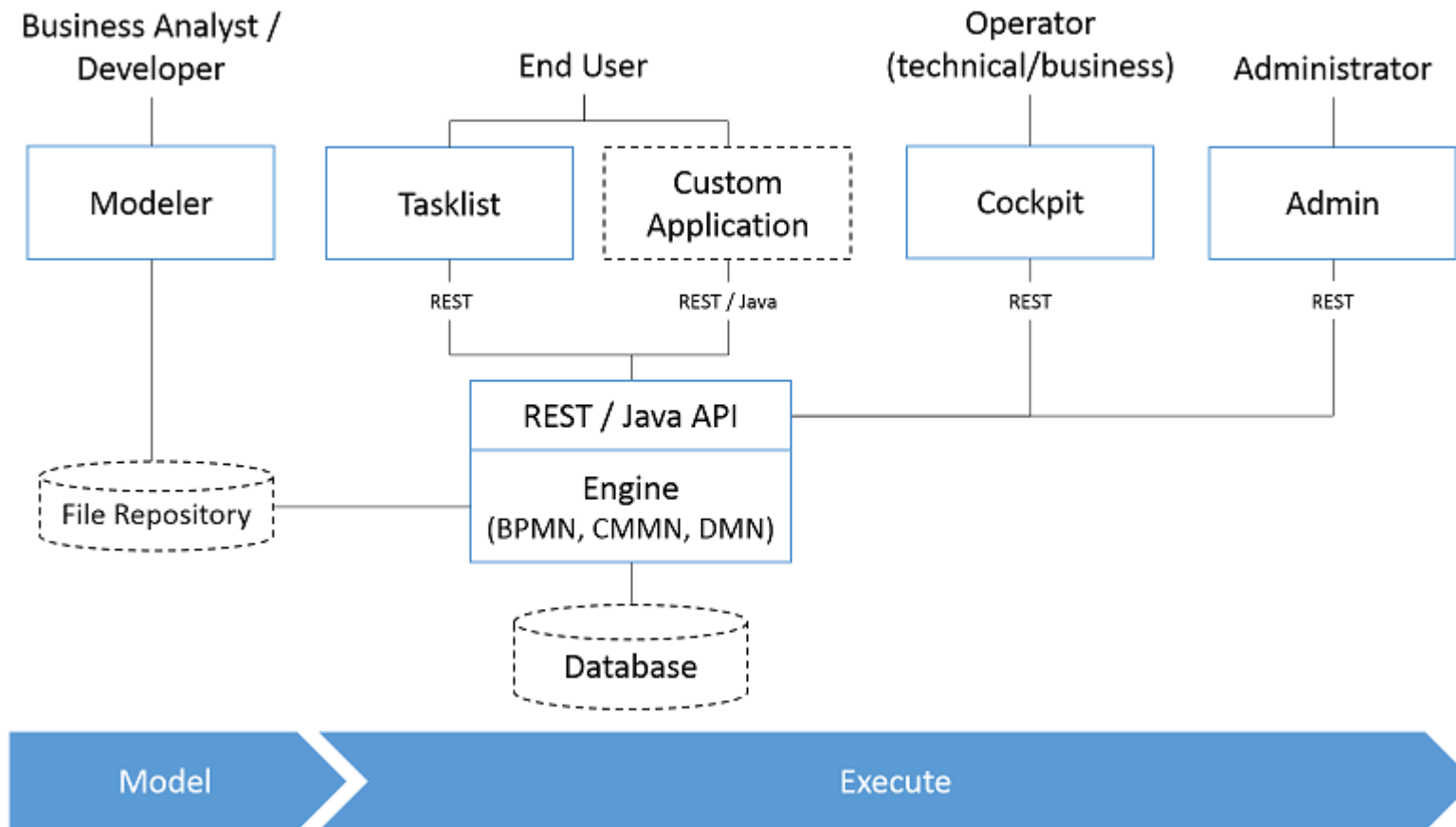
BPMN



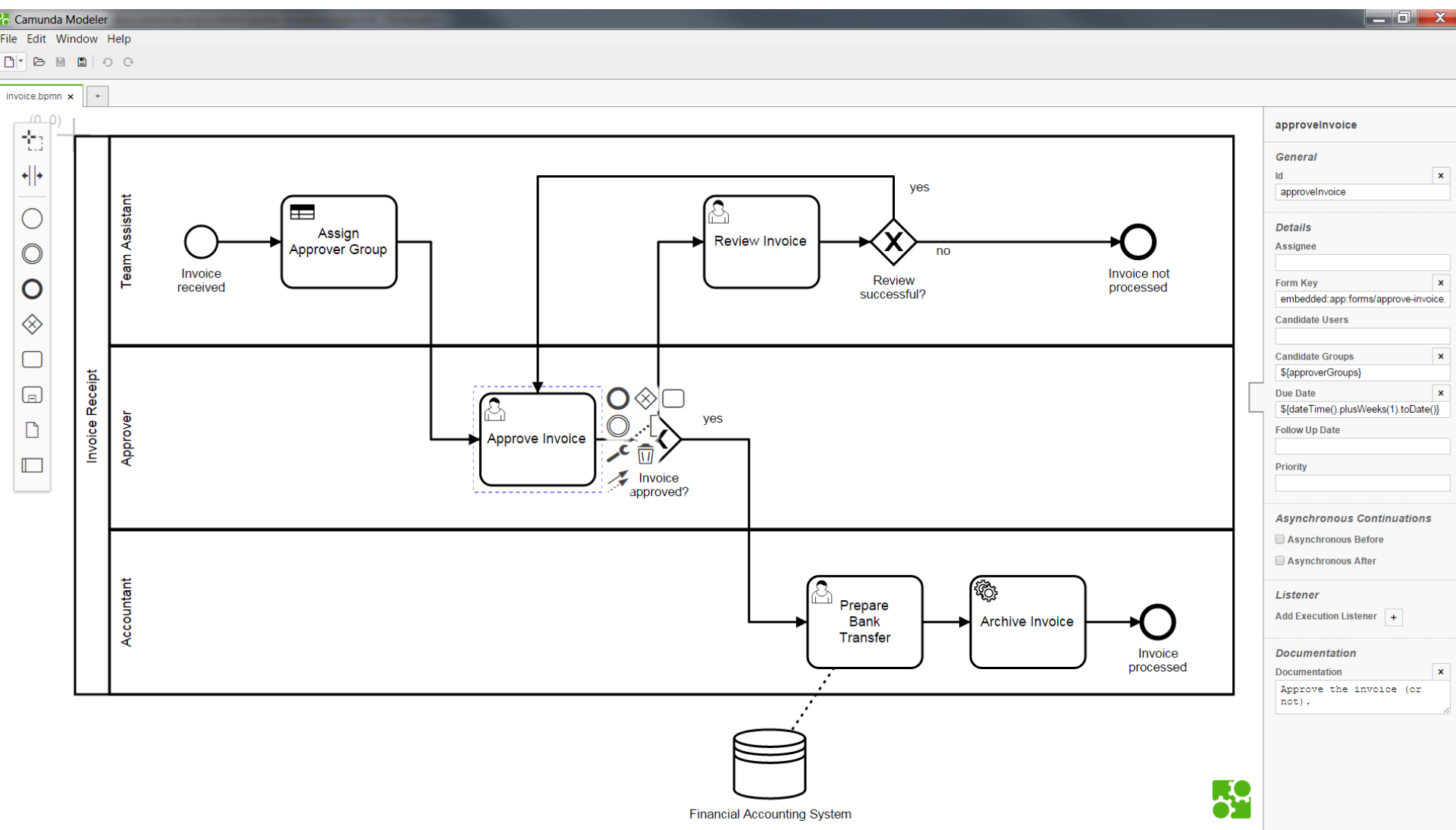
BPMS Architecture



Camunda BPMS Architecture



Camunda BPMN Modeler



Camunda Cockpit (Dashboard)

Search process instances

✕ Process Instance : Variable : video like Camunda%

Add criteria

Add column +

Process Instance ID

Start Time ▼

End Time ▬

Business Key ▬

Process Definition ID ▬

44aa70ce-9416-11e5-afbb-f2532052...

2015-11-26T09:18:28

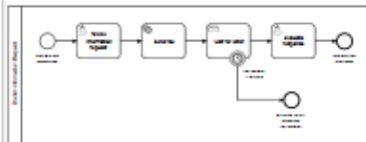
video-publishing (1)

6 process definitions deployed

List

Previews

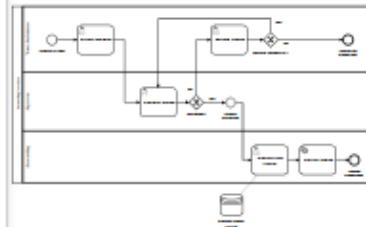
Doctor Information Request



No running instances



Incoming Invoice



No running instances



Insurance Application



No running instances



Insurance Underwriting



No running instances



Prepare Dinner (DMN Tutorial)

Video Publishing

Camunda Tasklist (User Task)

The screenshot displays the Camunda Tasklist (User Task) interface. The top navigation bar includes links for 'Create task', 'Start process', and a user profile 'demo'. The left sidebar shows a list of task categories: 'My Tasks' (6), 'My Group Tasks', 'Accounting', 'John's Tasks', 'Mary's Tasks', 'Peter's Tasks', and 'All Tasks'. The main content area shows a list of tasks, with the top task being 'Assign Approver' (Invoice Receipt) assigned to 'Demo Demo'. The task details on the right show the task title 'Assign Approver', the description 'Invoice Receipt', and the status 'Set follow-up date' (in 3 days). The task details also include a form for assigning an approver, with fields for 'Creditor' (Great Pizza for Everyone Inc.), 'Amount' (30€), 'Invoice Number' (GPFE-23232323), and 'Approver' (Who should approve this invoice?). The task details also include a 'Save' button and a 'Complete' button.

camunda tasklist

Create task Start process demo Add Comment

Create a filter created

Search for Tasks

My Tasks 6

My Group Tasks

Accounting

John's Tasks

Mary's Tasks

Peter's Tasks

All Tasks

Assign Approver 50

Invoice Receipt

8 minutes ago Demo Demo

in 3 days

Invoice Amount: 30€ Invoice Number: GPFE-23232323

Assign Approver 50

Invoice Receipt

8 minutes ago Demo Demo

in 3 days

Invoice Amount: 30€ Invoice Number: GPFE-23232323

Assign Approver 50

Invoice Receipt

9 minutes ago Demo Demo

in 3 days

Assign Approver

Invoice Receipt

Set follow-up date in 3 days Add groups Demo Demo

Form History Diagram Description

Who should approve this invoice?

Creditor

Great Pizza for Everyone Inc.

Amount

30€

Invoice Number

GPFE-23232323

Approver:

Who should approve this invoice?

Save Complete

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>