

CAMUNDA

A Skeptics view of using the BPM tool

Agenda



Business Problem

Business Problem?

Scenario :

- Complex processes
- Routing scenarios across multiple entities
- Long lived processes

Pain Points/Challenges:

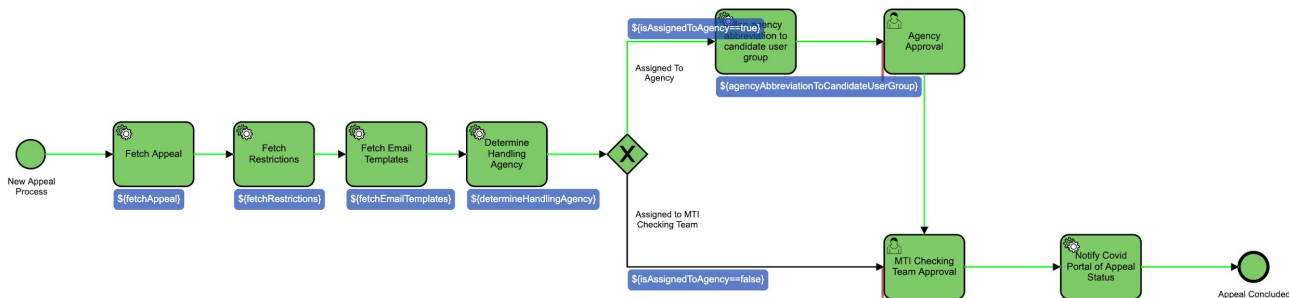
- Multiple developers for building the portals
- Authorization and Admin module
- Resilience
- Testing multiple complex workflows
- Workflow as code not transparent/visible

If not Camunda then what ?

- Build bespoke workflows

Why Camunda ?

- Easy integration with Spring Boot
- Scalability
- Open source, lightweight
- Processes are testable
- Process transparency. Allows visual representation of business processes
- Developer friendly



Introduction to BPMN 2.0

What is BPM,BPMN and BPMS?

BPM

Business Process Management is the discipline in which people use various methods to discover, model, analyze, measure, improve, optimize, and automate business processes.

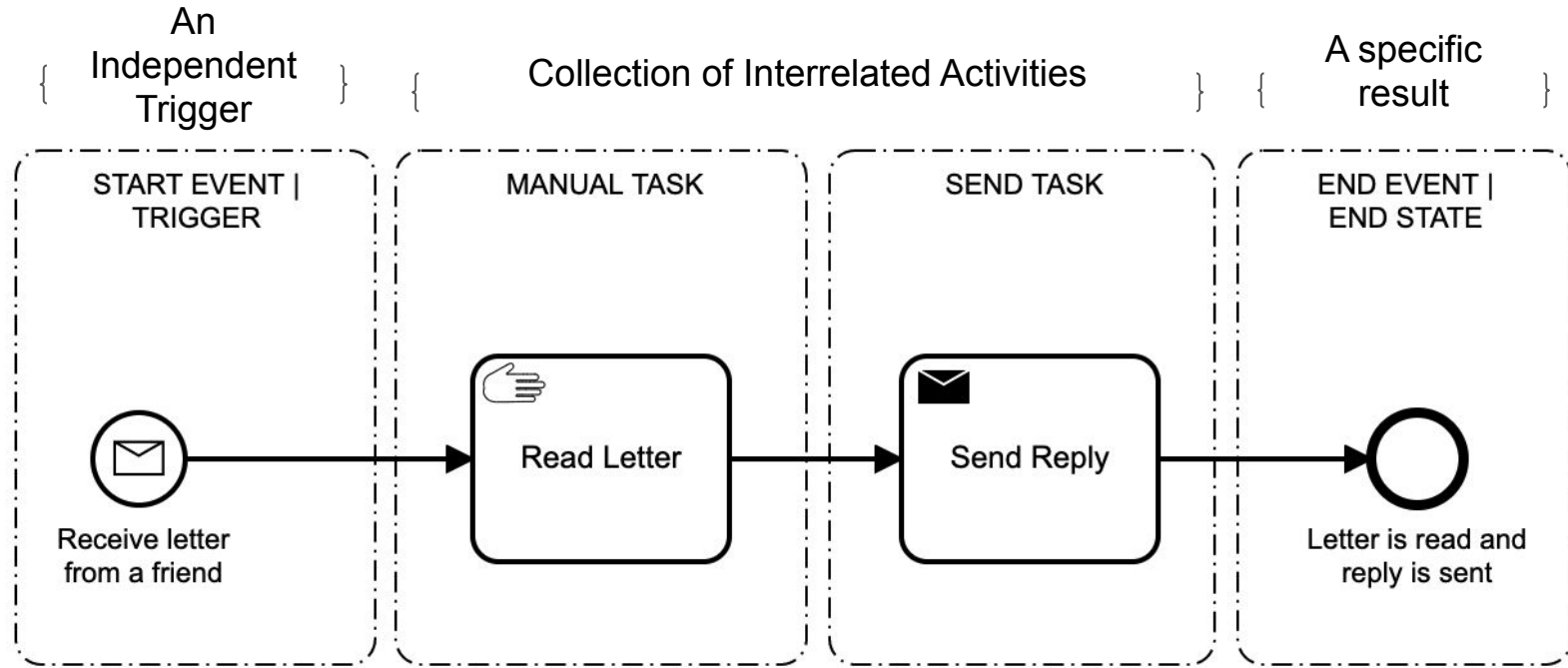
BPMN

Business Process Model and Notation.

BPMS

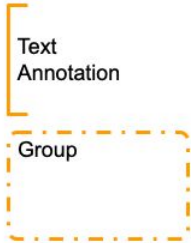
Business Process Management Suite.

What is a Business Process ?



BPMN 2.0 Building Blocks

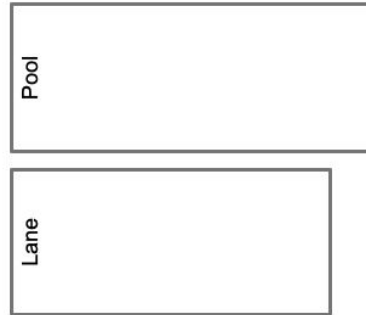
Artifacts



Data



Participants



Gateways



Exclusive



Inclusive



Parallel

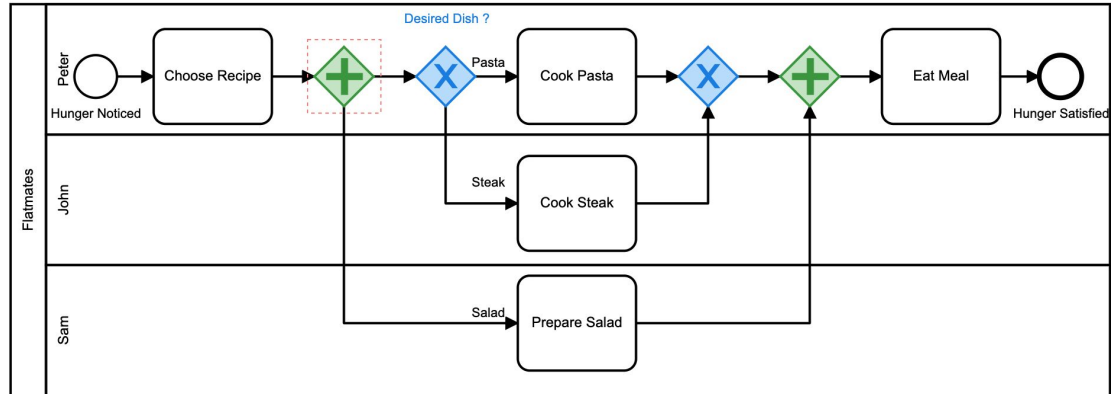
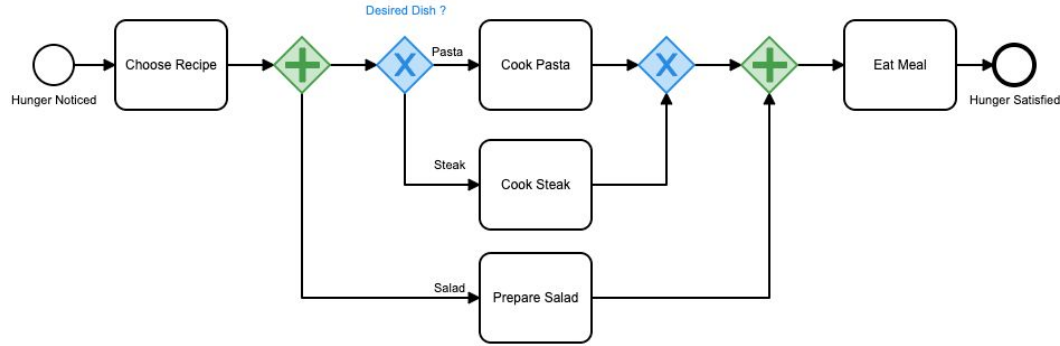


Event

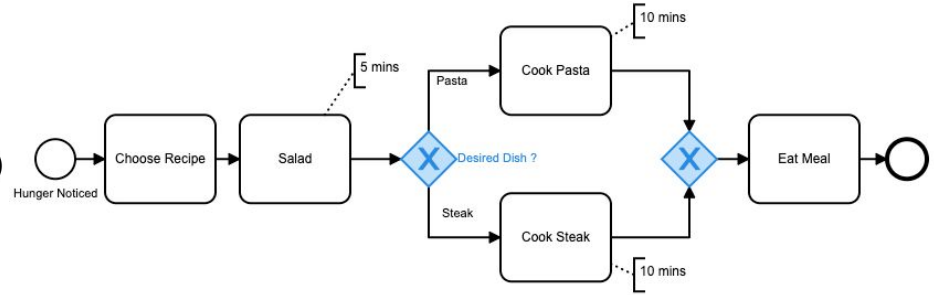
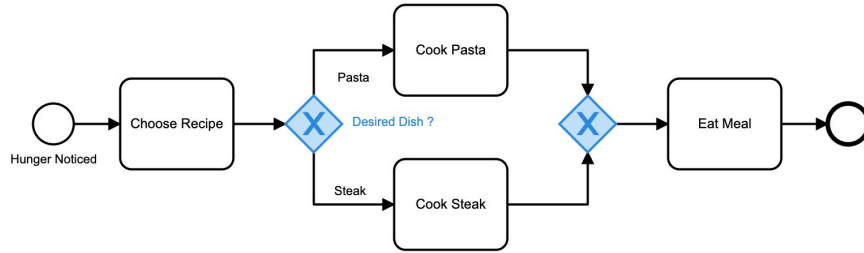
Activities



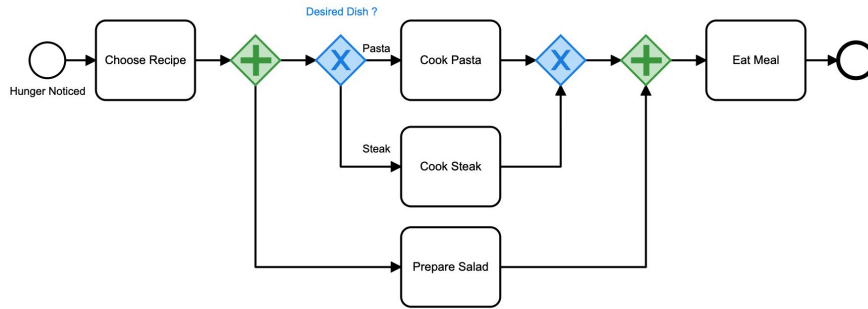
Participants - Pools and Lanes



Gateways

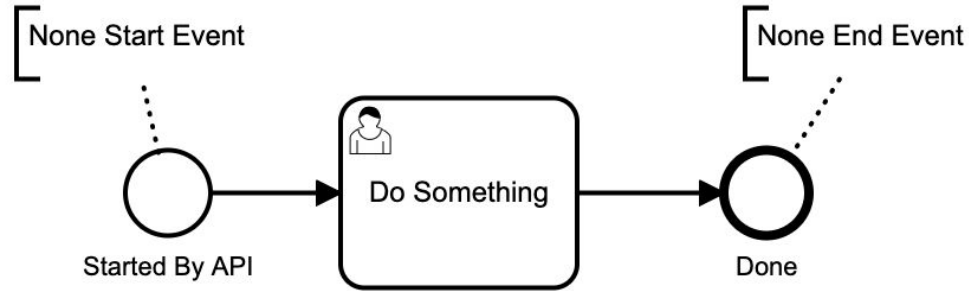


Data-based Exclusive Gateways

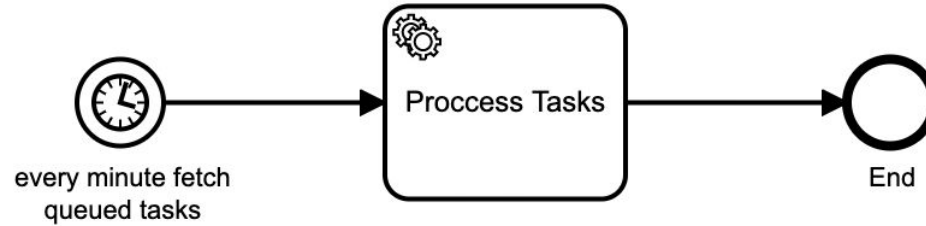


Parallel Gateways

Events



None Events



Timer Events

Tasks

Send a message



Wait for a message to arrive



Invoke or execute business logic.



Execute a Script.



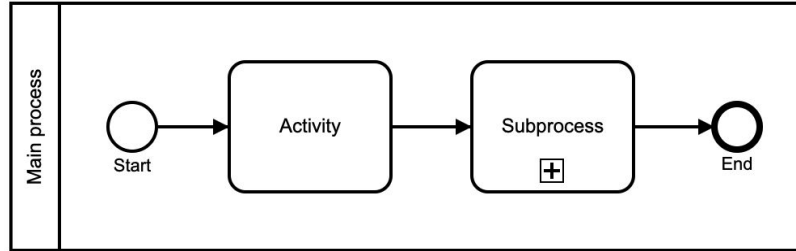
A task which is performed externally.



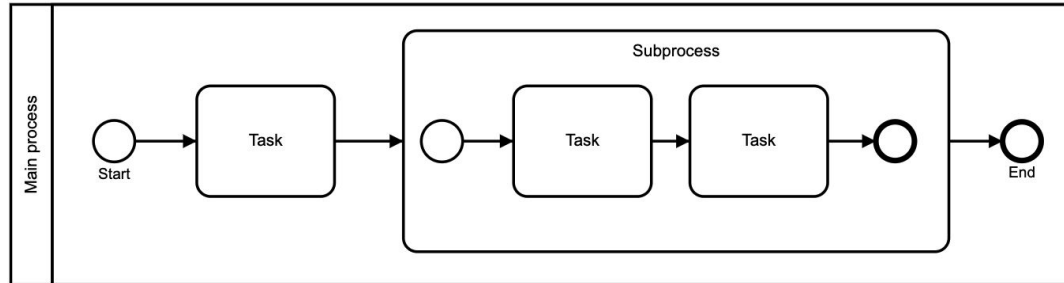
A task performed by a human participant.



Sub Processes



Sub Process with external process definition



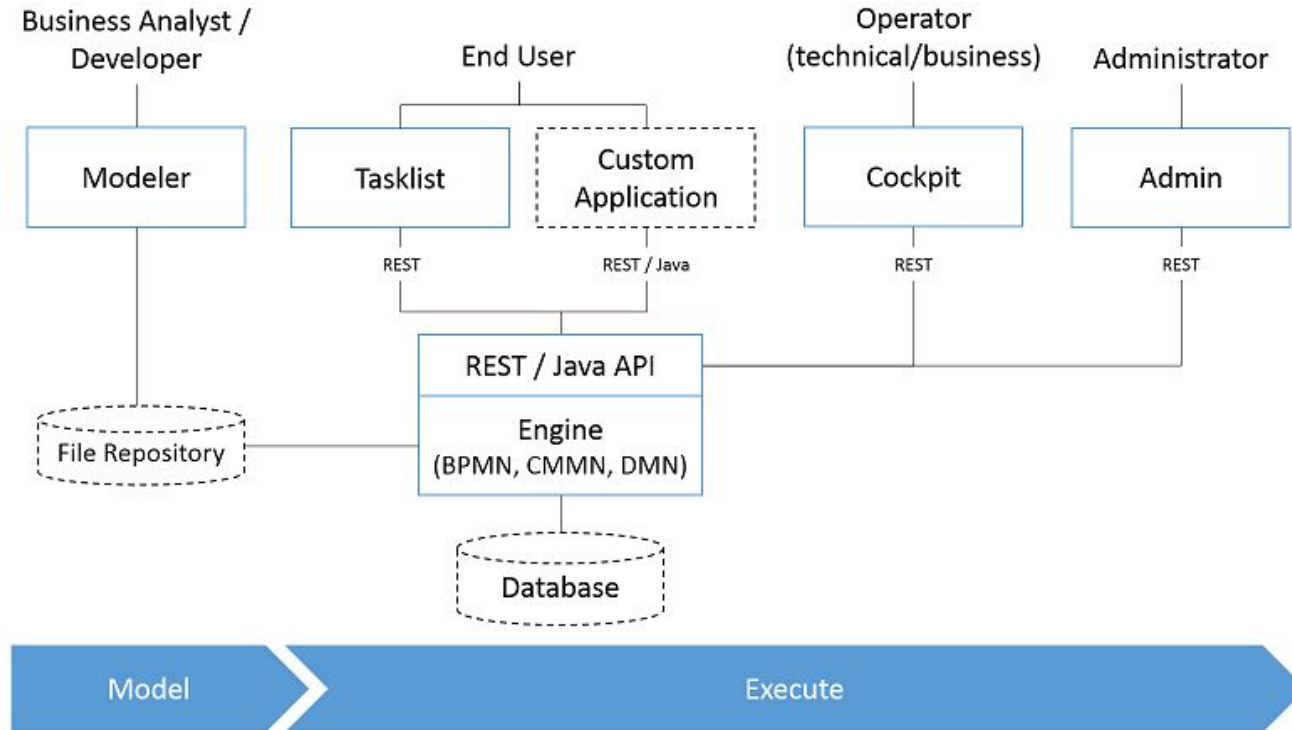
Expanded Sub Process

Call Activity



Camunda BPM Architecture

Camunda BPM Components



Live Demo

- Design a process
- Implement & Deploy
- Operate
- Analyze

Do all projects need BPM ?

- NO - for example for CRUD, mobile app, simple state
- YES - Lots of processes, multiple roles and integrations
- YES - Long lived processes

Community or Enterprise ?

| | Choose Community , if... | Choose Enterprise , if... |
|-------------------------|---------------------------------|----------------------------------|
| Solution Complexity | Low | High |
| Criticality to Business | Low | High |
| Project Urgency | Low | High |
| Developer Resources | Abundant | Scarce |

Questions ?