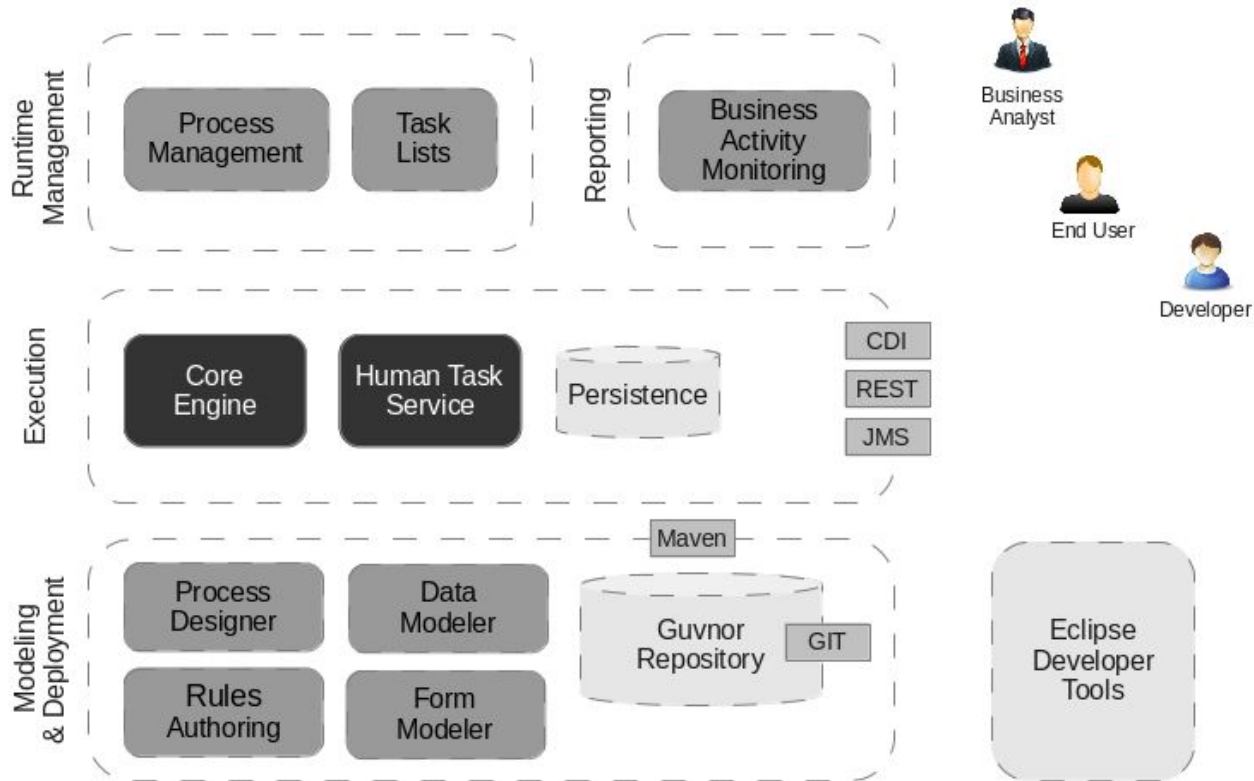


# JBoss jBPM hands on

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# Components



# Start the BPM Suite

- Open terminal
- `$ /mnt/data/PV207/run-jbpm.sh`

# Clone the repository with examples

- Open `http://localhost:8080/business-central`
- Log in `pv207/password1!` (roles: `admin,analyst`)
- Clone example git repository `Authoring -> Administration -> Repositories -> Clone Repository`
  - Git URL: <https://github.com/agiertli/pv207.git>
  - Repository Name - arbitrary
  - Org Unit - arbitrary
  - Username / Password = MUST be empty

# Task 0 - Explore Data Model

## 1. Open the project

Authoring->Project Authoring-><repository name> -> DataModel

## 2. Expand package

org.muni.fi.datamodel

## 3. Explore class

CoffeeOrder

## 4. Build the project

Open Project Editor -> Build -> Build & Deploy

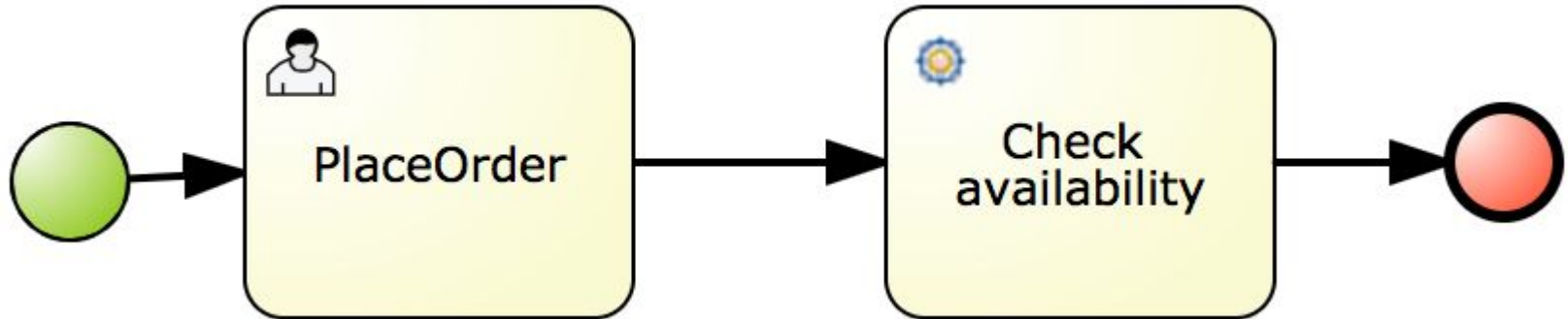
# Task 1 - Variables and Human Task

1. Open project `CoffeeOrderCompany`
2. Expand package `org.fi.muni.coffeeordercompany`
3. Open process `CoffeeOrderProcess-Task1` and follow instructions



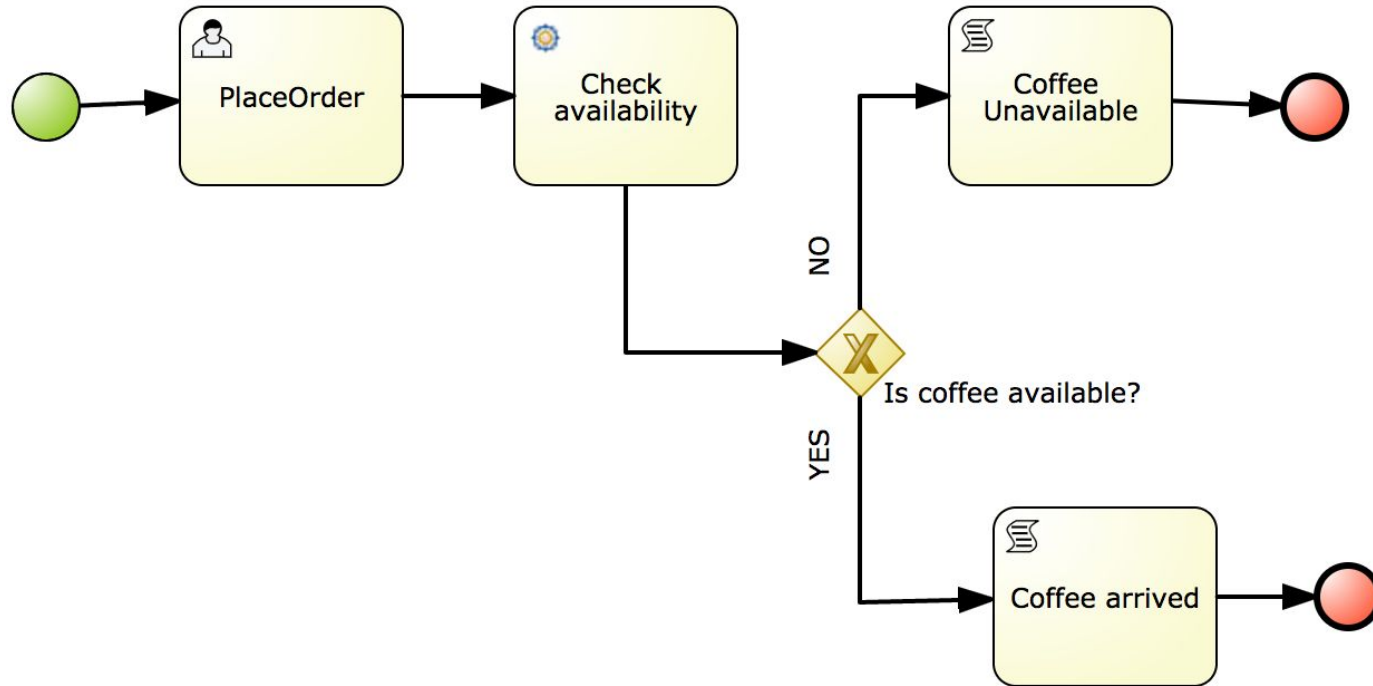
# Task 2 - Integration with REST

1. Verify that we have REST service running  
<https://tinyurl.com/pv207-curl>
2. Open `CoffeeOrderProcess-Task2` and follow instructions



# Task 3 - XOR gateway configuration

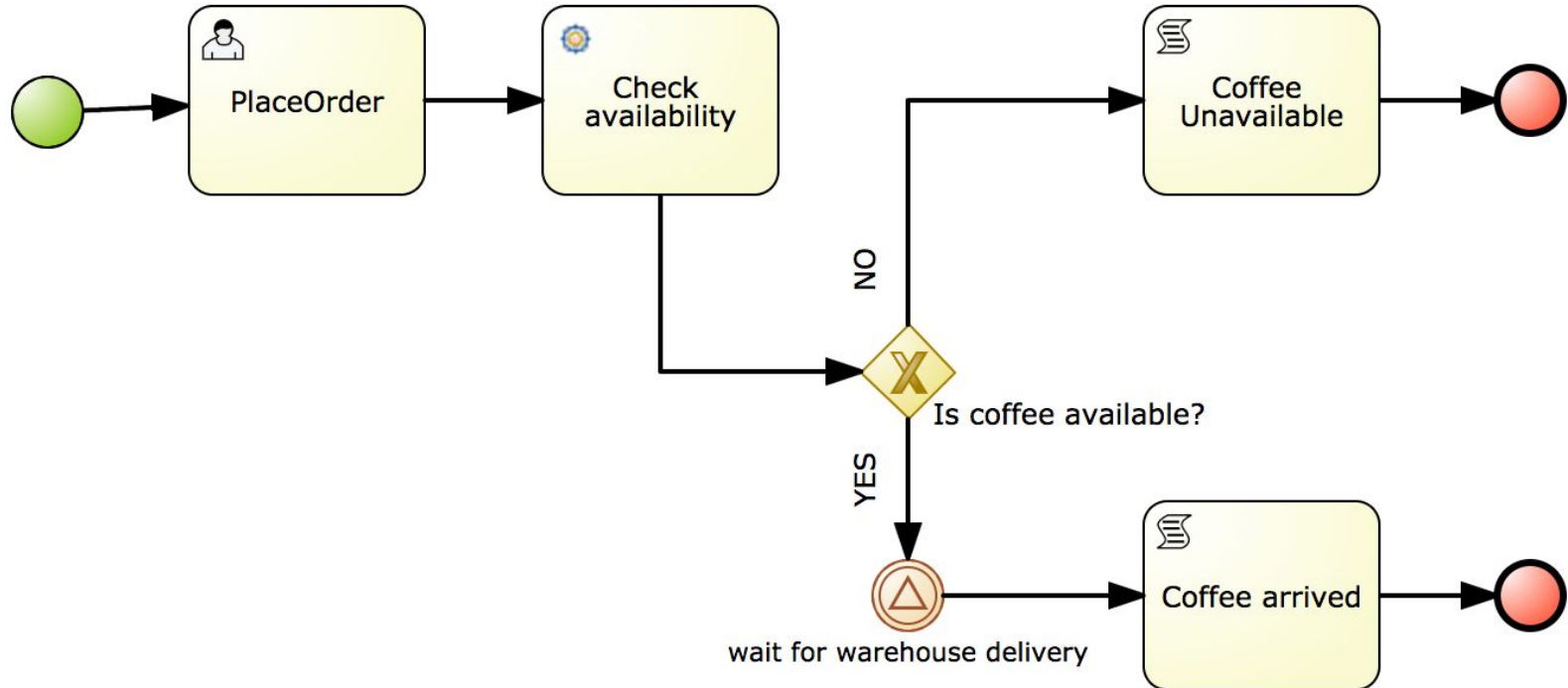
1. Open `CoffeeOrderProcess-Task3` and follow the instructions





# Task 4 - Model signal event

1. Open CoffeeOrderProcess-Task4 and follow the instructions



# Solution

1. Check your work against solution

2. Build the project:

Open Project Editor -> Build -> Build & Deploy

3. Run your process:

Process Management -> Process Definitions -> Start

4. Interact with the running process instance

Tasks -> PlaceOrder -> Start -> **Fill in some values** - > Complete

5. Inspect process instance state

Process Management -> Process Instances -> Options -> Process Model

6. Send the signal

Process Management -> Process Instances -> **\*click\*** -> <SIGNAL\_NAME>

# jBPM vs Bizagi

- Java or MVEL for scripting
  - Ease of process import/export - either via \*.xml files or using git approach
  - Easily customizable
  - **Better logging capabilities** on a server level, easily configurable
  - Large and vivid community - forum, irc, mailing lists..
  - **OpenSource** - you can see the guts for yourselves  
<https://github.com/kielogroup>
- Proprietary scripting language
  - Cumbersome process import/export
  - Strict boundaries
  - Very poor debug logging capabilities - root cause never visible in log
  - Help forums often 'dead'
  - Proprietary

# Implementing project in jBPM?

- Download <http://jbpm.org/download/download.html>
  - Or use provided installation (easier \o/)
- Study <http://docs.jboss.org/jbpm/v6.4/>
- Consult - 418312@mail.muni.cz
- <http://webchat.freenode.net/?channels=jbpm%2Cdrooms&uio=d4>
- <http://jbpm.org/community/forum.html>
- <https://groups.google.com/forum/#!forum/jbpm-usage>