

GAMIFYING PROCESS OPS

The Virtual Reality Cockpit for Camunda

David Zang

A decorative white line graphic that starts as a horizontal line from the left edge, then dips down into a V-shape, and finally rises back up to a horizontal line extending to the right edge of the slide.

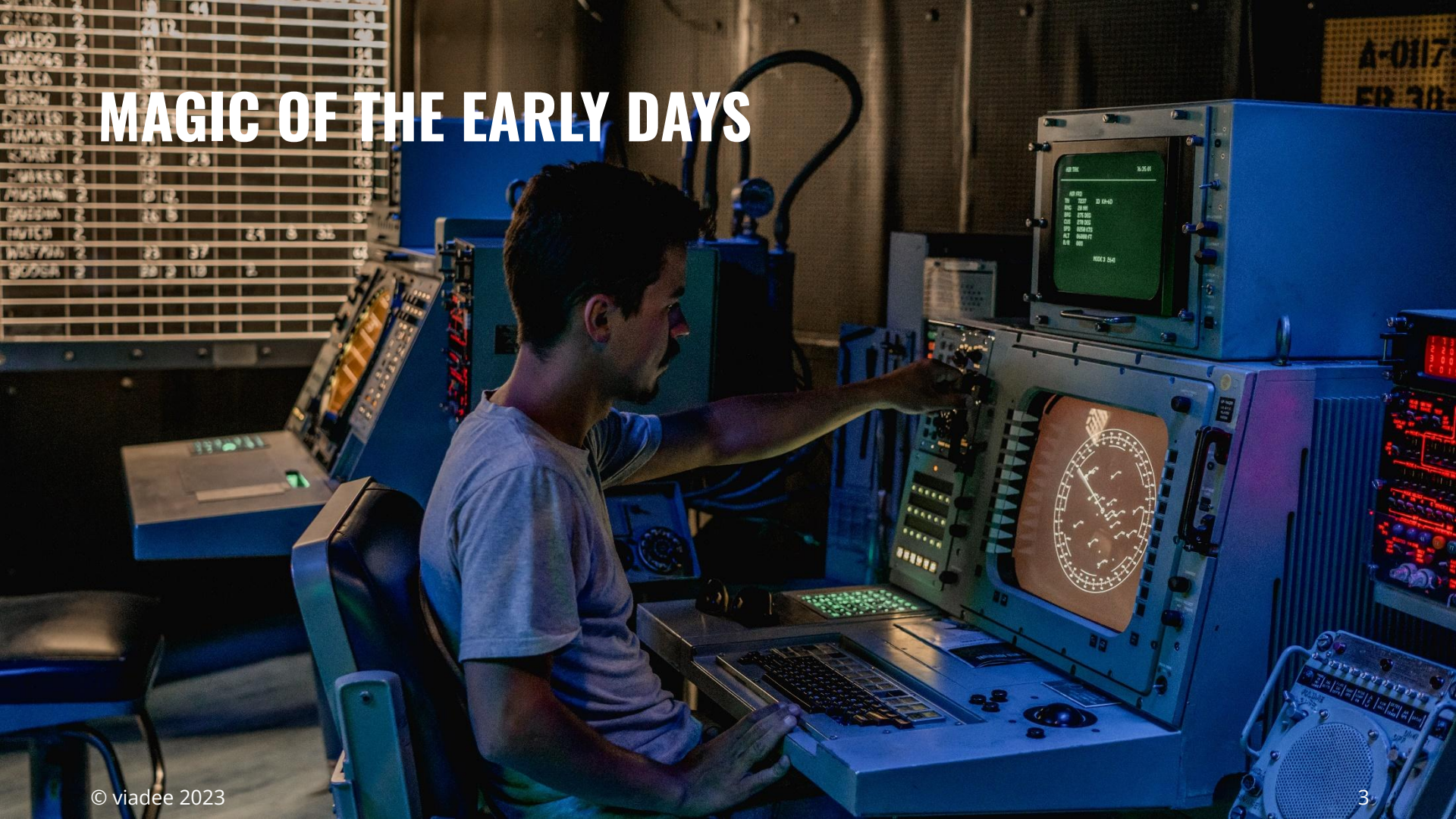
WHY

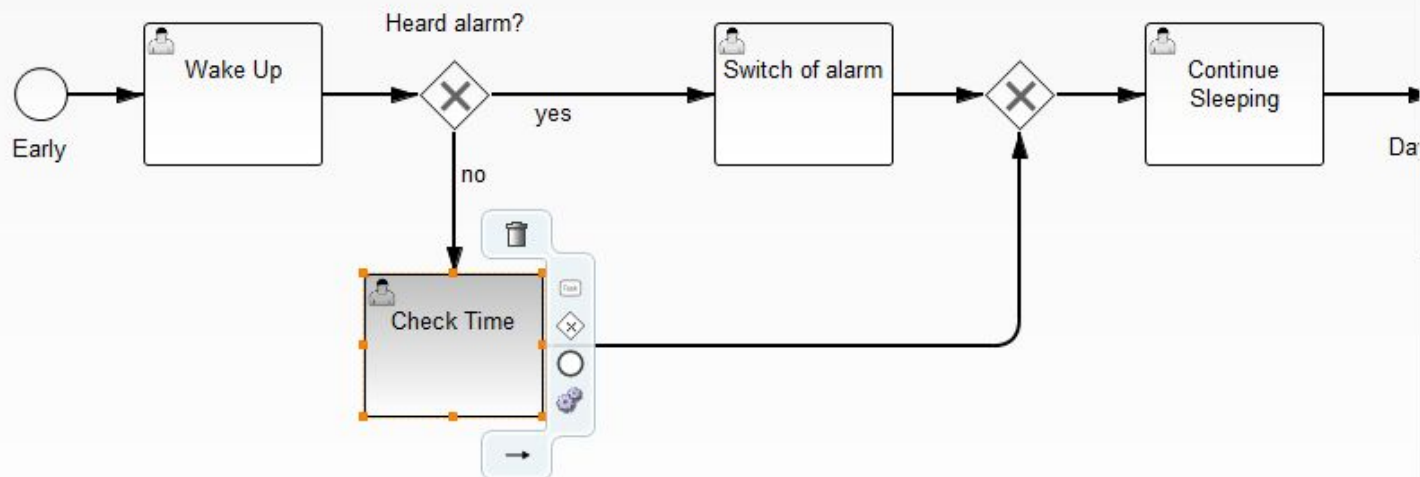


MAGIC OF THE EARLY DAYS

CLAYTON	2	19	44	156
GILSO	2	28	12	148
THOMAS	2	11		124
SALSA	2	24		174
GRIM	2	33		88
DEXTER	2			12
HAPPER	2			12
SPART	2	23	23	15
WIKER	2	12		12
MUSTARD	2	9	12	12
BRIDGM	2	16	8	37
HATCH	2			24
WATMAN	2	23	37	64
BOGGA	2	29	19	2

A-0117
FR 30





Palette

Select

Marquee

Connectors

Sequence Flow

Tasks

Task

Gateways

Inclusive Gateway

Events

Start Event

End Event

Event Definitions

Data Items

Other

Design Source

Tasks Properties

User Task "Check Time"

General

Id: sid-C159F0C3-9739-4D93-93EE-9F28F1BCCBB9

Multi Instance

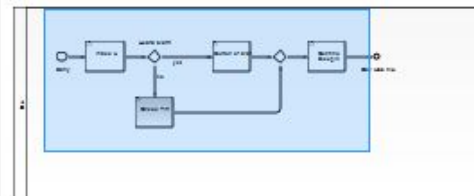
Listener

Name: Check Time

Form Fields

Assignee:

Outline



„THIS WEEK I HAVE TO DO PROCESS OPS AGAIN“





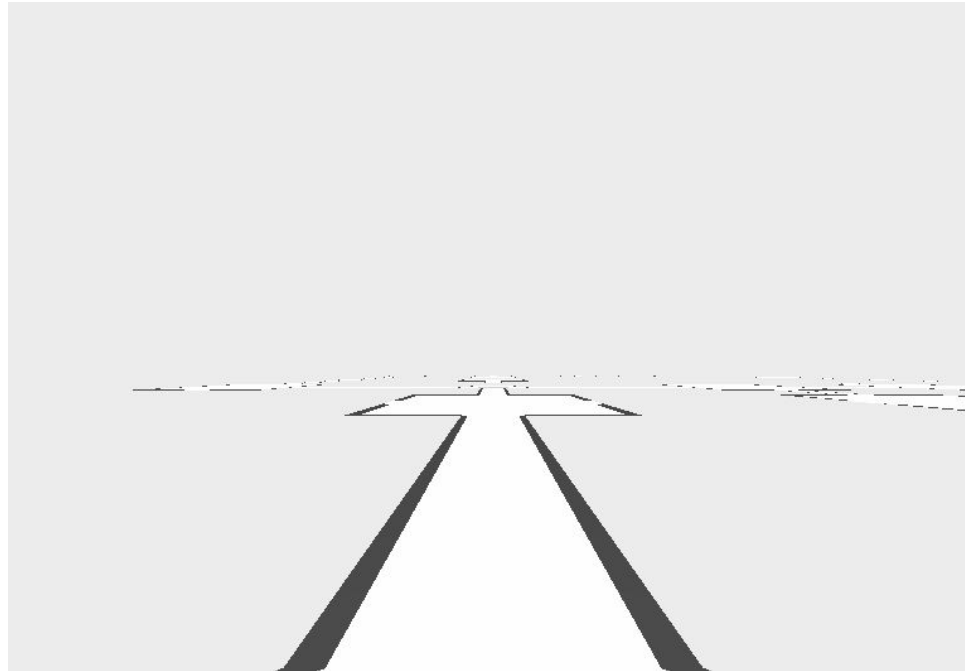
WE LOVE TO PLAY!

HOW MUCH COOLER WOULD IT BE?

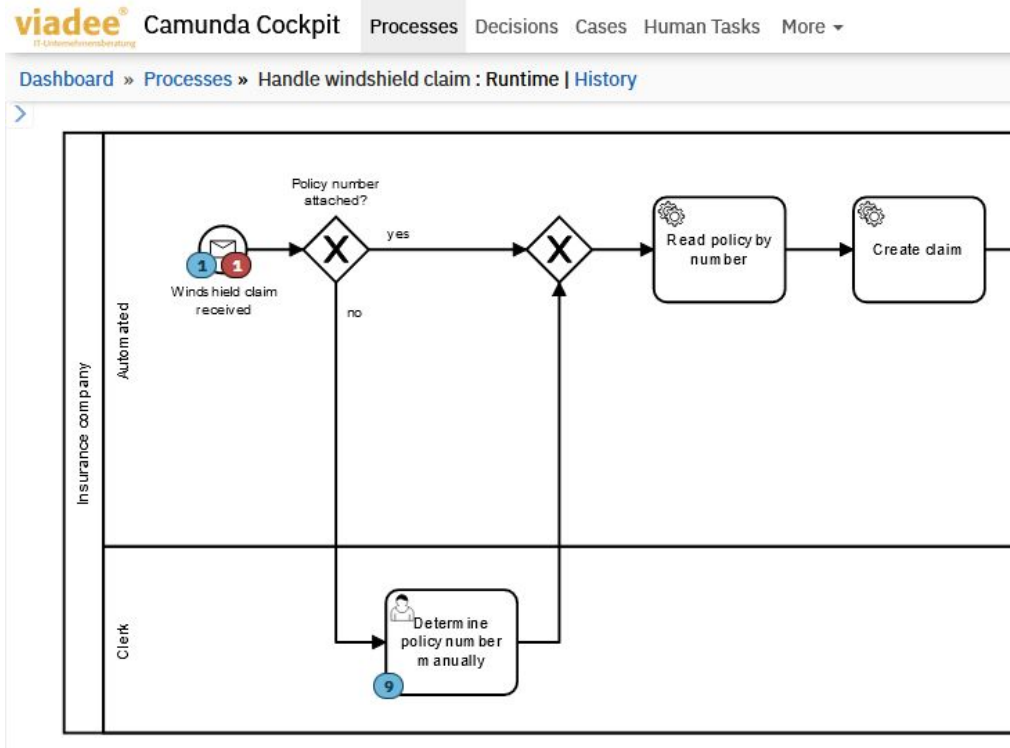


HOW DO WE WANT TO VISUALIZE THE PROCESS?

<https://camunda.com/blog/2018/02/creating-a-3d-renderer/>



KEEP OVERVIEW OVER PROCESS



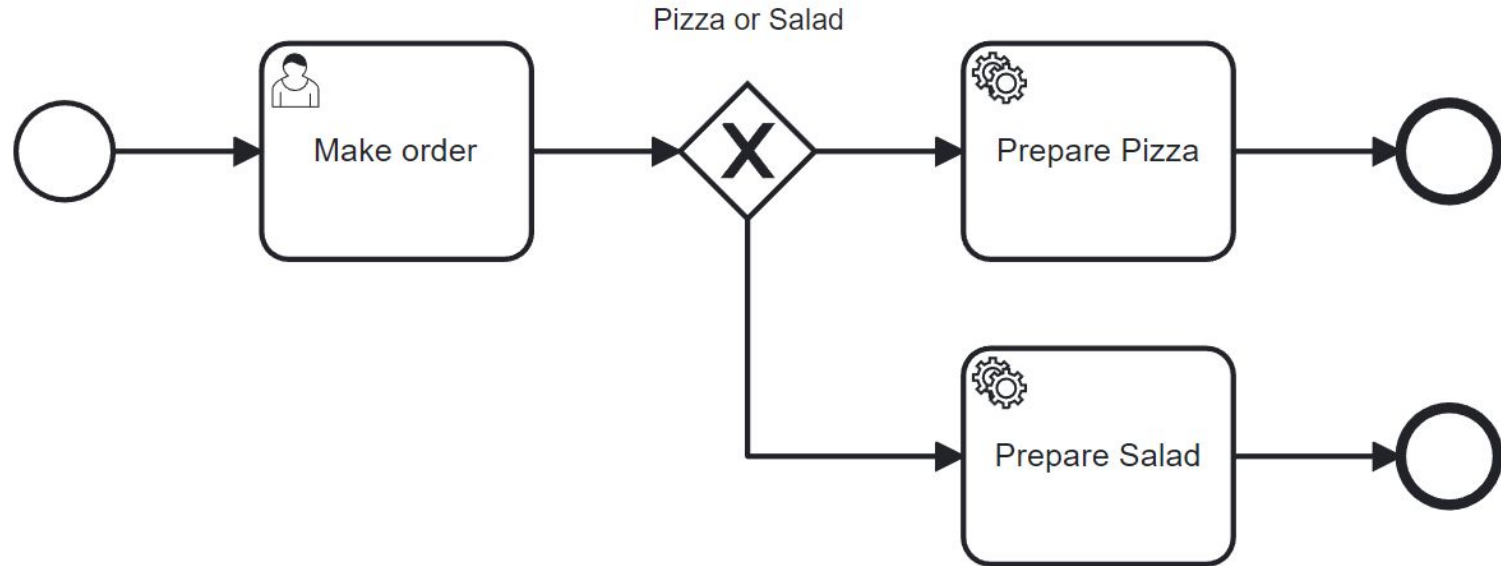
„But you would have to develop something to parse the BPMN-XML-Files and also reimplement something like bpmn-js in a game engine in order to display the process in 3D and...“

„Yes!“

PROTOTYPE

- Display 1 process model at a time
 - and only the newest version of that process model running in the Camunda engine
- Display all current activity instances (blue tokens) in this process
- Display any incidents (red tokens) in this process
- Modify process instances: „Drag tokens around“

BPMN-COVERAGE OF PROTOTYPE



ALLOWED BPMN ELEMENTS FOR ORGANIZATION

▲ ATlassian Marketplace



BPMN Modeler Enterprise

by viadee Unternehmensberatung AG

for Confluence Cloud, Confluence Server 7.0.1 - 8.2.2, Confluence Data Center 7.0.1 - 8.2.2 and more

★★★★★ 7 ↓ 526 installs

SUPPORTED CLOUD MIGRATION ASSISTANCE

Try it free

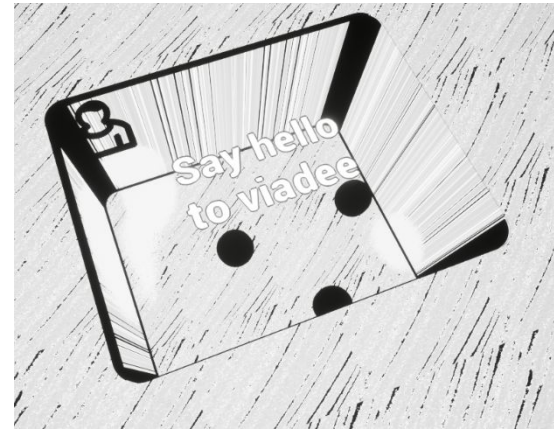
<https://blog.viadee.de/en/bpmn-3.26.0-bpmn-element-restriction>



3D TASK

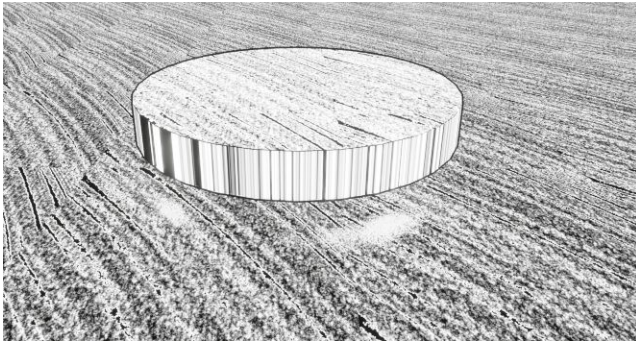


3 activity
instances



3D TOKEN

3D Token



OR

3D Token

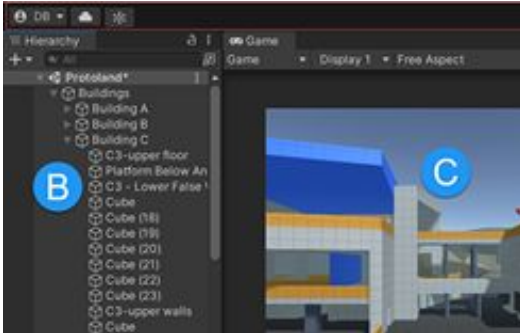


GAME ENGINES

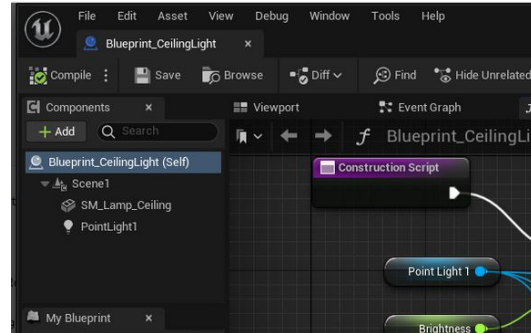
Frameworks to develop video games (and more)

- 3D Level Editors
- 3D Image Renderer
- Code Editors

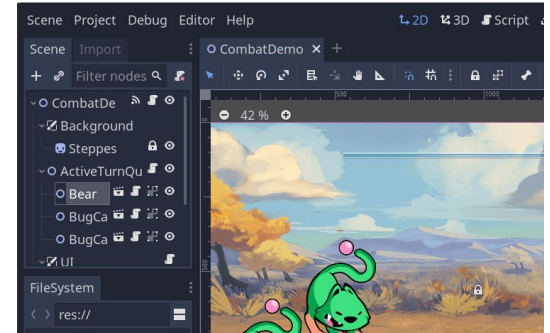
Unity



Unreal Engine



Godot

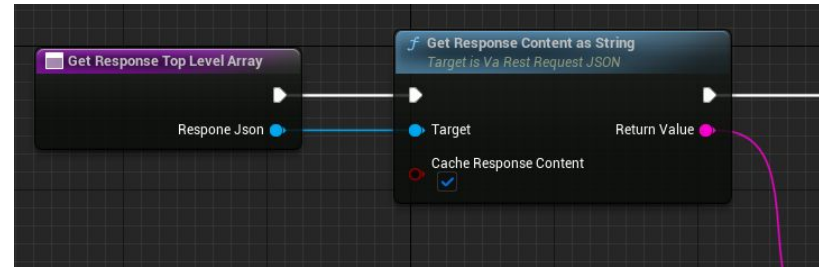


PROGRAMMING LANGUAGE



OR

Blueprints



CAMUNDA REST-API

Camunda
REST-API



Query BPMN XML
and process state



Modify
process instances

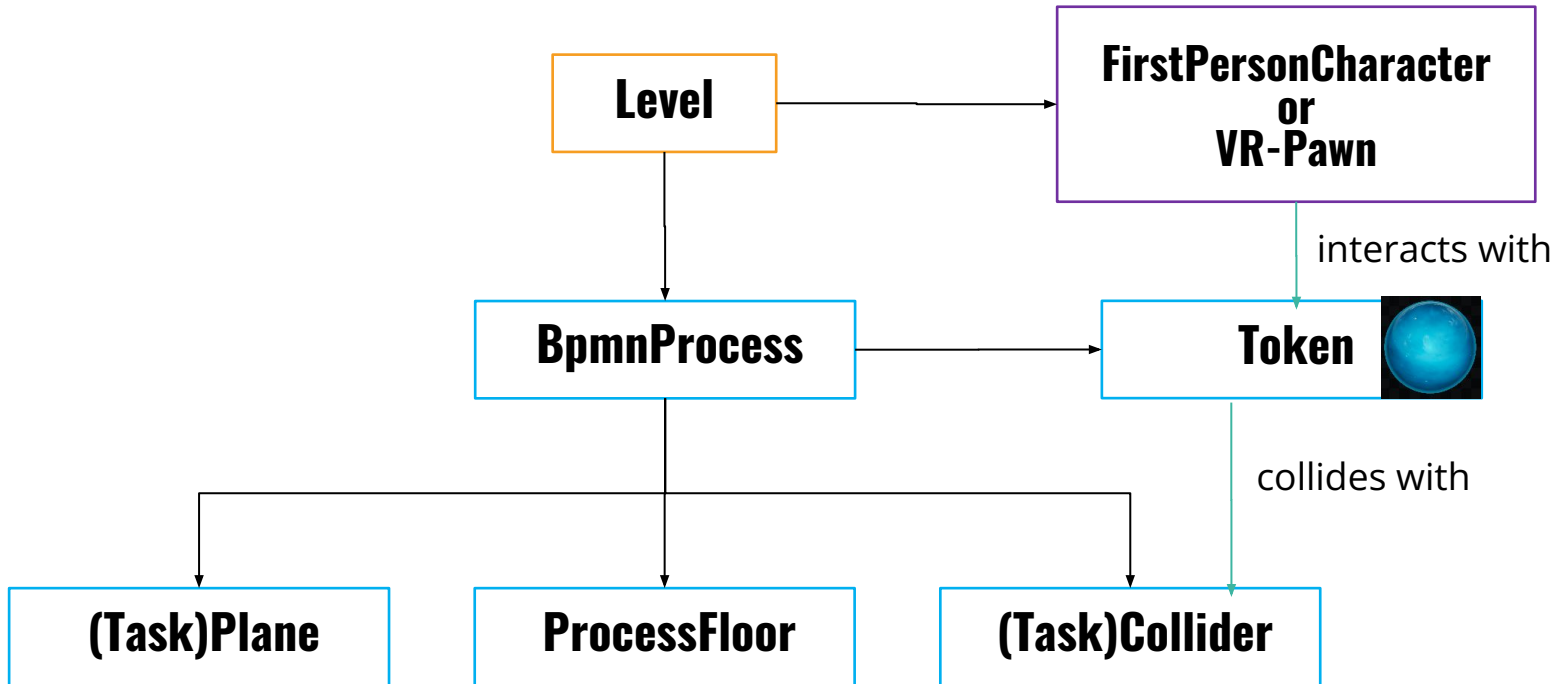
Camunda VR-Cockpit

1. GET /process-definition/
2. GET /process-definition/key/<someProcessDefinitionKey>/xml
3. GET /process-instance?processDefinitionId=<someProcessDefinitionId>
4. GET /process-instance/<someProcessInstanceId>/activity-instances
5. POST /process-instance/<someProcessInstanceId>/modification

DEMO TIME!



BLUEPRINT ARCHITECTURE



DON'T BUY A VR HEADSET!

RENT AND SHARE!





GO OUT THERE AND ENJOY REALITY ;-)

THANK YOU VERY MUCH!



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<https://www.viadee.de/en/>

