VNV

Software Architecture Document

Version 1.0

Revision History

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Software Architecture Document

# Introduction

## Purpose

This document provides a comprehensive architectural overview of the system, using a number of different architectural views to depict different aspects of the system. It is intended to capture and convey the significant architectural decisions which have been made on the system.

## Scope

The scope of this SAD is to show the architecture of vnv.

## References

Link to class diagram

## Overview

[This subsection describes what the rest of the **Software Architecture Document** contains and explains how the **Software Architecture Document** is organized.]

# Architectural Representation

vnv uses an extended MVC-Pattern.

Picture: mvc.png

# Architectural Goals and Constraints

We decided to use Spring for the backend and AngularJs for the frontend of the webproject. Both components are coupled by the Rest-API.

Picture: ArchitectureDiagramm.png

# Use-Case View

n/a

# Logical View

## Overview

[This subsection describes the overall decomposition of the design model in terms of its package hierarchy and layers.]

## Architecturally Significant Design Packages

[For each significant package, include a subsection with its name, its brief description, and a diagram with all significant classes and packages contained within the package.

For each significant class in the package, include its name, brief description, and, optionally, a description of some of its major responsibilities, operations, and attributes.]

# Process View

n/a

# Deployment View

n/a

# Implementation View

n/a

# Data View (optional)

[A description of the persistent data storage perspective of the system. This section is optional if there is little or no persistent data, or the translation between the Design Model and the Data Model is trivial.]

# Size and Performance

[A description of the major dimensioning characteristics of the software that impact the architecture, as well as the target performance constraints.]

# Quality

[A description of how the software architecture contributes to all capabilities (other than functionality) of the system: extensibility, reliability, portability, and so on. If these characteristics have special significance, such as safety, security or privacy implications, they must be clearly delineated.]