
<Company Name>

**PoS Systems
Software Architecture Document**

Version 1.1

PoS Systems	Version: 1.1
Software Architecture Document	Date: 24.11.16
pos_rup_sad	

Revision History

Date	Version	Description	Author
24.11.16	1.0	Creation of document	Sven Baumann
28.11.16	1.1	-minor changes (Architectural Goals and Constraints)	Sven Baumann

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Software Architecture Document

1. Introduction

1.1 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.

1.2 Scope

The scope of this SAD is to show the architecture of the PoS application. Affected are the class structure, the use cases and the data representation.

1.3 Definitions, Acronyms, and Abbreviations

tbd to be determined
n/a not available

1.4 References

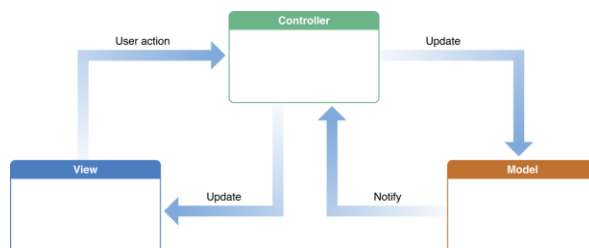
[MVC Model](#)
[Classdiagram](#)
[DB Model](#)

1.5 Overview

This document describes the software architecture to ensure that everybody understands it and new developers can be let into the project easily. It describes how the application is structured, why it is structured like it is and what we do to ensure that our code meets a certain quality standard.

2. Architectural Representation

This project will use the MVC architecture.



<https://developer.apple.com/library/mac/documentation/General/Conceptual/DevPedia-CocoaCore/MVC.html>

3. Architectural Goals and Constraints

The main goal of the MVC architecture is to separate the view from the logic. Therefore the view knows nothing on its own, but gets all information from the logical part. To realize this structure, we're using Spring.

4. Use-Case View

4.1 Use-Case Realizations

n/a

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5. Logical View

5.1 Overview

[Classdiagram](#)

5.2 Architecturally Significant Design Packages

n/a

6. Process View

n/a

7. Deployment View

The deployment view for this application is rather simple. To run the application the user only needs an actual browser to request a specific URL.

8. Implementation View

8.1 Overview

n/a

8.2 Layers

n/a

9. Data View (optional)

[DB Model](#)

10. Size and Performance

n/a

11. Quality

n/a