

**Online-Library
Software Architecture Document**

Version 2.0

Online-Library	Version: 1.0
Software Architecture Document	Date: 30/11/13
Torsten, Wanping	

Revision History

Date	Version	Description	Author
30/11/2013	1.0	Software Architecture Document	Torsten, Wanping
07/06/14	2.0	Software Architecture Document	Torsten, Wanping

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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

This document contains the MVC as well as the class diagram of the project OnLib.

1.3 Definitions, Acronyms, and Abbreviations

n.a.

1.4 References

This document contains all 5 Use Case documents and SRS document.

1.5 Overview

This document shows the software architecture of OnLib.

2. Architectural Representation

n.a.

3. Architectural Goals and Constraints

OnLib is a Web application to borrow books, CDs and Movies. For this process we need the address of the person. And every member of this page has a password for the login. The password is encoded. And the security of this page has to be high because of the address of the members.

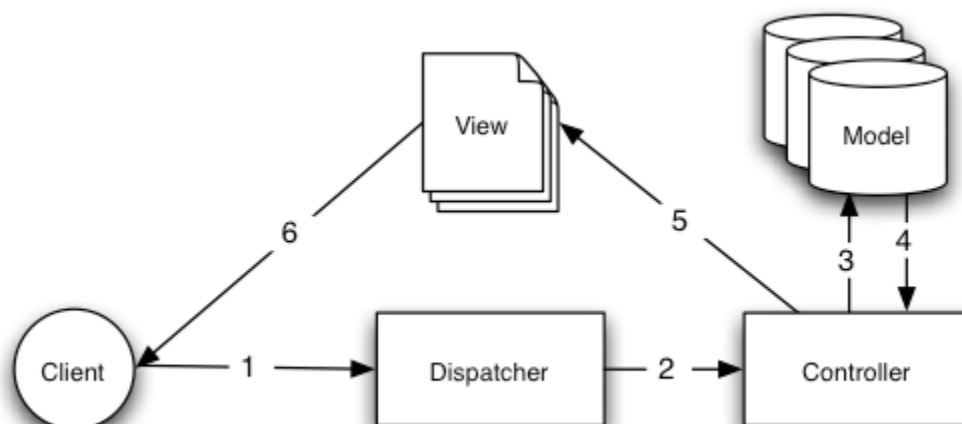
4. Use-Case View

See SRS

4.1 Use-Case Realizations

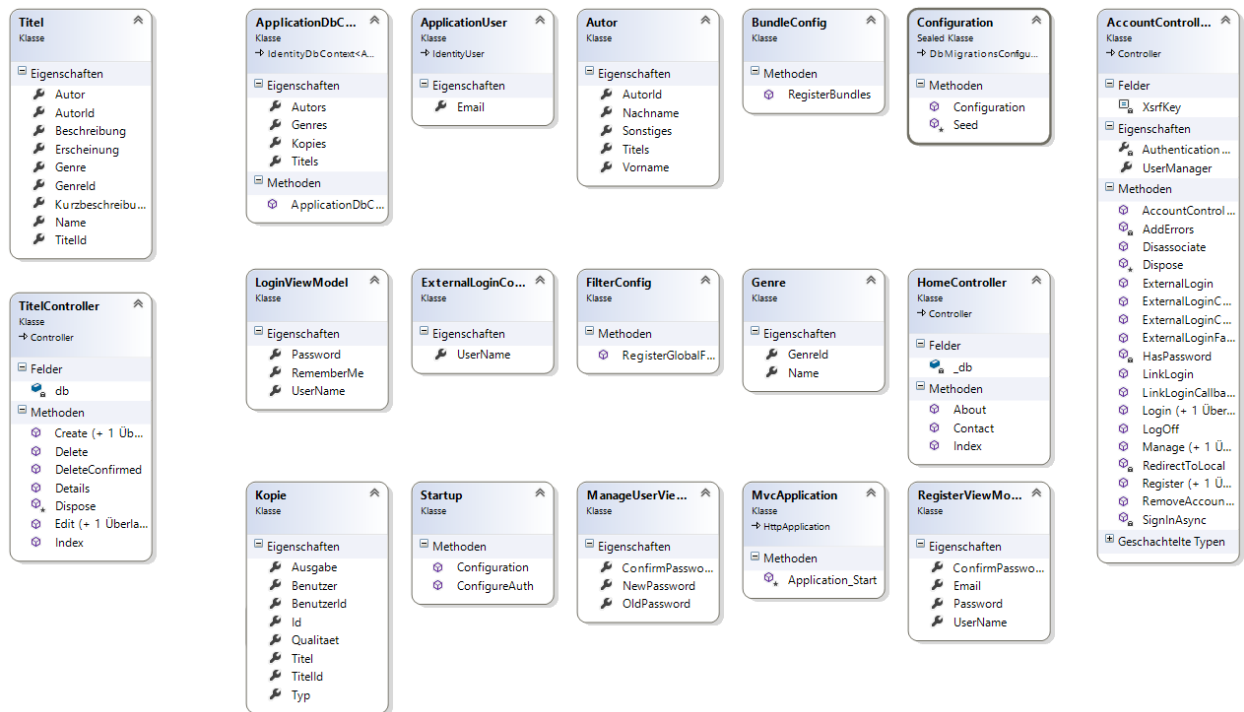
See SRS

5. Logical View



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5.1 Architecturally Significant Design Packages

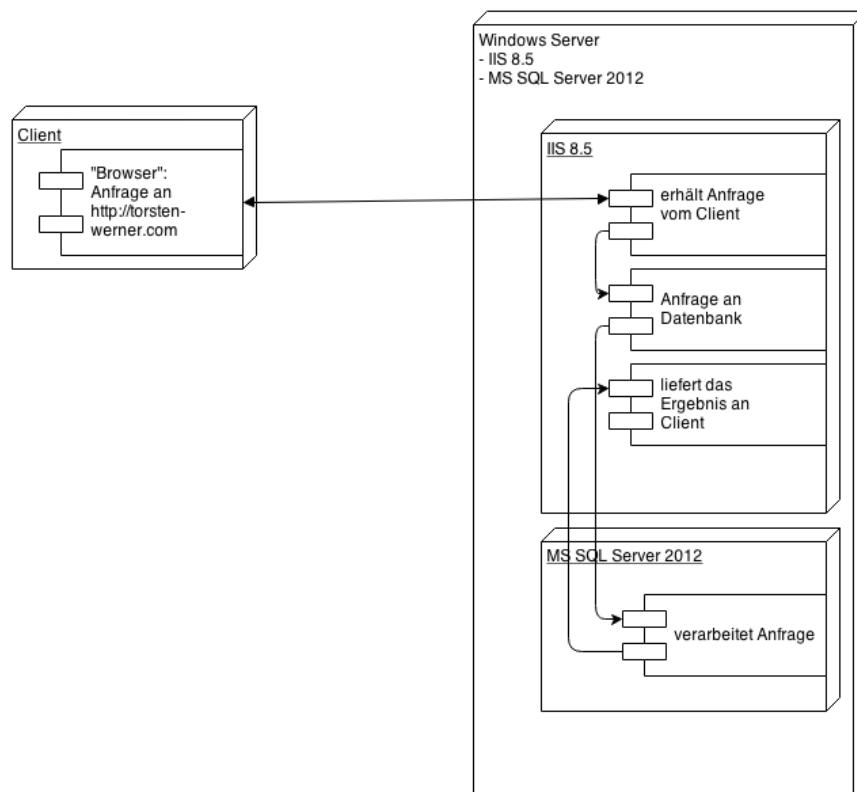


6. Process View

N.A.

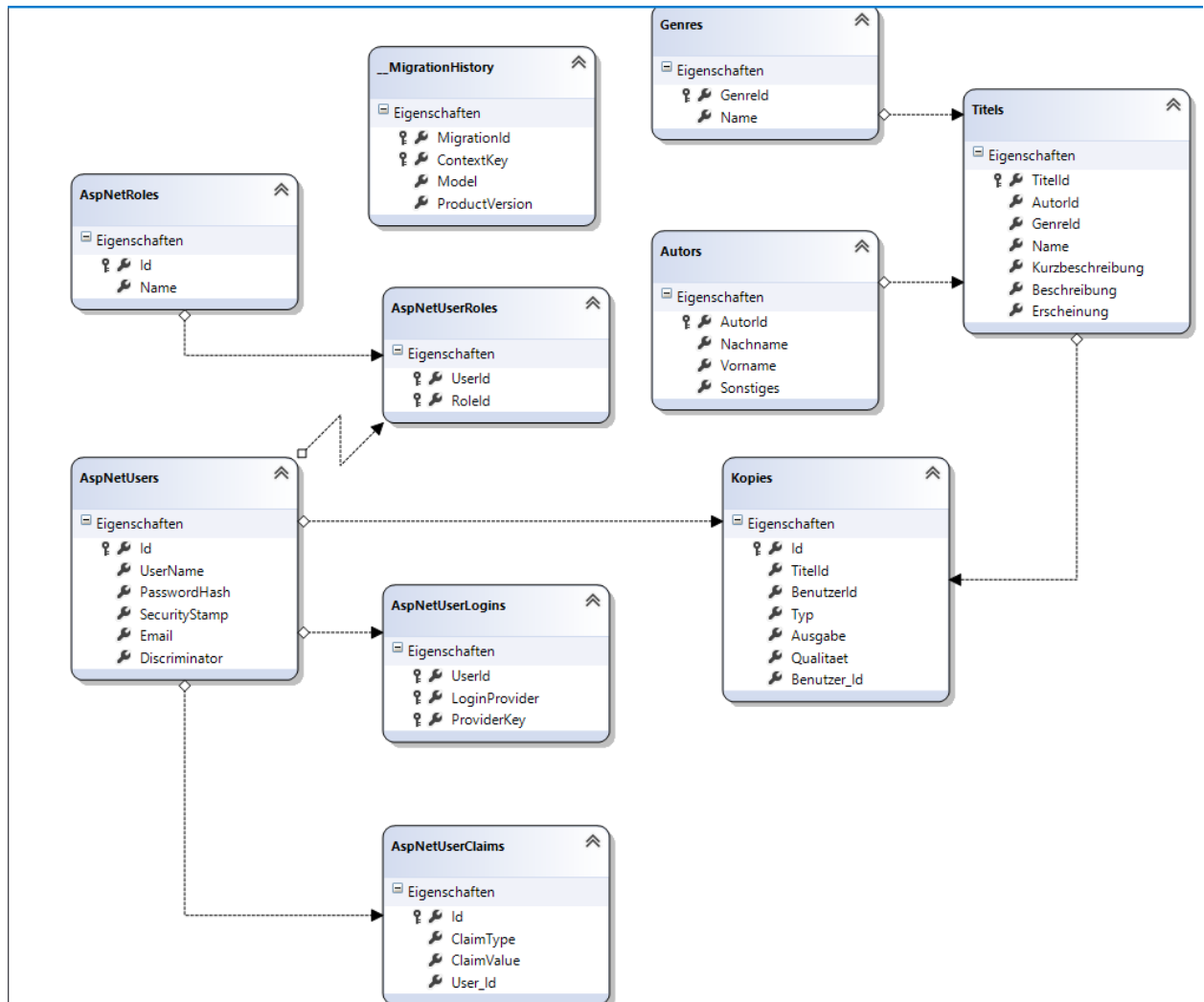
7. Deployment View

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8. Data View (optional)



9. Size and Performance

The major dimensioning characteristic of the software is the convenient way to borrow books, CDs and movies. Server congestion can be the consequence of many users. However, this problem has already been considered when setting up the server, so this page should also work with many members who are online at the same time.

10. Quality

The security of this site is very important, so the users' passwords are stored encrypted. Also, in the database the addresses of the users are stored in order to enable the borrowing. However, the data of the user are securely stored, since privacy is very important to us.

In addition, the server has been professionally fitted to avoid a server crash.