Snow White

Software Architecture Document

Version 1.0

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Revision History

Date	Version	Description	Author
30.11.16	1.0	First version of this document	Dominik Jülg

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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

Mainly, our mirror front end and our configuration front end are affected by this document. They make use of the MVC architecture.

Definitions, Acronyms and Abbreviations

Dwarf	A dwarf is a piece of information shown on the mirror. It can be compared with widgets from the Android world. Further information can be found in the "Dwarf Specification" Document.

References

See https://sites.google.com/view/snowwhitedev
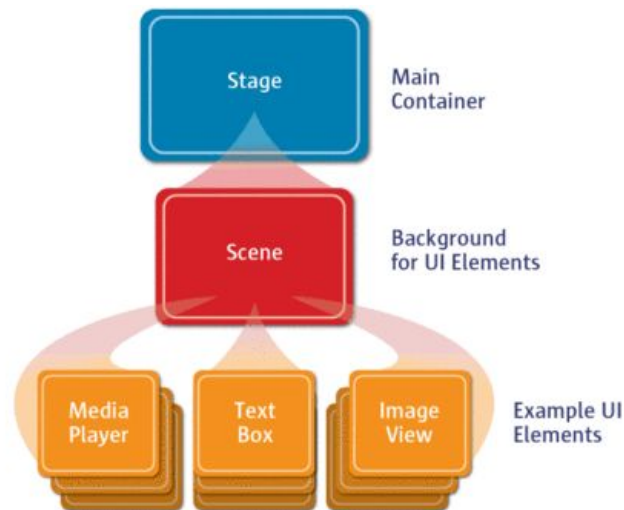
Overview

Check back later

Architectural Representation

The mirror UI is based on the MVC model as it is developed with JavaFX. It is using a theatre as abstraction for their view architecture as you can see in the graphic below. There is one stage,

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where multiple scenes can be played on. Our configuration page is using .NET core with the ASP.NET to stick to the MVC model, also.

Architectural Goals and Constraints

We need user interaction by speech only, because the user interacts with a mirror and other technologies like touch support would be really unfavorable. Furthermore security and privacy of data is very important as a user might be connected to multiple internet platforms with username and password. This data must not be accessible for anyone. Therefore we don't story any user specific data on an online server. Furthermore, we are constrained to the Microsoft Speech API because they verify our users.

Use-Case View

Take a look at our SRS document.

Use-Case Realizations

Take a look at our Use Case Specifications.

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Logical View

Check back later.

Overview

Check back later