LERUKA

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Software Architecture Document

Version <1.1>

Revision History

Date	Version	Description	Author
11/11/2015	1.0	Created SAD	all
02/12/2015	1.1	changed logical view	Ruth W.
07/06/2016	1.2	Patterns insert und weitere Anpassungen	Ruth W.

Table of Contents

Software Architecture Document

1. 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

This document shows the architecture of our project LERUKA.

Definitions, Acronyms, and Abbreviations

SAD - Software Architecture Document
MVC - Model-View-Controller

References

n/a

Overview

n/a

2. Architectural Representation

For developing an Android APP the inherited Android MVC will be used.

3. Architectural Goals and Constraints

We will use the inherited Android MVC. Which has the main goal to separate the view and the controller.

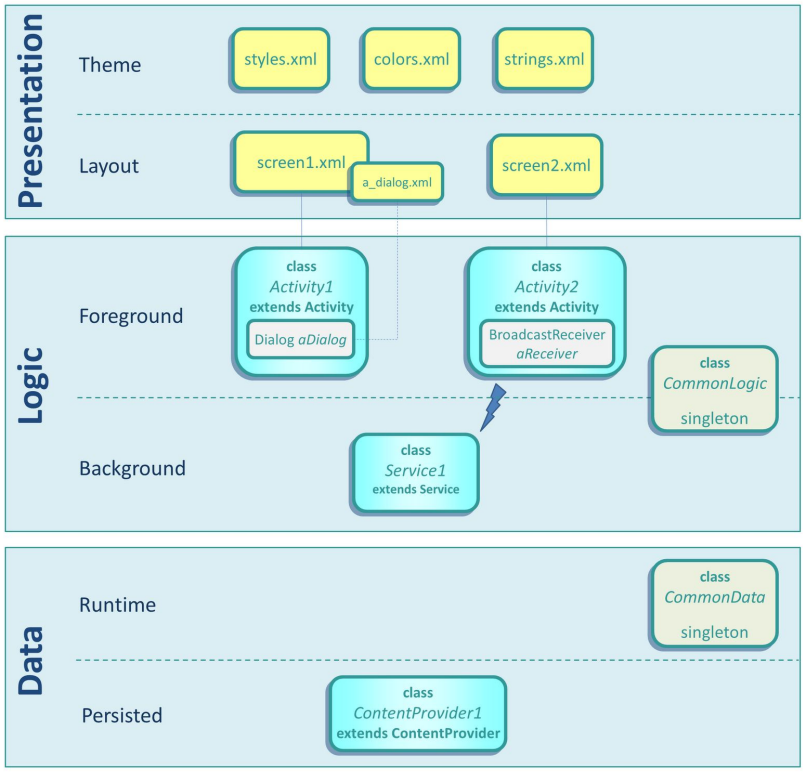
4. Use-Case View

Use-Case Realizations

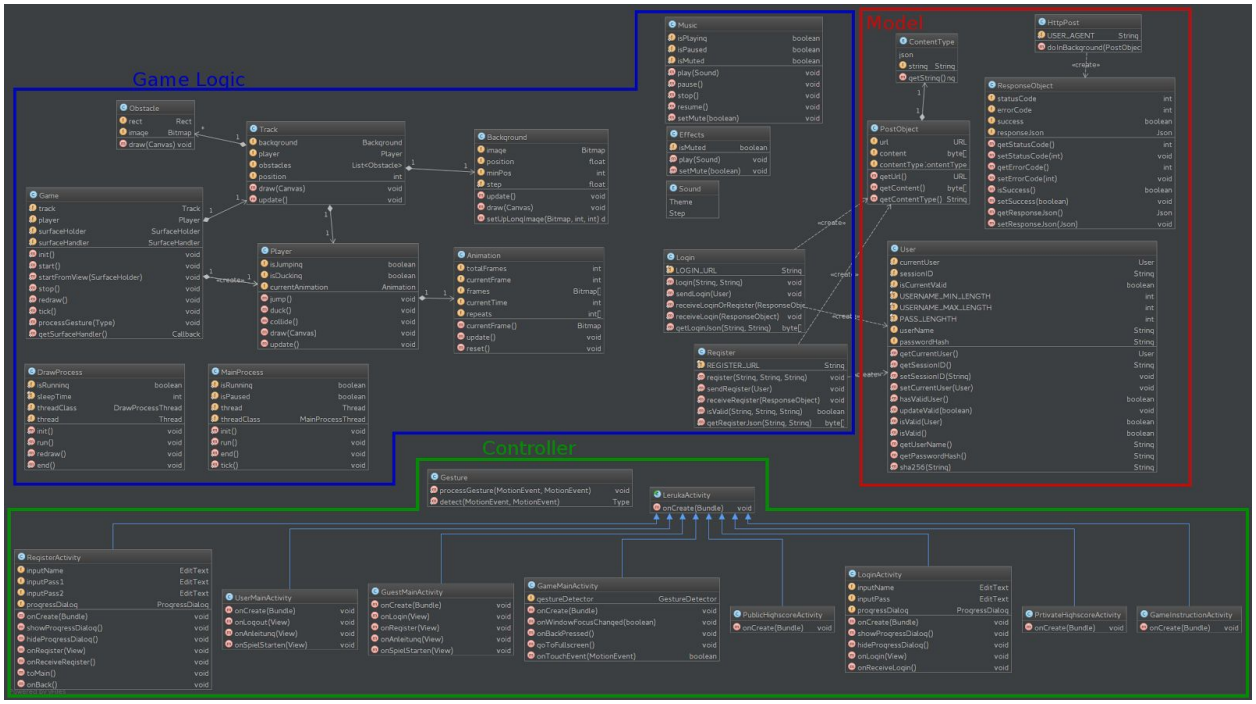
n/a

5. Logical View

Overview



Architecturally Significant Design Packages

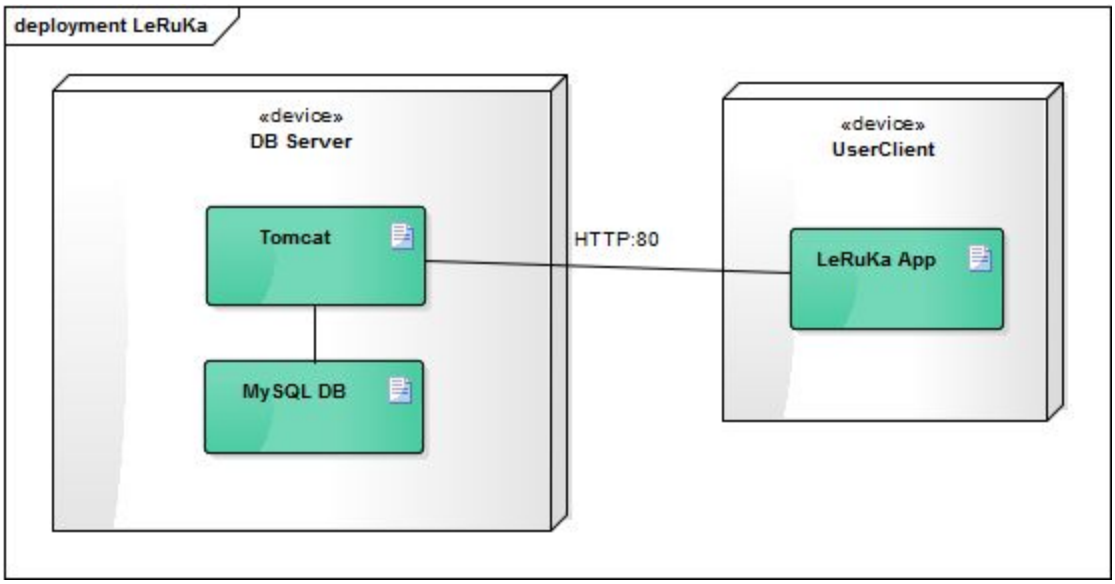


Here you can see the graphic in full size.

6. Process View

n/a

7. Deployment View



8. Implementation View

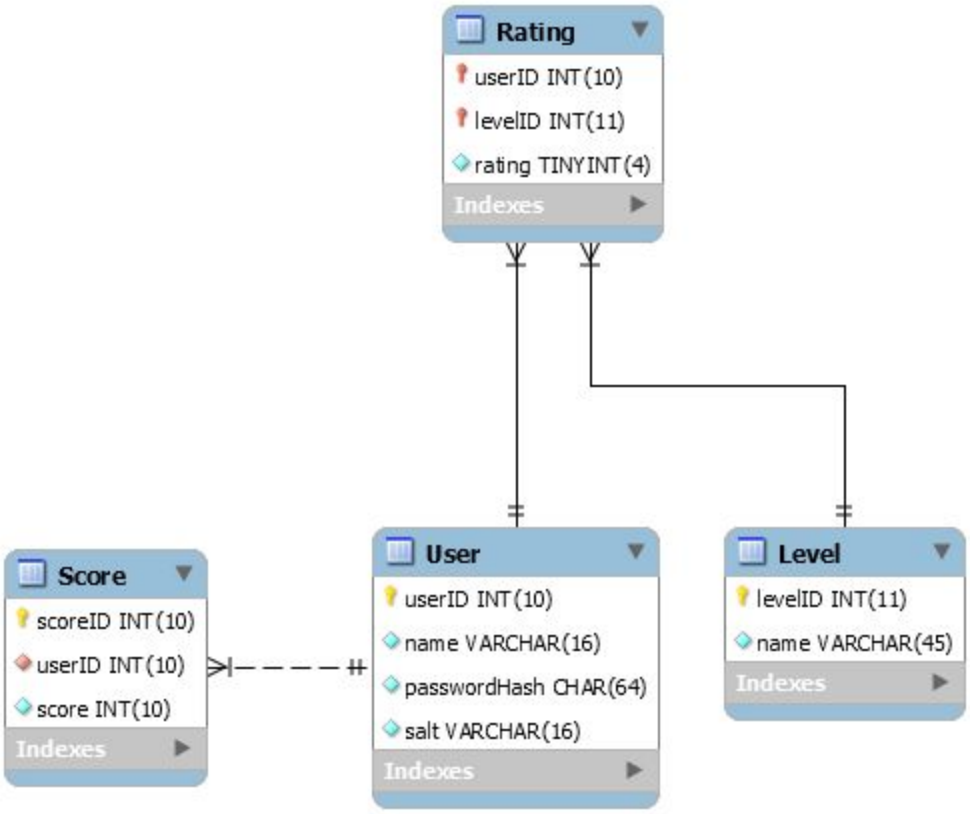
Overview

n/a

Layers

n/a

9. Data View (optional)



10. Size and Performance

Both size and performance are quiet important for the project. An app should not need much of the size of the internal storage of the phone, because if it would some user would uninstall it. Performance is very important because the app is a game and when the play figure does not run smoothly.

11. Quality

Factory method pattern

With the following link you can look at our blog entry which we wrote to describe the factory method pattern, also there is an example on how we used it on our code.
https://leruka.wordpress.com/2016/05/10/se_02_hw5-design-pattern/