Fire Breathing Rubber Duckies

rAppla
Software Architecture Document

Version 1.0

Revision History

Date	Version	Description	Author
29/11/13	1.0		Philipp Nitsche

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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 gives you a complete overview of the System to understand the different dependencies within the program. It can be used to successfully reproduce the effects of all decisions made.

1.3 Overview

The following paragraphs give you Information about the Use-Case View, the logical View and the Deployment View of our application.

2. Architectural Representation

The software architecture document explains how all different aspects of the application are constructed and how they work together. It is a great help, which can be accessed during developing and improving stages for always knowing which effects follow the changes you may apply to your code.

3. Architectural Goals and Constraints

The rAppla application is a non-commercial product, which does not have to protect any kind of no safety-relevant code or data. All the data displayed by the application are already accessible to the public. Portability and distribution do not develop any problems, because the application is free to download and free to use.

The proper use of the application depends on the version of the version of the Android operating system, which –at the moment- has to be 4.0 or higher. It is our goal to convert our code bit for bit, until the application can be run successfully on the oldest supported Version of Android, which is currently 2.0.

The only external dependency, on which relies the functionality of updating, which is the main Use-Case that our application describes, is the proper connection to the online repository called “rapla” which stores the fixed dates you want to integrate in your calendar.

4. Use-Case View

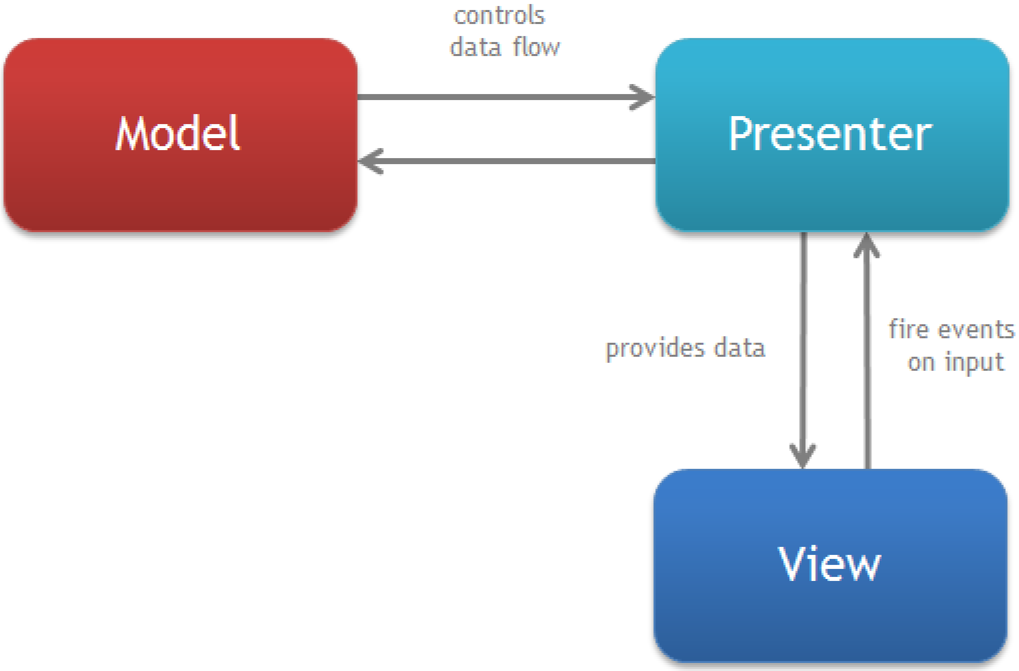
Part of the SRS

4.1 Use-Case Realizations

Part of the SRS

5. Logical View

5.1 Overview



5.2 Architecturally Significant Design Packages

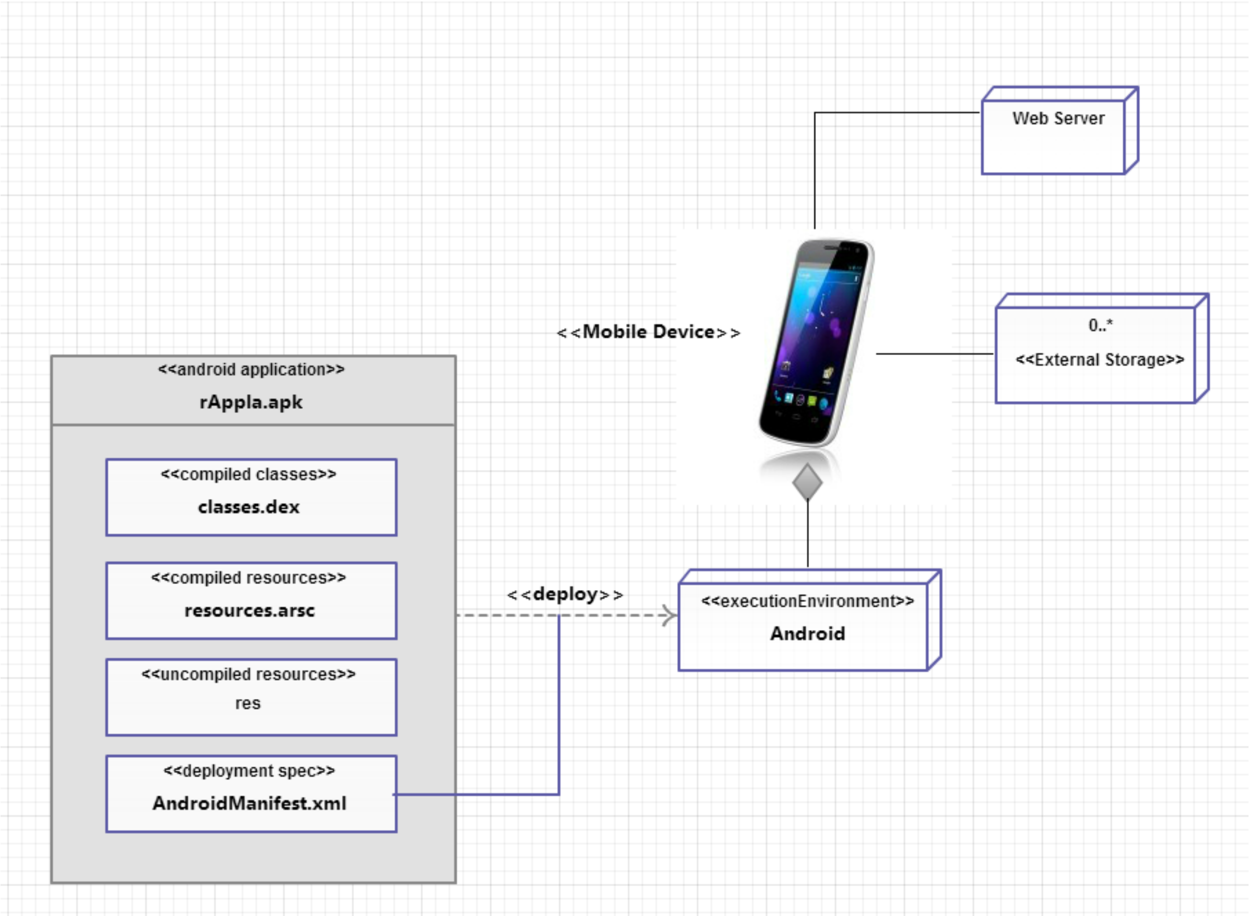
Class diagram is deployed online and accessible when using this link:

https://github.com/panda73111/rAppla/tree/master/UML-Diagramme

6. Process View

N.A.

7. Deployment View



8. Data View (optional)

N.A.

9. Size and Performance

//TODO

10. Quality

//TODO