Gaming-Bets

Software Architecture Document

Version 1.1

Revision History

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| 15.11.2015 | 1.0 | Document created | Nicals Petersohn |
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Software Architecture Document

# 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 GamingBets Application.

## Definitions, Acronyms, and Abbreviation

MVC – Model View Controller

tbd – to be determined

## References

blogsiteloremipsum.de

## Overview

tbd

# Architectural Representation

This Project will use MVC Principles for development.

# Architectural Goals and Constraints

Since our App will mainly have to deal with data management (e.g. user data, game data) using an MVC structure in combination with a client-server technology will be the approach. The inherited MVC-Pattern by Android will be our way to go here. Dividing View and Controllers as a focus.

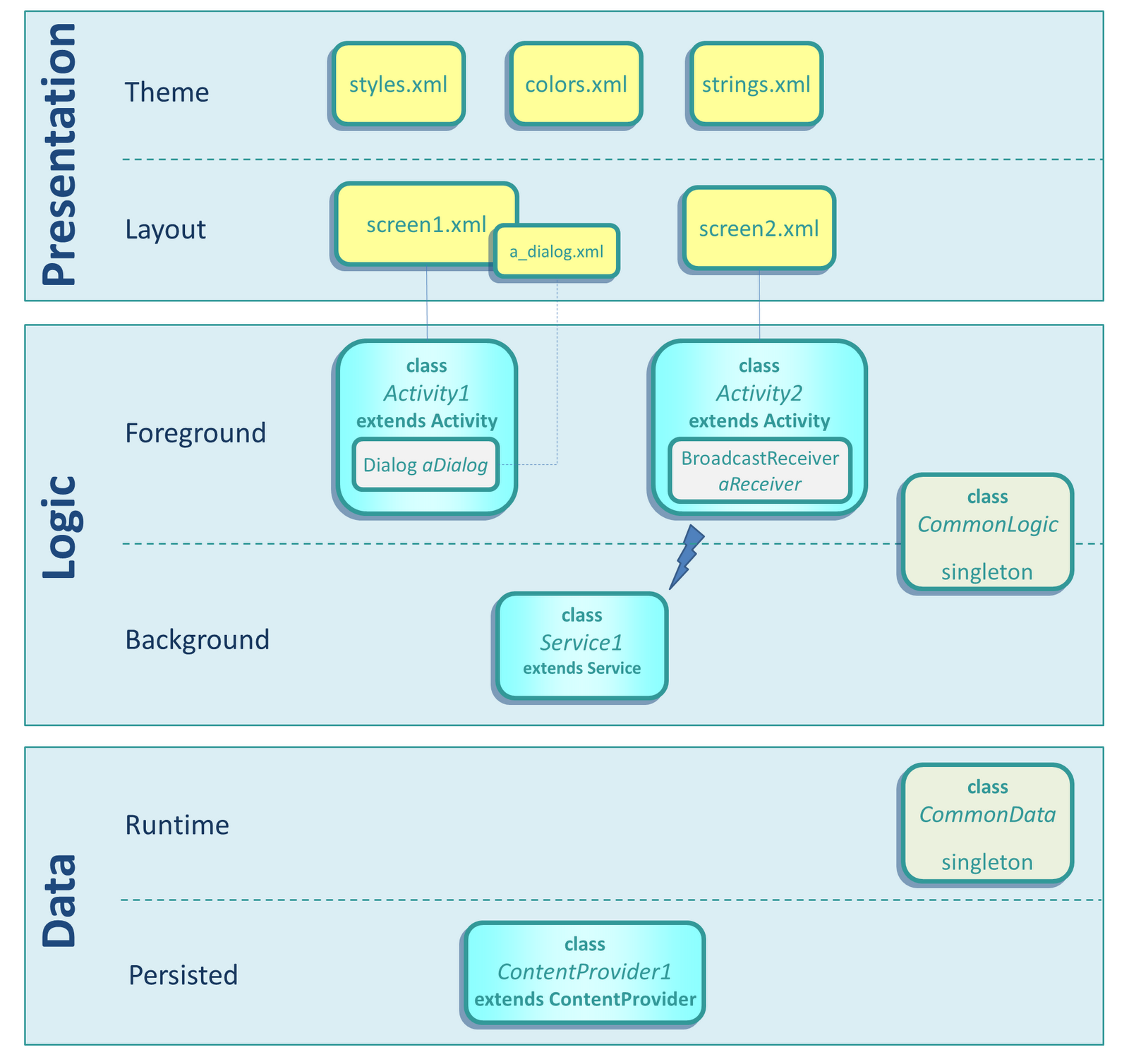
# Use-Case View

tbd

## Use-Case Realizations

tbd

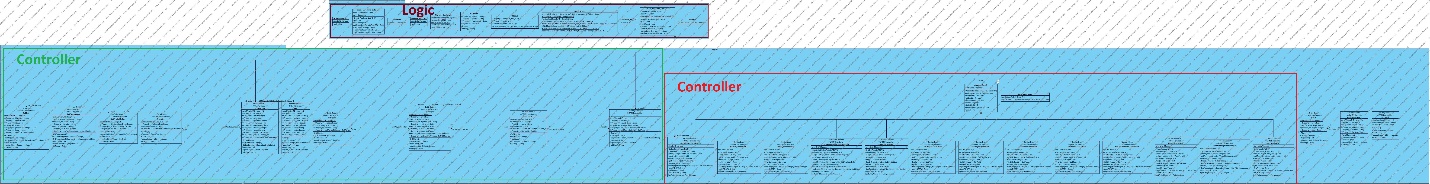
# Logical View



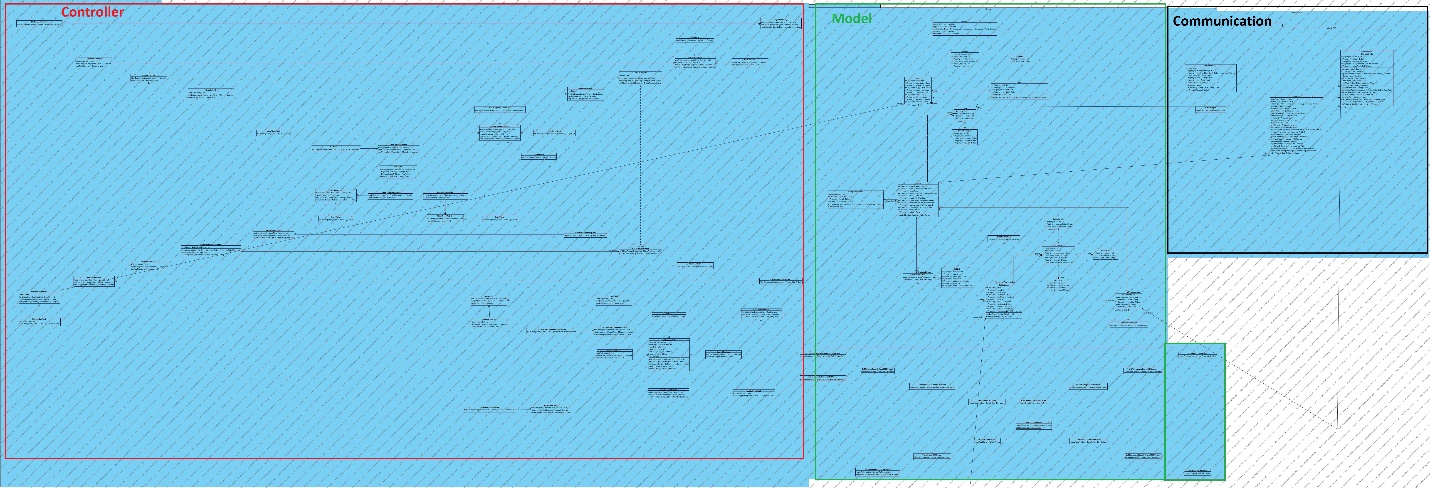
## Overview

## Architecturally Significant Design Packages

### Server



### Client

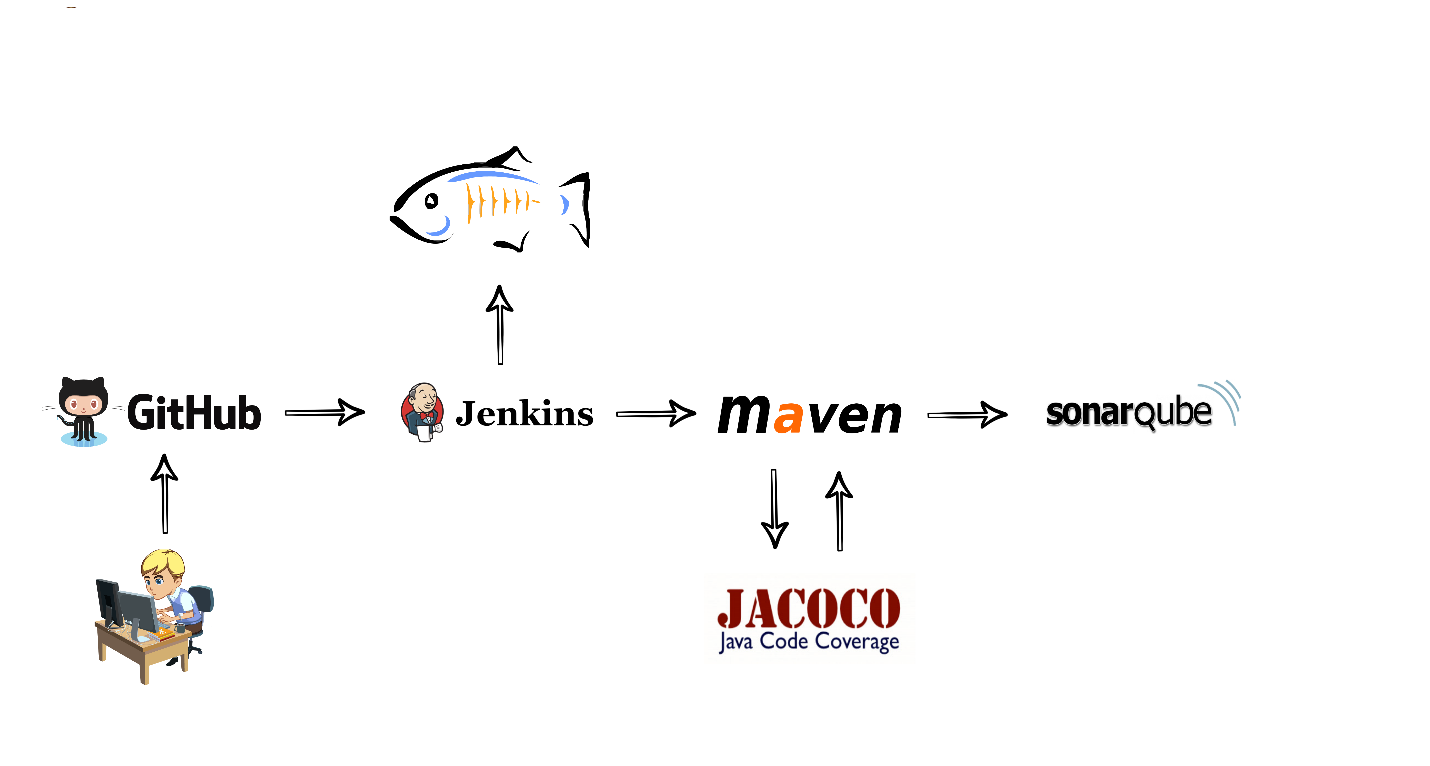


The View area is not realized as Java-Classes, in Android these are XML-Documents, which automatically creates a separation between View and Controller.

# Process View

n/a

# Deployment View



The Deployment process is based on Jenkins. Every push into our master branch on GitHub will initiate a Jenkins build. This build will be executed with maven and build a *.war* file. It will run unit test with every build and report the test coverage with JaCoCo. Test coverage and static code analysis is then send to SonarQube, with each build. After a successful maven build, the *.war* file is then remotely deployed to our GlassFish 3 application server.

# Implementation View

n/a

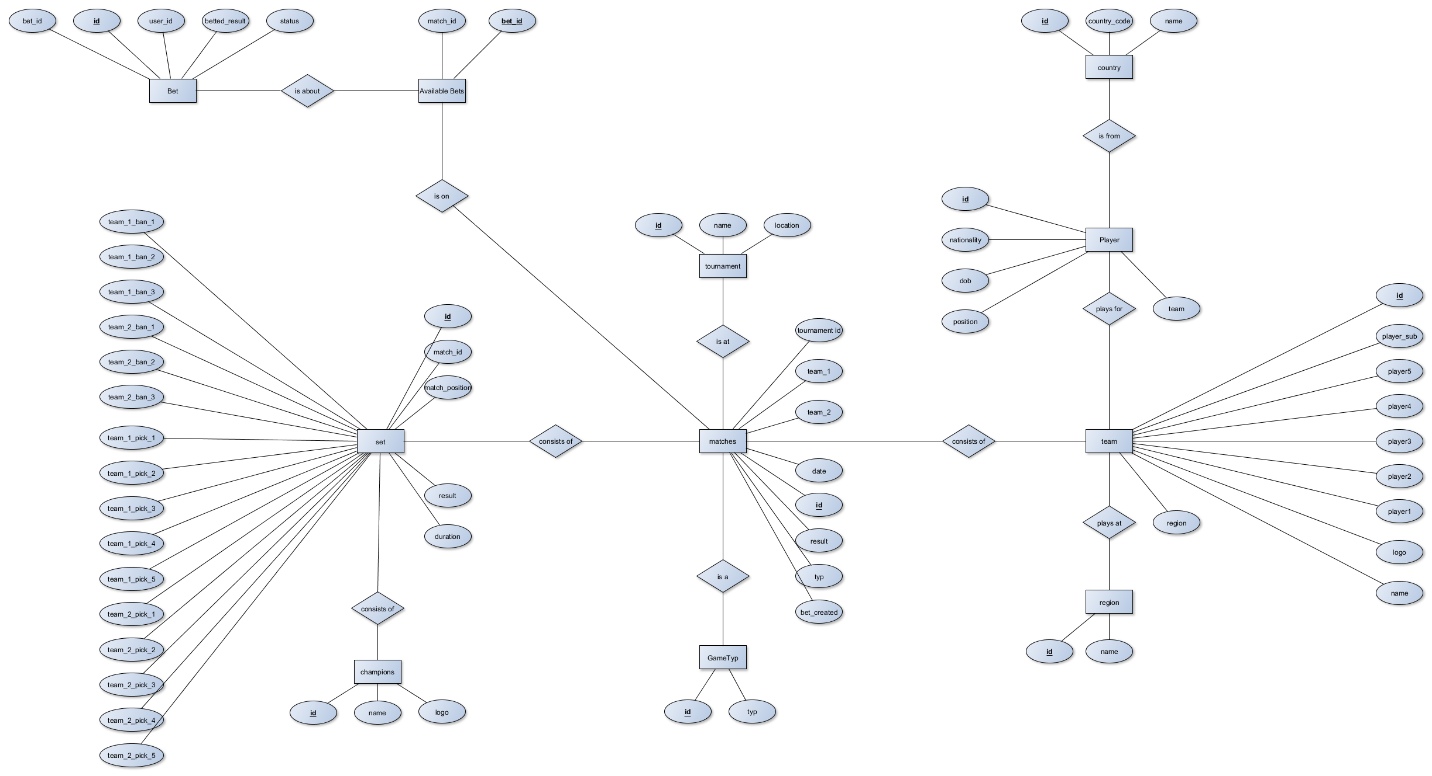
## Overview

## Layers

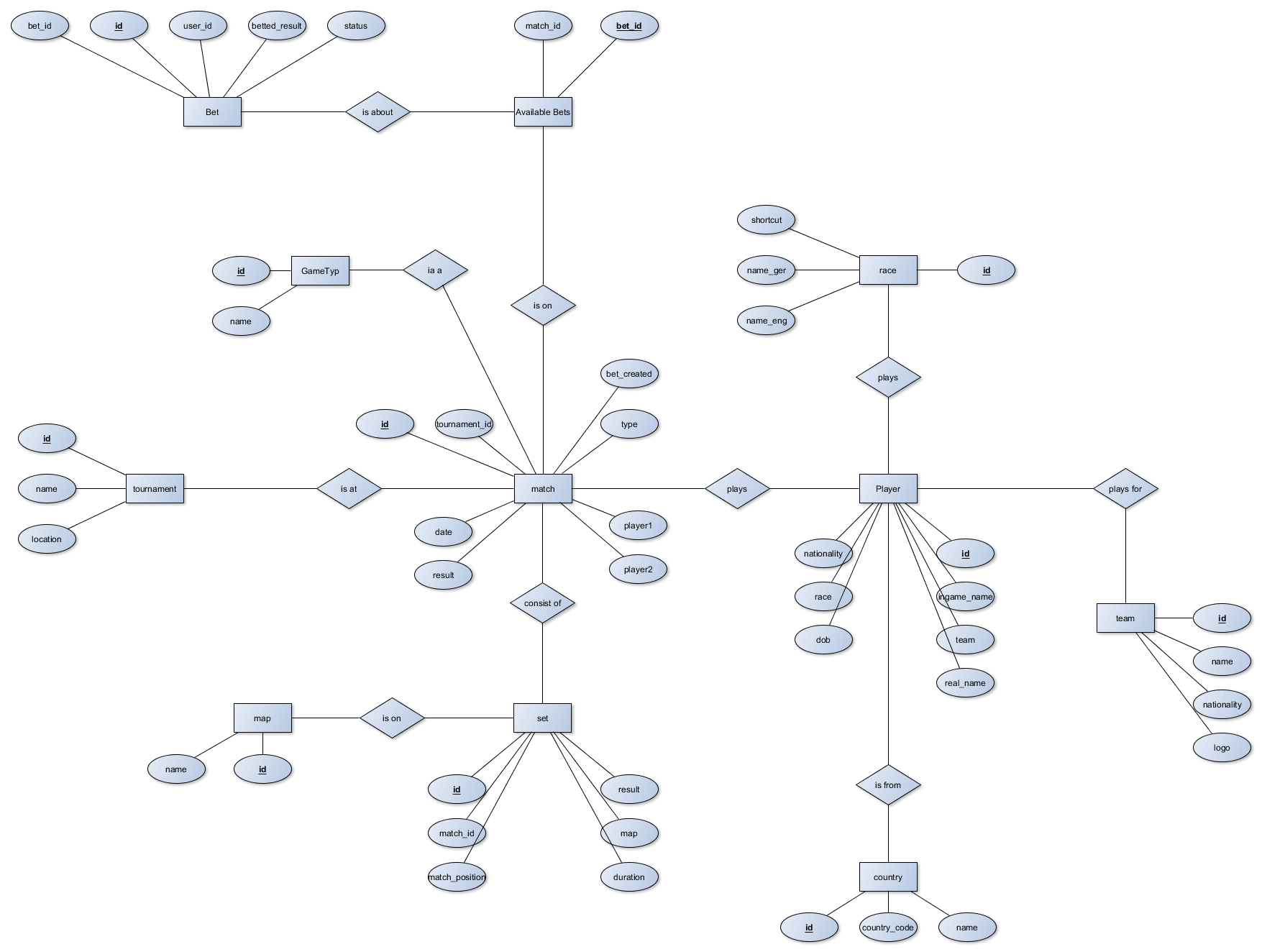
# Data View (optional)

A more detailed and better viewable ERM about our Database layout can be found on [GitHub](https://github.com/GamingBets/documents/tree/master/img/ERM).

## League of Legends Database



## StarCraft 2 Database



# Size and Performance

# Quality