



# DBgame

A Mobile Application for  
Best Players



---

Gabriele Bressan

Simone de Santis

# Goal of the Application

The main idea of the application is to have a collection of video games that contains all information about them and make it social as possible.

In fact the **DBgame** application permit:

- to bring in your pocket more or less 49.000 games taken from **TheGamesDB.net**,
- to read all news about video game world take from **GameSpot.com**
- to share with your friends your favourite games through **Facebook.com**

**To Achieve that results, DBgame make  
use of the following external services**

# TheGamesDB APIs



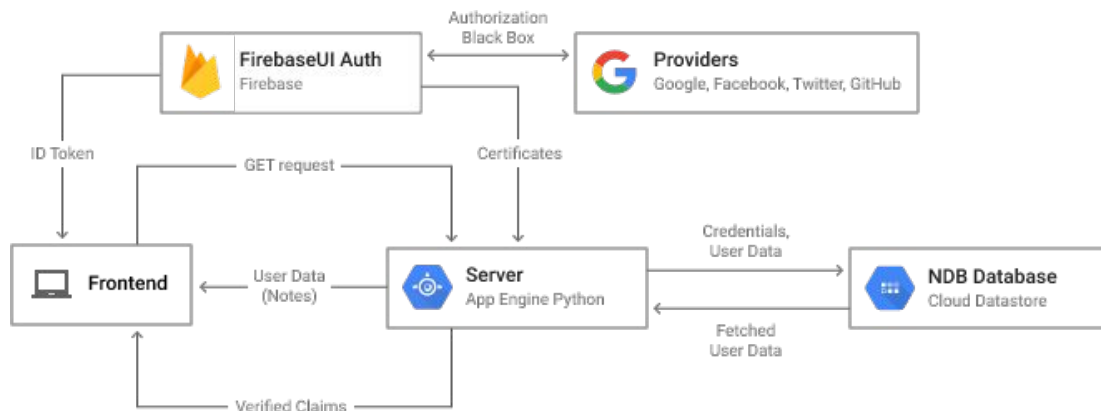
TheGamesDB.net is an open database online for video games fans which collects more or less 49.000 Games and more than 100 Console and for each of them permit to have images in high definition, description and technical information.

One of the challenges for the creation of the application was to correctly filter all the information coming from the external database necessary for our purpose

# “Authentication”

To authenticate users into the app. It supports authentication using passwords, phone numbers, popular federated identity providers like Google, Facebook and more.

- Firebase Auth
- Facebook Login



# Profile Informations



# Firebase

A cloud-hosted Database. Data is stored as JSON and synchronized in real-time to every connected client.

This let DBgame persist all personal data into a cloud hosted Database: Profile information are always available, once login is done.

- Firebase Database



# GameSpot.com



Another service included in DBgame App is **GameSpot.com**.

In fact GameSpot permit us to to retrieve the news about video game world and thanks to this external service you will be always updated in:

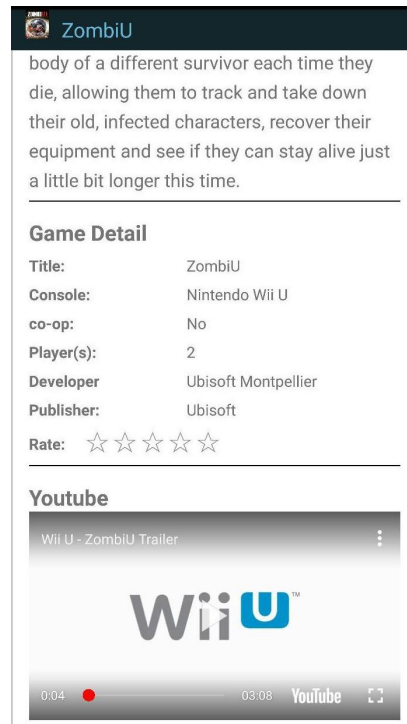
- Release date of new games
- reviews and ratings of games just released
- Image Galleries of games

# Video Contents

Watch all related **Games Video** inside DBgame app.

More than descriptions, comments, detailed information it's possible to look at related Videos.

- Youtube APIs



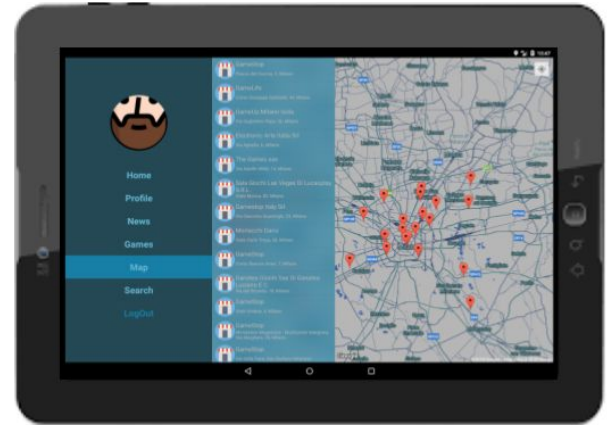


# Nearby Game Shops

Google Maps APIs power location experience, providing reliable location information about interesting shops around User position.

- Google Maps APIs
- Google Place Search

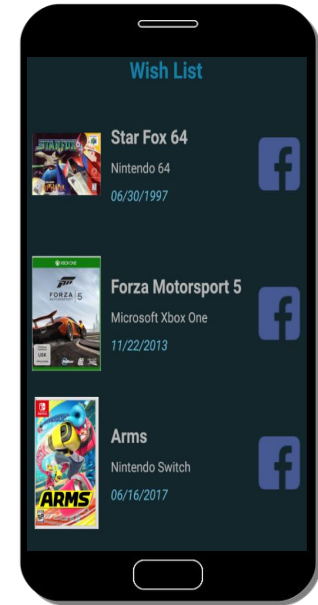
Google Maps APIs



# Facebook Share



One of the most important external service to make DBgame application more social is the possibility to share some contents with your friends and for this reason we decided to make possible to share with a post on Facebook a game that you are looking for (belonging to your wishlist)



# Summary of External Services



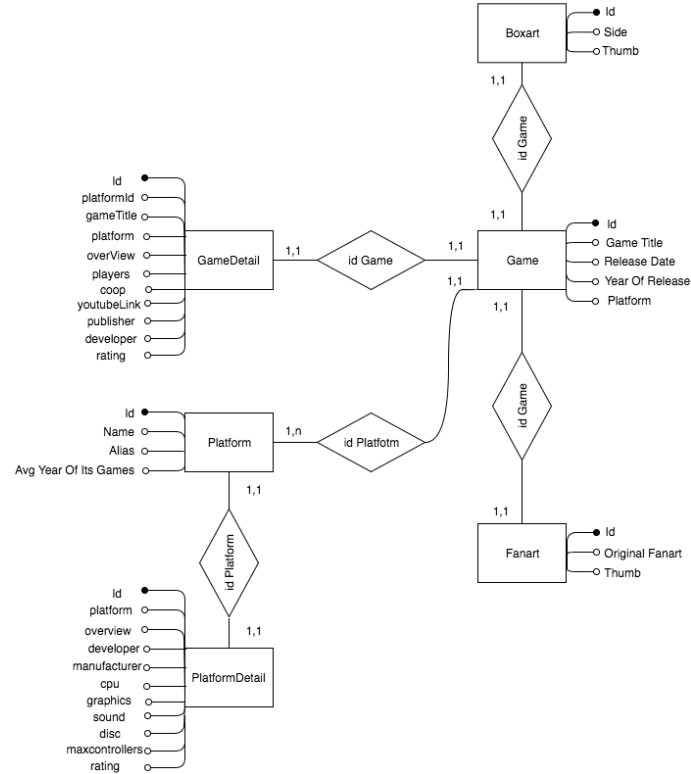
# Local Database

To store locally data, and retrieve them as fast as possible, DBgame integrate a DBFlow database, a blazing fast, powerful, and very simple ORM android database, built on SQLite.

All data are stored once APIs request receive response, in order to minimize wait further requests.



# Local Database



# Technical Details



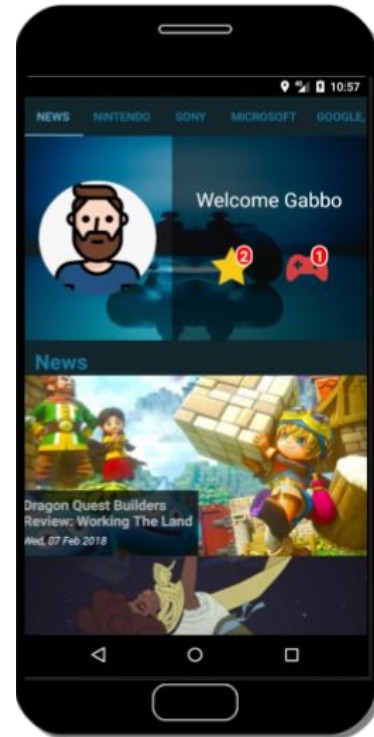
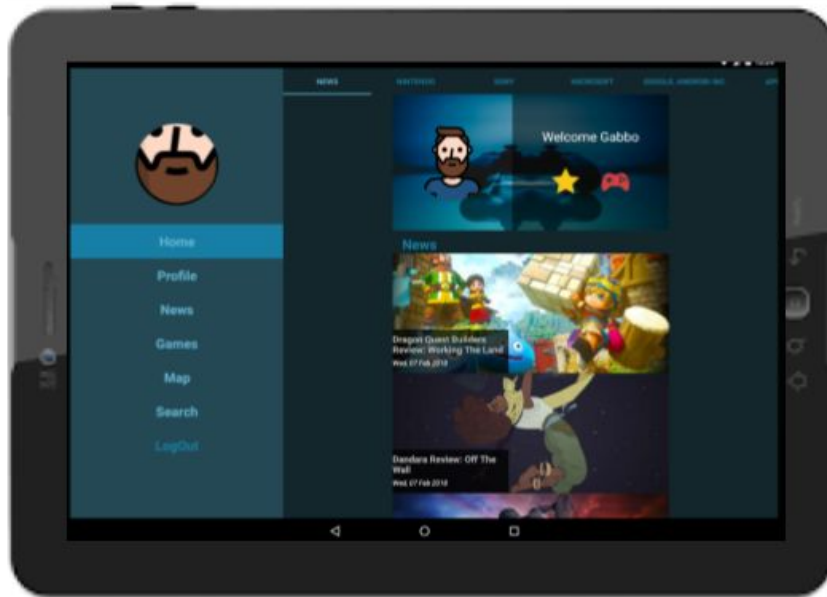
The DBgame is developed exclusively for Android OS starting from SDK equal to 21. So can support:

- API Level 21 **Lollipop**
- API Level 22 **Lollipop**
- API Level 23 **Marshmallow**
- API Level 24 **Nougat**
- API Level 25 **Nougat**
- API Level 26 **Oreo**
- API Level 27 **Oreo**

Can be also be installed both **Smartphones** and **Tablets**

Layout dynamically adapts to different screen size, to match more space and gain benefit.

# Example



Questions?





**End.**

# DBgame App

Teaching Professor: Luciano Baresi  
Students: G.Bressan, S. de Santis

---