

Bookmaking platform has its own data model. With such models as: Player, Match, Competition, Command and so on. Data importing is effected by Impex functionality. The ImpEx engine allows creating, updating, removing and exporting platform items such as customer, product or order data to and from comma-separated value (CSV) data files, both during run time and during the initialization or update process.

Main software development tool is IntelliJ IDEA. IDEA is a Java IDE and as SAP Hybris is based on Java, exactly IDEA is better for bookmaking platform. Also, IDEA have special Hybris plugin that make it easier to implement Hybris functionality.

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USE CASES OF A VIDEO-SERVICE APPLICATION

The development subject is the application for iOS platform with the of iPhone and iPad devices. It enables users to watch Live TV, Video on Demand (VOD) contend such as movies and serials, and Web Video.

There are some alternative solutions on the market. For example: Netflix, Megogo, YouTube. They all have their own advantages and disadvantages. Let's summarize this review by creating a table with the most relevant traits. They represented in table 1.

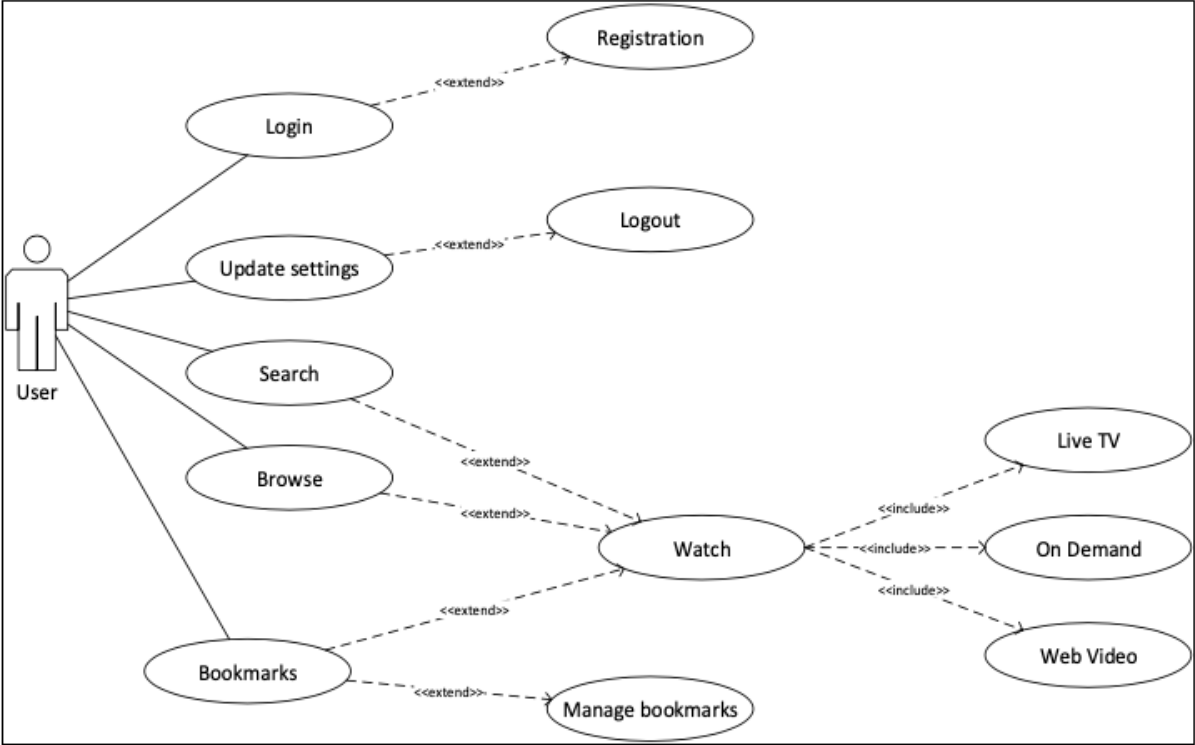
Table 1 – Media provider applications comparison

	Netflix	Megogo	YouTube	Developed project
Live TV + EPG	No	Yes	No	Yes
“On Demand” content	Yes	Yes	No	Yes
Web video	No	No	Yes	Yes
Fast-responsive application	Yes	Yes	No	Yes
Serial’s seasons grouping	Yes	No	No	Yes
Parental control	Yes	Yes	No	Yes
HIG conformance	No	Yes	Yes	Yes

As we can see, our project can satisfy all requirements.

There is only one role in the project: user. It is not mandatory for user to login to use the application, he can browse it anonymously. But to have the ability to watch content, he's got to have an account and subscription. There is a list of main use cases for user: user registration, login, logout; update user settings; search an item; browse through recommendation and selections; watch Live TV, On-Demand, Web-video; manage bookmarks.

The UML diagram of use cases is illustrated on picture 1.



Picture 1 – UML diagram of project functionality

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DEVELOPMENT OF THE VIDEO-SERVICE APPLICATION FOR TELCOM COMPANY

The main architecture concept of the project is MVVM implementing Reactive paradigm. Model–View–ViewModel (MVVM) is a software architectural pattern (picture 1).

In the project, UIKit items stand for View, VM classes stand for ViewModel and all CoreData stack, networking and business logic stands for Model.