

# Aruppi, Japan in a same place

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# \* ABSTRACT

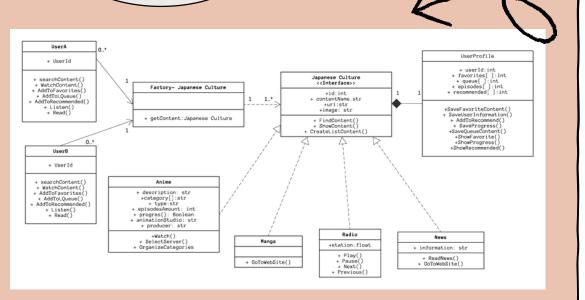
Aruppi is an application designed to serve as a comprehensive platform showcasing various aspects of Japanese culture, including anime, manga, radio, and news. It utilizes a model called Factory and employs diagrams to facilitate its construction. The motivation behind Aruppi stems from the fragmented and inaccessible nature of Japanese content consumption worldwide. Recognizing this demand and the challenges users face in accessing such content, Aruppi aims to provide a centralized space where users can easily explore and enjoy diverse facets of Japanese culture without complications.

Create an application that brings together all the Japanese culture, by means of the Factory design pattern.

### **METHODS**

We designed a class diagram based on the Factory design pattern, with four classes representing the products to be offered. In addition, the class "UserProfile" was added to diagram, related to the abstract superclass to manage the add methods.

The manga, anime and news classes are based on the concept of displaying the content, and then selecting one of them redirects the user. However, the manga class will not display content but will redirect the user to a manga website when selected.



### EXPERIMENTS & RESULTS

A database is created in SQL, phpMyAdmin based on the relationship entity diagram, where 2 types of tests are made: queries, the first in order to obtain that anime are added to the recommended table of the same user, which can be rewritten for: recommended and queue.

The second query is made on the progress table to obtain the progress in an anime associated to a user.

1 SELECT a.ContentName, p.NumberEpisodes FROM userprofile u INNER JOIN progress p ON 2 u.userId = p.userId INNER JOIN anime a ON p.id = a.id WHERE u.userId = '495407';

ContentName NumberEpisodes Dragon Ball Z Dragon Ball Z Dragon Ball Z 5 Death Note Death Note 20 Attack on Titar Death Note Death Note Attack on Titan 20

ContentName One Piece Dragon Ball Z My Hero Academia Death Note

1 SELECT a.ContentName FROM userprofile u INNER JOIN recommended r ON 2 u.userId = r.userId INNER JOIN anime a ON r.id = a.id WHERE u.userId = '782996';

### **CONCLUSIONS**

Factory is the model with which it is possible to give a solution to the raised problem. Since, it is a pattern to create objects from a superclass, that allows its subclasses to alter the type of object that will be created.



# **BIBLIOGRAPHY**

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