



# ARUPPI

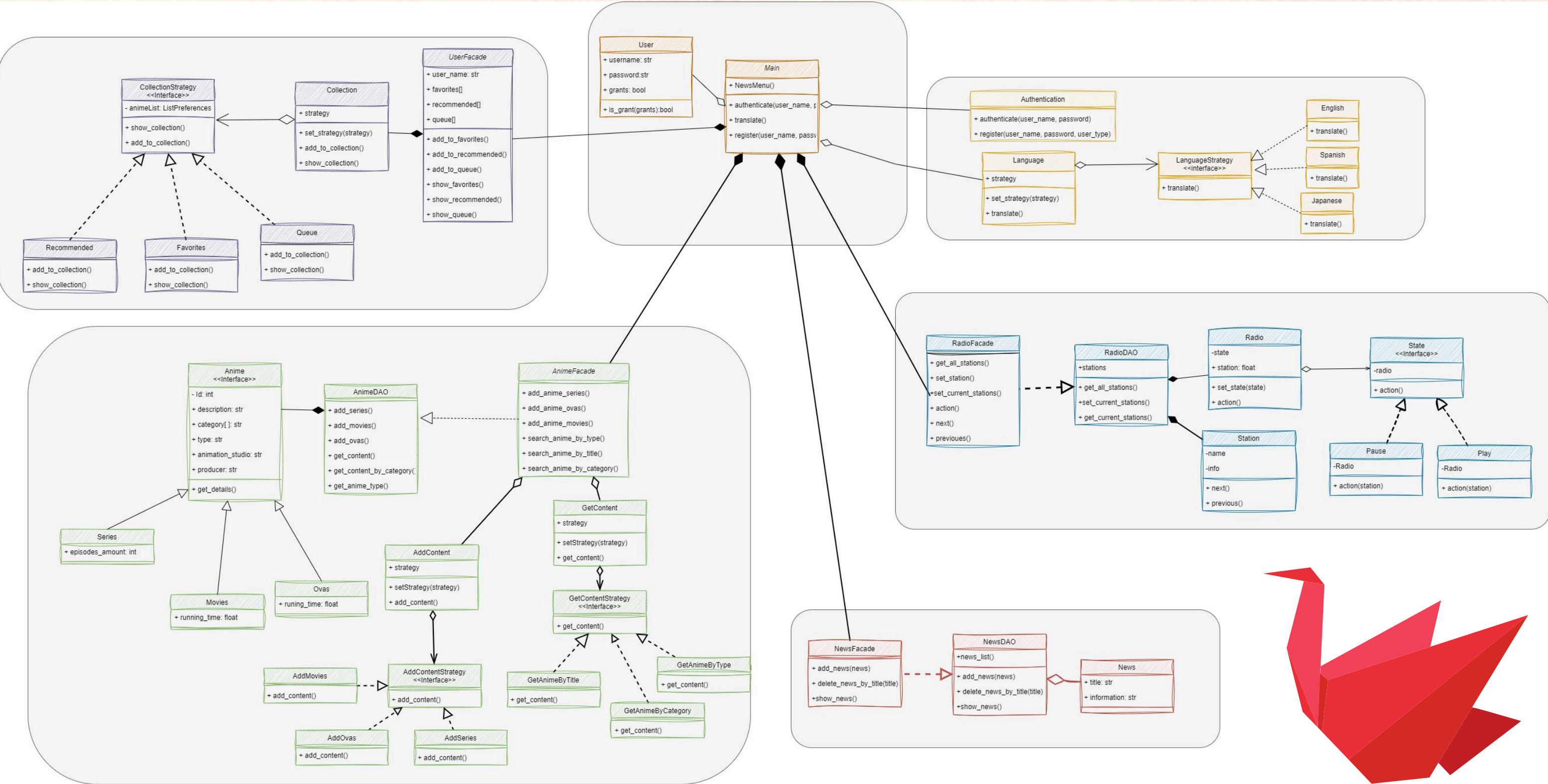
ALL JAPAN IN A SAME PLACE

## WHAT IS IT?

Aruppi is an application designed to serve as a comprehensive platform for Japanese culture enthusiasts, providing access to diverse content including anime, news, and music. It aims to bridge the gap between users and Japanese culture by offering a centralized hub for exploring and engaging with various aspects of Japanese entertainment and information.

## OBJECTIVE

Create a user-friendly and feature-rich platform that offers convenient access to a wide range of Japanese cultural content. By consolidating anime, news, and music into a single application, Aruppi seeks to provide users with an immersive experience that reflects the richness and diversity of Japanese culture. Additionally, the project aims to implement rigorous planning and documentation processes, leveraging design patterns and modern technologies to ensure efficient development and robust functionality.



## METHODS

Aruppi employs a combination of modern technologies, design patterns, and development methodologies. The project utilizes the FastAPI web framework to build efficient RESTful APIs, facilitating seamless interaction with users and external systems. Design patterns such as the factory, state, strategy, and facade are implemented to address architectural challenges and promote code modularity. Rigorous planning and documentation processes guide the development process, ensuring clarity and consistency in project implementation.

## RESULTS

The implementation of Aruppi's backend yields several key outcomes. The project successfully develops and deploys a set of RESTful APIs using FastAPI, enabling users to access and interact with anime, news, and music content. Design patterns are effectively utilized to enhance the application's structure and functionality, contributing to improved maintainability and scalability. Additionally, the project generates test data using the Faker library and conducts automated testing with PyTest to validate the correctness and reliability of the APIs.

## CONCLUSIONS

the implementation of Aruppi showcases the importance of design patterns, efficient web service deployment, and adherence to software development best practices. By embracing these principles, Aruppi not only offers a rich cultural experience but also exemplifies the benefits of collaborative development and robust software engineering methodologies.



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