

THE APPLICATION:

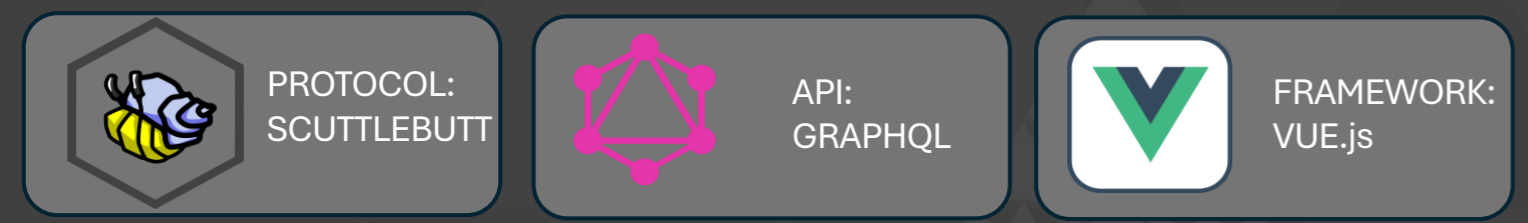
Āhau is a Whānau Data Platform that can be used by communities (whānau, hapū, Iwi) to capture, preserve, and share important information and histories into secure, whānau managed databases and servers. The application is free and open source. The decentralized data model means that the users keep control over their data.

THE TECHNOLOGY:

Āhau uses the scuttlebutt protocol for enabling its decentralized data structure and peer-to-peer connection data sharing model. Data such as photos, videos, audio and documents are called artefacts. These artefacts are stored locally.

The artefacts which can be Audio, Photo & Video will take advantage of access protocols. These access protocols will make sure that the artefacts are shared within the tribes and intended Whānau .

Āhau makes use of Vue.js framework. Vue is an flexible framework capable of creating reactive application. The framework can be used to code in such a way that the application is reactive and dynamic. The code of the application is structured in such a way that the various elements and functions application can be reused quite easily.



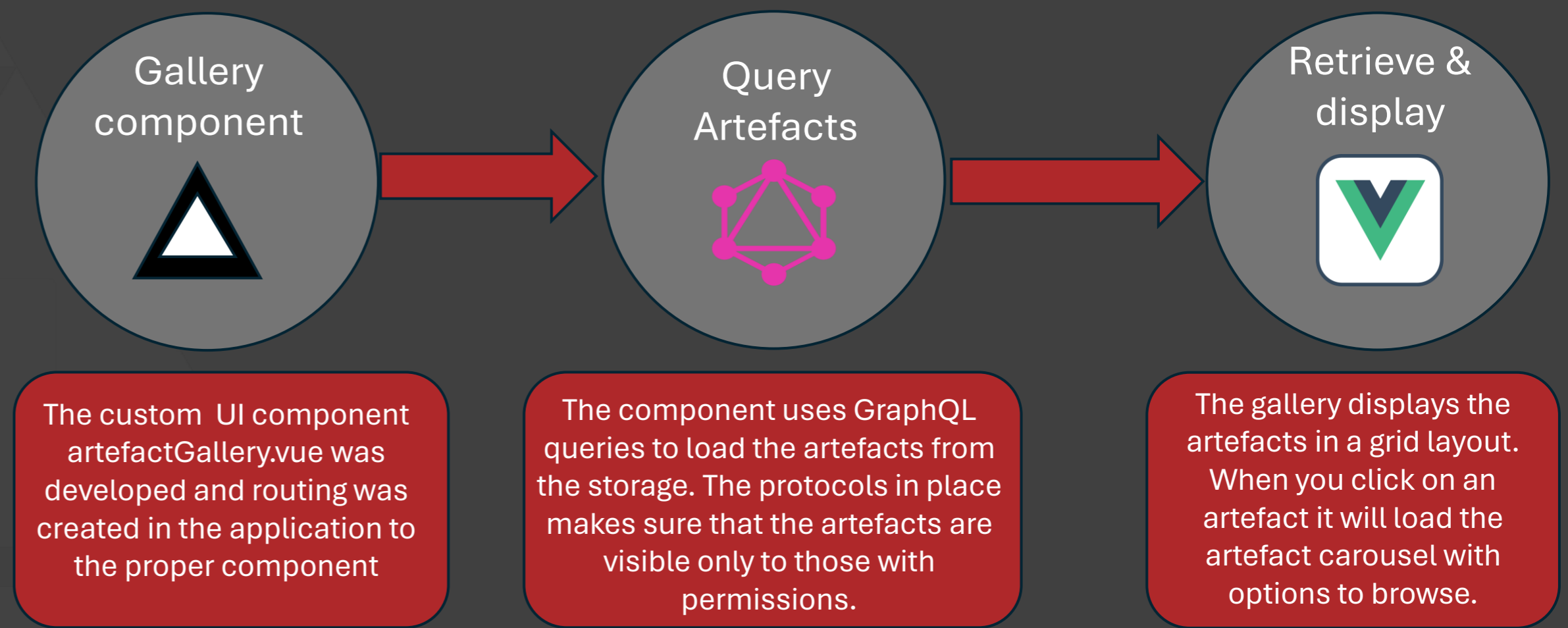
Āhau's application infrastructure is unique. The user has unparalleled sovereignty over their data with the ability to seamlessly upload it to an online Whānau database with encryption and special key fortification

THE OBJECTIVE:

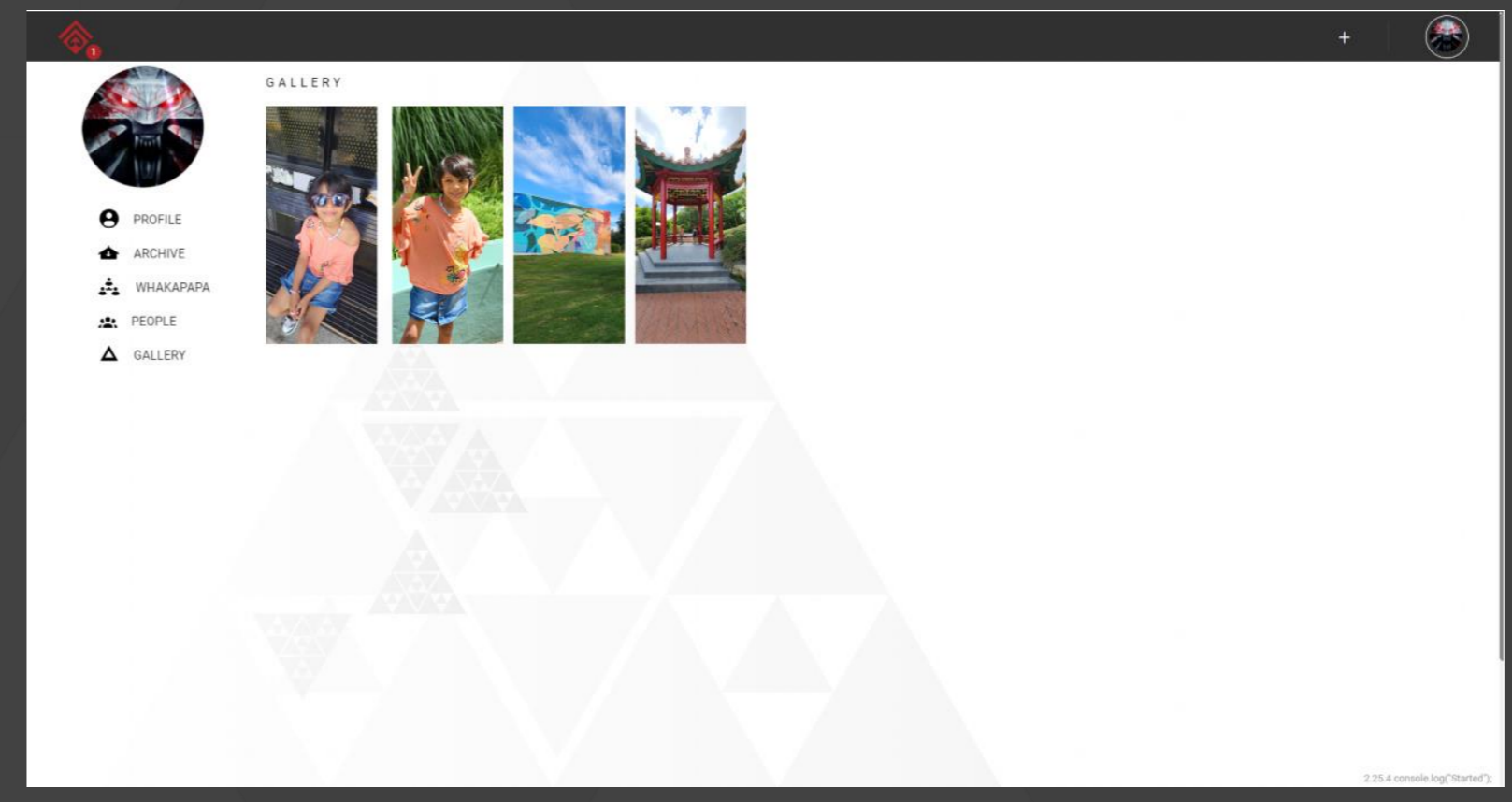
The objective of the project was to create a gallery for the application. The gallery would display all the artefacts that are saved by the user and the connected family.

THE METHODOLOGY:

The logic and process flow for the gallery is as follows:



THE RESULT:



The result of the gallery integrated into the app is shown on the right. The flexibility of Vue.js streamlines further component integration, promising a dynamic and expandable gallery experience

ACKNOWLEDGMENTS:

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