

# Friends of Pātaka



## Project historical background and objective

**Project name:** Friends of Pātaka

**Project Advisor:** Sue Scott **Project Coordinator:** Scott Morton

**Historical background:** Pātaka is a globally renowned art museum. The client for this project is Sue Mortlock on behalf of the Friends of Pātaka community volunteer group. The group organises large events such as art awards. They are currently using paper-based membership and event registration forms.

**Objective:** The goal of the project was to build a suitable and user-friendly Content Management System (CMS). Friends of Pātaka has the need to store important documents and photos in a central, accessible location. Additionally, the client needs an online communications medium where anyone can join as a member and register for events. The client also requires permissions to be implemented to prevent unauthorized access to sensitive material.

## Semester 1, 2020

### The student project team

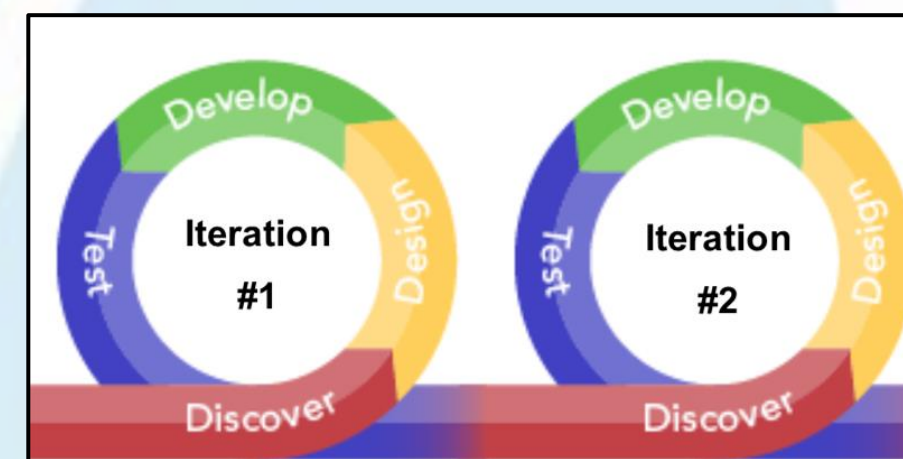
The Friends of Pātaka project team was established after a careful examination of the skills each individual had. This project team cooperated well and successfully brought together many skills from a broad range of areas.

#### Project team members:

Andrew Russell

Jack Walter

Savelina Tautua'a



Agile iterations used  
Image retrieved from www.thinkinc.com



Files were grouped and classified  
Image retrieved from www.abbyy.technology



Image retrieved from www.govt.lc



Image retrieved from linkedin.com

## Project methodology and technologies used

**Scrumban**, an Agile development methodology was used for this project. We used two iterations, each with their own life cycle.

Technology	Description
WordPress and Plugins	Wordpress was the most appropriate CMS software to develop the prototype in because of its flexibility and extensibility. We installed third party plugins to provide additional functionality for an events calendar, user roles, forms, and file storage
Google Drive	Online tool to allow the project team to collaborate, share and simultaneously edit project documentation
Basecamp	Online tool enabling the sharing of documentation for the team
Zoom	Virtual meeting software used during the COVID-19 pandemic

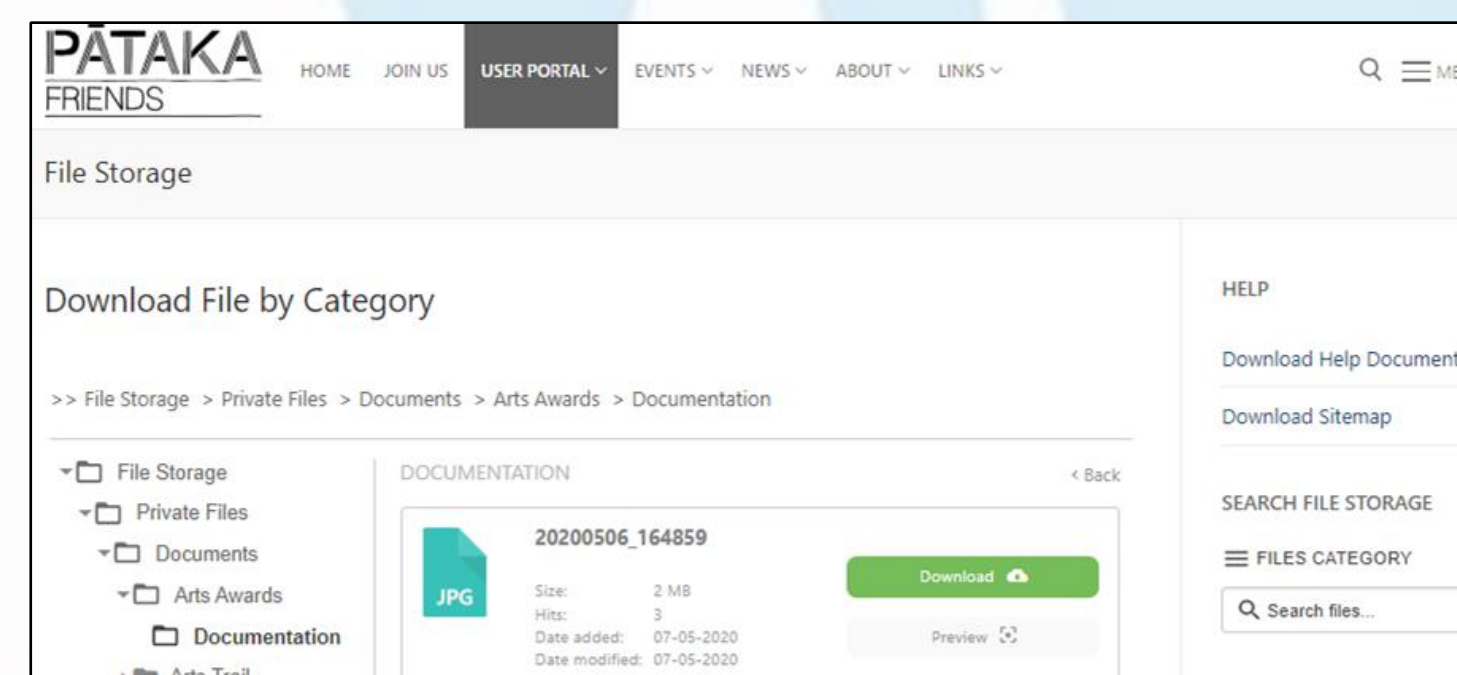
## Project outcomes

### Scope of the Project:

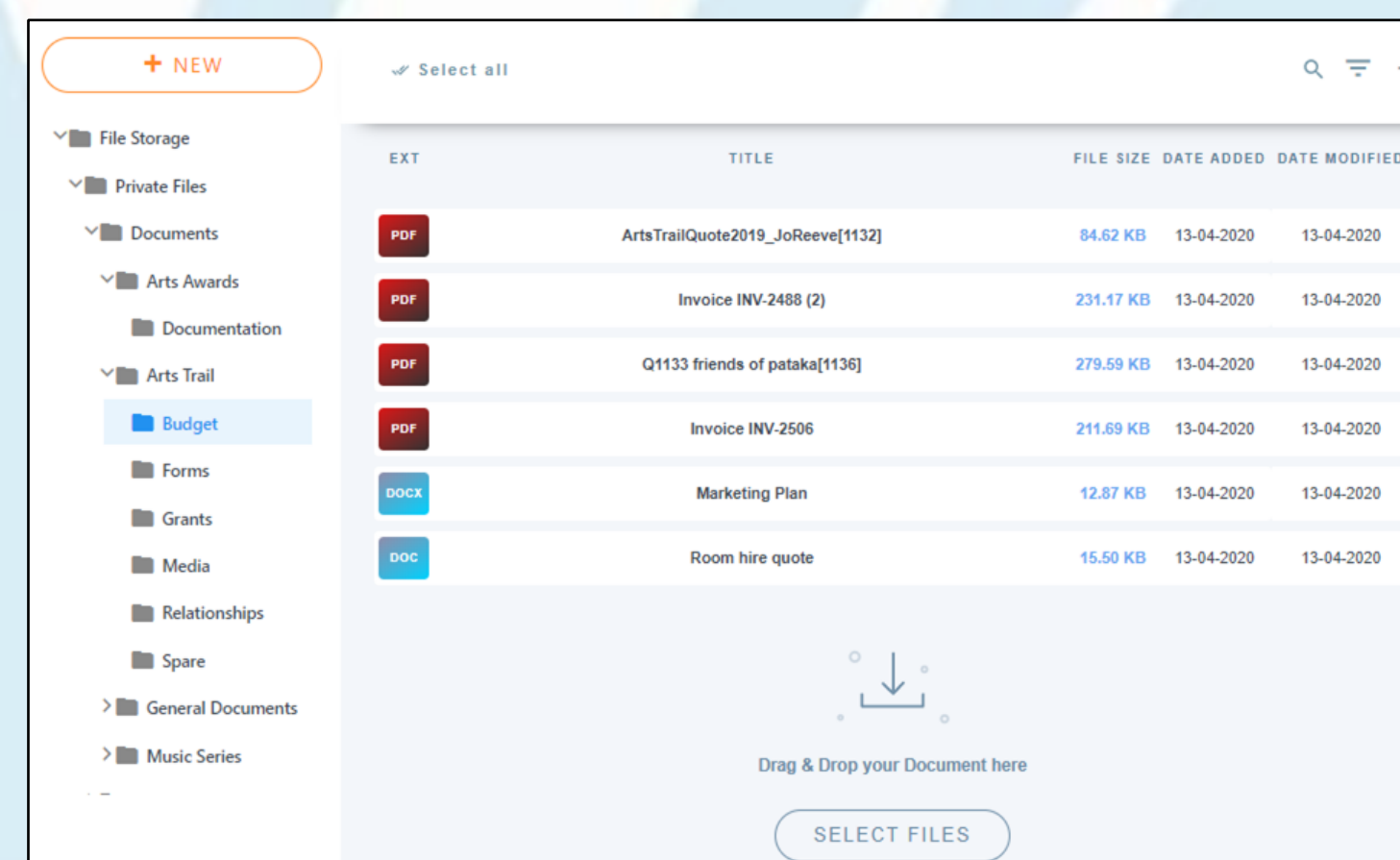
- Build a user-friendly CMS that meets the requirements of the client and to set a foundation for future projects to build upon
- Create wireframes and sitemaps
- Create multiple CMS prototypes
- Create a detailed requirements analysis and user story document
- Complete product testing documentation

### Project Highlights:

- Project team utilised a client-focused and user-centred approach
- Gathered and analysed requirements
- Helped the client brainstorm and categorise documents
- Managed to work remotely during the COVID-19 lockdown
- Functional iterative prototypes were built in Wordpress
- Researched and installed appropriate Wordpress plugins
- Designed and executed triangulated test plans



CMS Front-end: Download File by Category area



CMS Back-end: File Storage Admin area

## Level of completeness of the project

All iterations agreed in the Project Proposal were completed on time and in line with the client's requirements.

Background image retrieved from www.bamboomanchester.uk

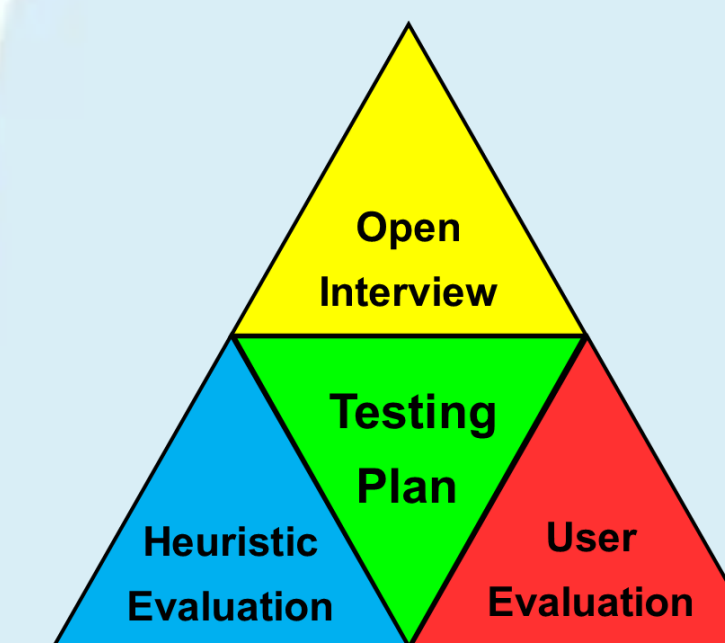
## Technical difficulties and solutions

**Issue #1:** Initially the client had a general idea of what they wanted but no specific requirements.

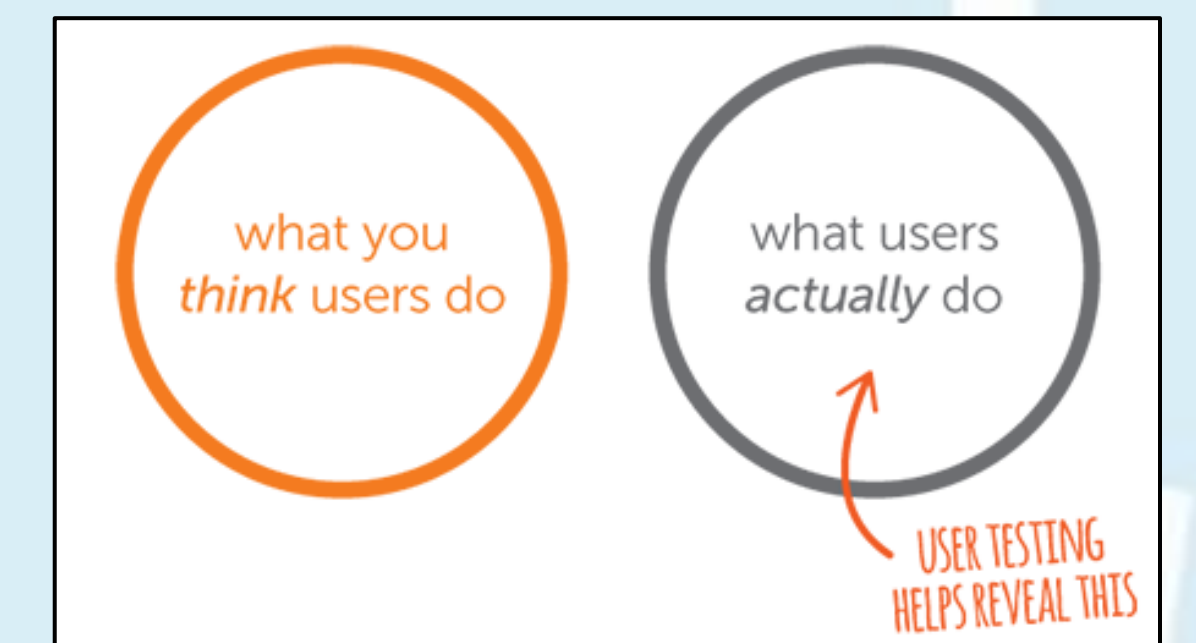
**Solution #1:** We communicated the possibilities of the CMS to the client and worked with them to gather and analyse requirements, as well as identify and categorise the types of documents to be managed.

**Issue #2:** Whitireia campus closed on Monday 23/03/20 and the entire New Zealand went into lockdown due to the COVID-19 pandemic.

**Solution #2:** The team continued completing the project from home using OpenVPN to connect to the School of IT Network as well as Zoom and email for communication. The project was still completed despite these limitations.



Our triangulated testing plan



The importance of user testing  
Image retrieved from www.somar.co.nz

## User feedback of the final artefact

The final artefact of this project was the second prototype CMS. The project team solicited and documented user feedback in the form of an open interview and a user evaluation. Miscellaneous user feedback was also received via email. The overall feedback from the users was overwhelmingly positive. They believed both the front-end and back-end of the CMS were "dynamic, vibrant, enjoyable to use, easy to understand and navigate".

## Recommendations for future development

The next project team should focus on security, design and further testing. The website must be secured with HTTPS and SSL encryption before it is made publicly accessible. More graphical elements could be added to the design. E.g. the addition of icons for menu items and folders.

Further testing could involve deeper usability testing as well as testing of the translation plugin's accuracy. For the Māori language translation, consultation should be held with local iwi and the translation must adhere to the 3 principles of the Treaty of Waitangi. These principles are partnership, participation and protection.

Additionally, the Mailchimp and Xero integrations with the CMS could be expanded upon and improved. Furthermore, the system could be linked to the client's existing membership database. Finally, a new section of the CMS could be created, which is accessible to Friends of Pātaka members only, separate from the committee area, where members can download the AGM and financial reports and access member only events.