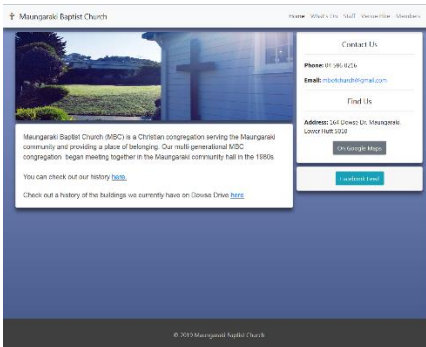


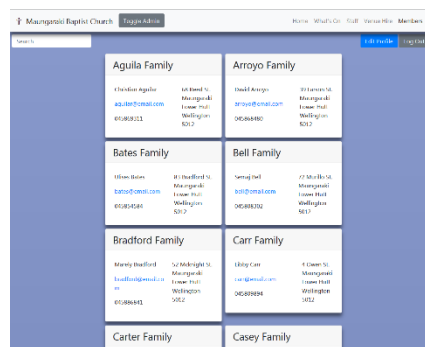
By: Yinan Wang; Thomas Williams

Advisor: Dax Roberts

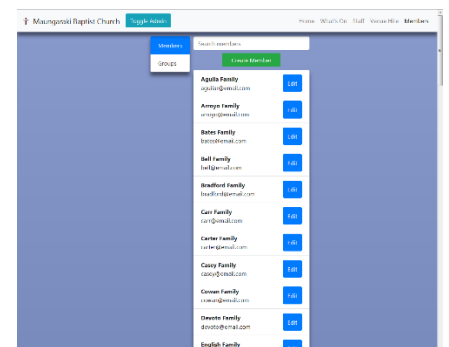
Client: Maungaraki Baptist Church



Home page



Members page



Members page (Admin view)

INTRODUCTION

The purpose of this project was to create a website for Maungaraki Baptist Church which fulfilled the needs for a point of public contact with the local community, and a database for managing members, groups, events, email, and venue hire.

The team entered the project with the intention of creating a website that reflected Maungaraki Baptist Church's friendly, active, and capable image to any online visitors.

DEVELOPMENT

The project began with some coordination among the project team over what the broad layout of the website would be; its pages, features, and back-end set up.

Thomas specialised on the front-end: the website pages, their design, layout, and user interactivity.

Yinan focussed on the back-end: server configuration, data interfaces, and database design.

The practical side of the project started with design, which quickly transitioned to development as the client confirmed their satisfaction with the proposed structure and visual design.

The project was managed with Kanban, a lean and straightforward project management methodology, using OpenProject, a somewhat troublesome web-based project management

system to digitise it, and maintain and allocate work packages.

The layout of the website was developed with Bootstrap, a very helpful HTML, CSS, and Javascript framework for building modern, responsive, mobile-first webpages.

The website backend was programmed in Node.js, which allowed the team to use their Javascript programming expertise on the server-side as well as for scripting the webpages.

In the end, the project provided Maungaraki Baptist Church with a satisfying product. A website with a home page for introductory information, a What's On page presenting notices and all the events that Maungaraki Baptist Church has upcoming, a Staff page giving the user an introduction to Maungaraki Baptist Church's current leaders, a Venue Hire page containing a Google Calendar that indicates when the church building is available for event hire, and a Members page which requires a login, where church members can access a church directory, and administrators can manage members and their groups. These pages each have a corresponding admin page which can be used to update and maintain content.

CONCLUSION

Through highs and lows, the project proved to be challenging, but provided plenty of new web development experience to the team, as well as creating the satisfaction of having given a much-needed customized website to a community pillar at no expense.