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05.05.17

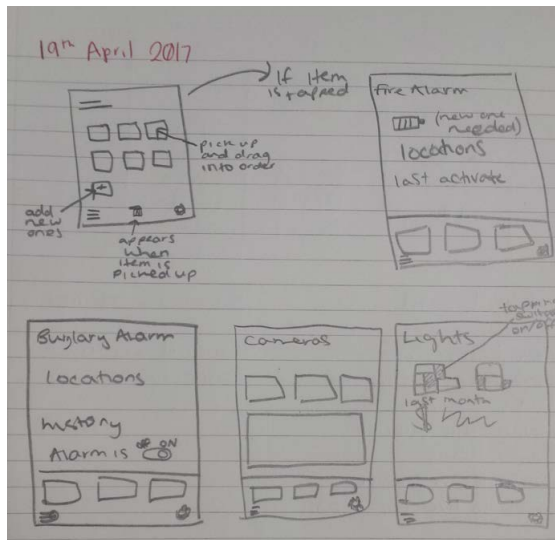
Introduction

“Home Health and Security”

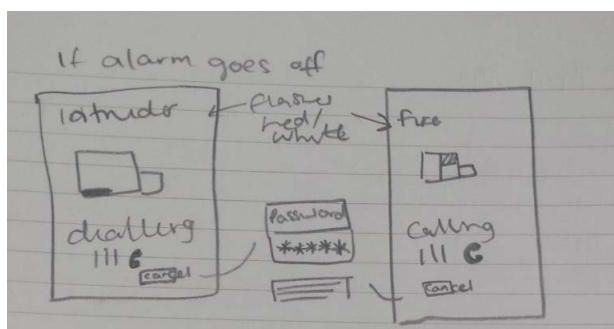
The Home Health and Security assignment brief was to create a web app accessed via a wall mounted tablet and/or smart TV and mobile phone. Mine is applicable at iPad Pro size and at a width of 1600px. I used the company “Matrix” as my client and therefore their colour scheme. The house control options available are fire alarm settings, burglar alarm settings, lights, blind control, audio and television control, controlling the heating and wifi, paying the bills, access to home CCTV and then the settings. When needed, there is a floor plan of the house so that the lights for example can be turned off or on via either the floor plan or the switches.

My survey results came back that lots of people wanted different things, and it was therefore hard to create something that would suit everyone specifically. As a result I decided to make something that could be personalised, so they can decide what they’d like and get rid of the things that are useless to them.

Initial Sketches and Survey



From the beginning I wanted to do something with a floor plan, seen in the sketches in the second image, I think it's easier to recognise which room is being referenced when you can see it yourself. I was going for simplicity in design with no extras, a few words per page and the rest visual, using as few pages as possible as there was already quite a lot of options, I decided to go with pop-ups rather than separate pages.



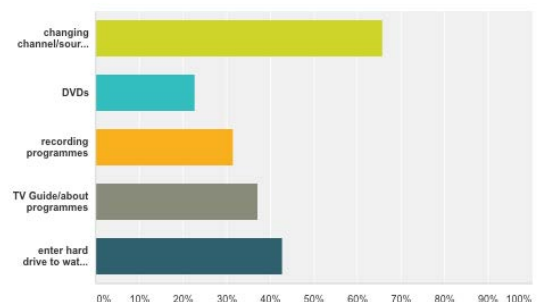
	1	2	3	4	5	6	7	Total
wifi settings	30.56% 11	22.22% 8	11.11% 4	2.78% 1	8.33% 3	11.11% 4	13.89% 5	36
fire alarm settings	11.76% 4	14.71% 5	20.59% 7	5.88% 2	5.88% 2	17.65% 6	23.53% 8	34
security settings	22.86% 8	14.29% 5	17.14% 6	8.57% 3	25.71% 9	5.71% 2	5.71% 2	35
turning lights on/off	22.22% 8	27.78% 10	13.89% 5	13.89% 5	2.78% 1	11.11% 4	8.33% 3	36
putting blinds up/down	11.11% 4	16.67% 6	22.22% 8	8.33% 3	5.56% 2	22.22% 8	13.89% 5	36
bill options	20.00% 7	11.43% 4	14.29% 5	17.14% 6	14.29% 5	8.57% 3	14.29% 5	35
audio/video devices	41.67% 15	13.89% 5	11.11% 4	8.33% 3	11.11% 4	11.11% 4	2.78% 1	36

Here are three of the defining results from the survey, showing a huge variance in what people look for in home health and security. It was at this point I decided to make all the options suggested as oppose to focussing on a few and allow for the user to personalise their app. Also the TV Control question made me want to make something that would really help users have full control of the TV without the remote.

Q3 Customize Export

In regards to controlling your TV, what is important?

Answered: 35 Skipped: 2

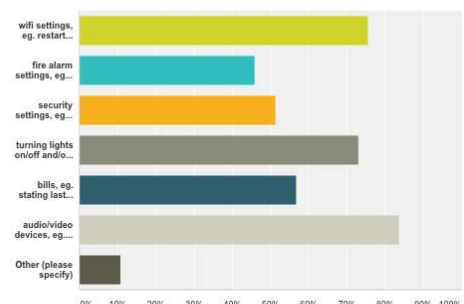


Answer Choices	Responses
changing channel/source change	65.71% 23
DVDs	22.86% 8
recording programmes	31.43% 11
TV Guide/about programmes	37.14% 13
enter hard drive to watch recorded programmes	42.86% 15
Total Respondents: 35	

Q5 Customize Export

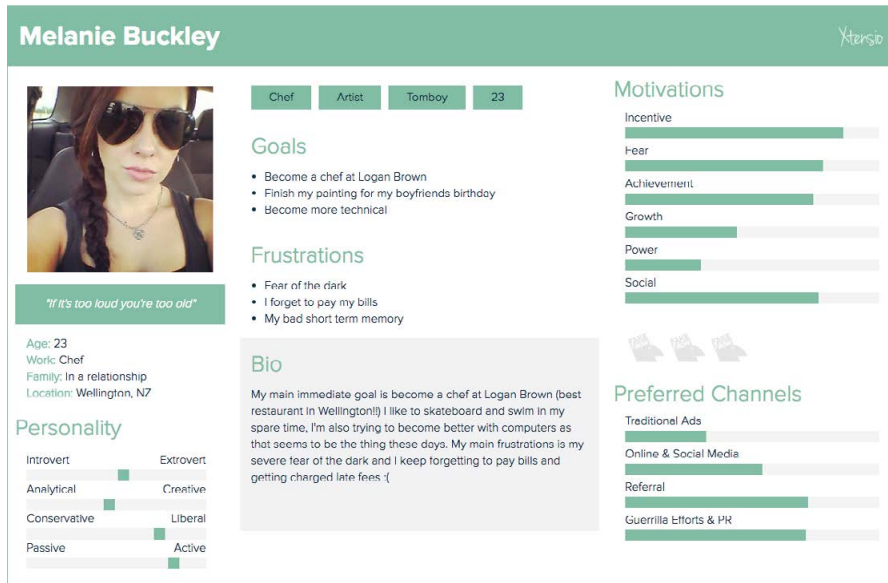
All from one tablet, what would be useful for you to control around your home? (select all that apply)

Answered: 37 Skipped: 0

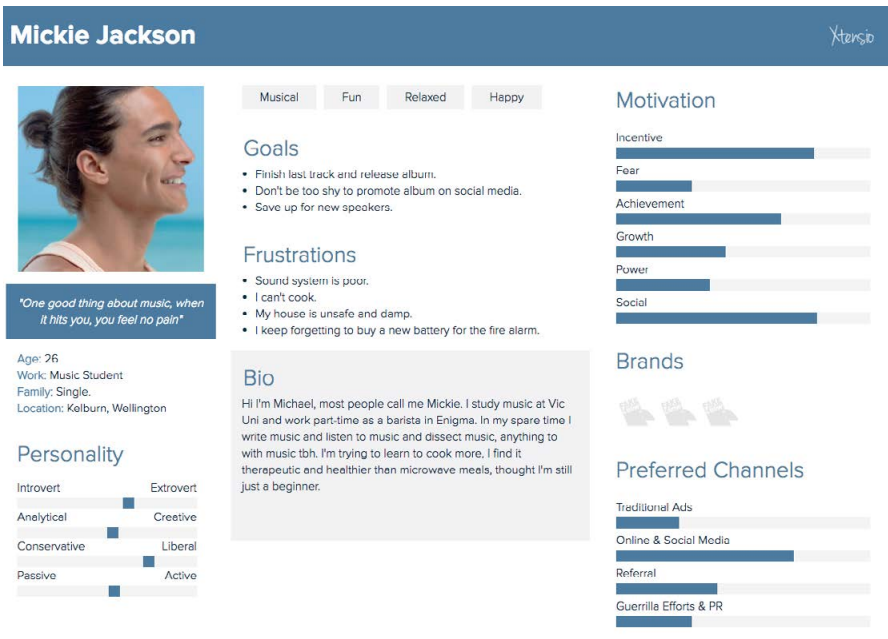


Answer Choices	Responses
wifi settings, eg. restart modem, change wifi password, wifi on/off	75.68% 28
fire alarm settings, eg. battery life, last activated	45.95% 17
security settings, eg. camera footage/location, burglar alarm	51.35% 19
turning lights on/off and/or putting blinds up/down	72.97% 27
bills, eg. stating last months power bill, allowing you to pay bills at click of a button	56.76% 21
audio/video devices, eg. sounds system, channel surfing etc	83.78% 31
Other (please specify)	10.81% 4
Total Respondents: 37	

Personas

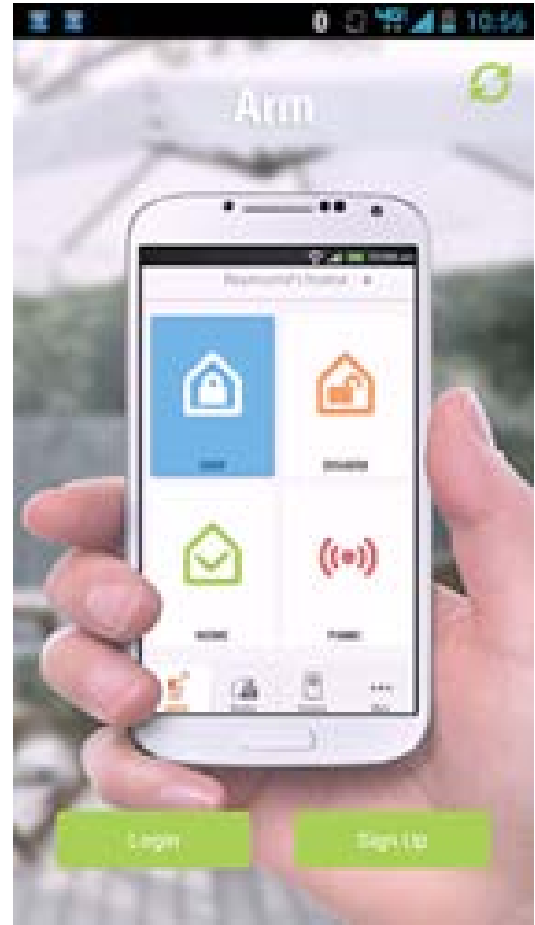
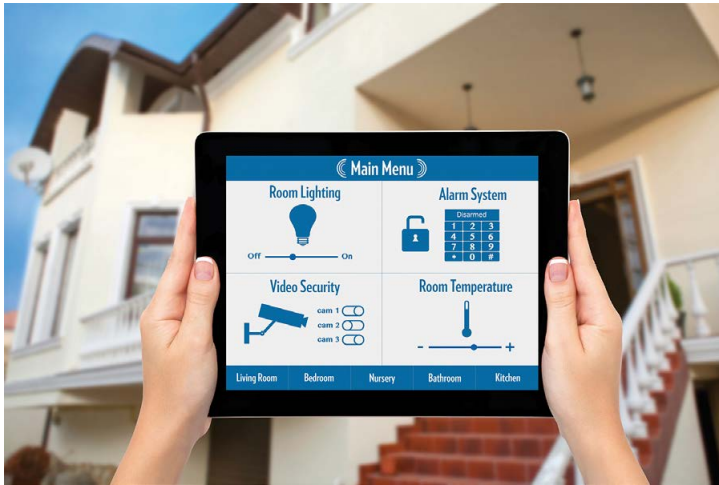


I made Melanie Buckley, who is a chef, afraid of the dark and regularly forgets to pay her bills. She is trying to be more technical as she currently struggles with technology, so is looking for simple ways to improve her skills.



Mickie Jackson loves music and is saving up for a sound system and an easy way of controlling it, he's trying to learn how to cook but keeps forgetting to buy new batteries for his smoke alarm.

Research



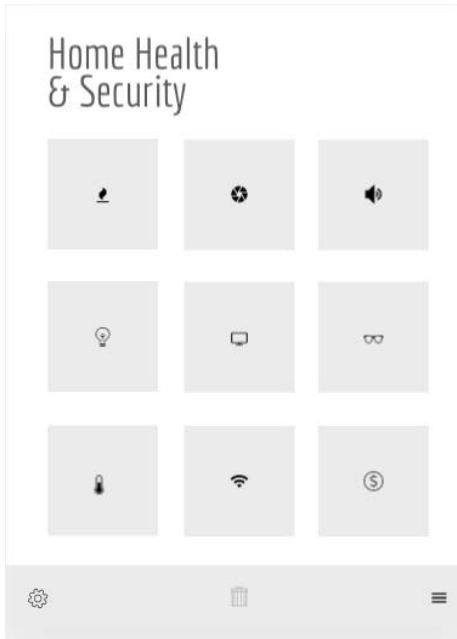
Other apps -

Monotone
Simple
SVG's/Images
Buttons
Switches

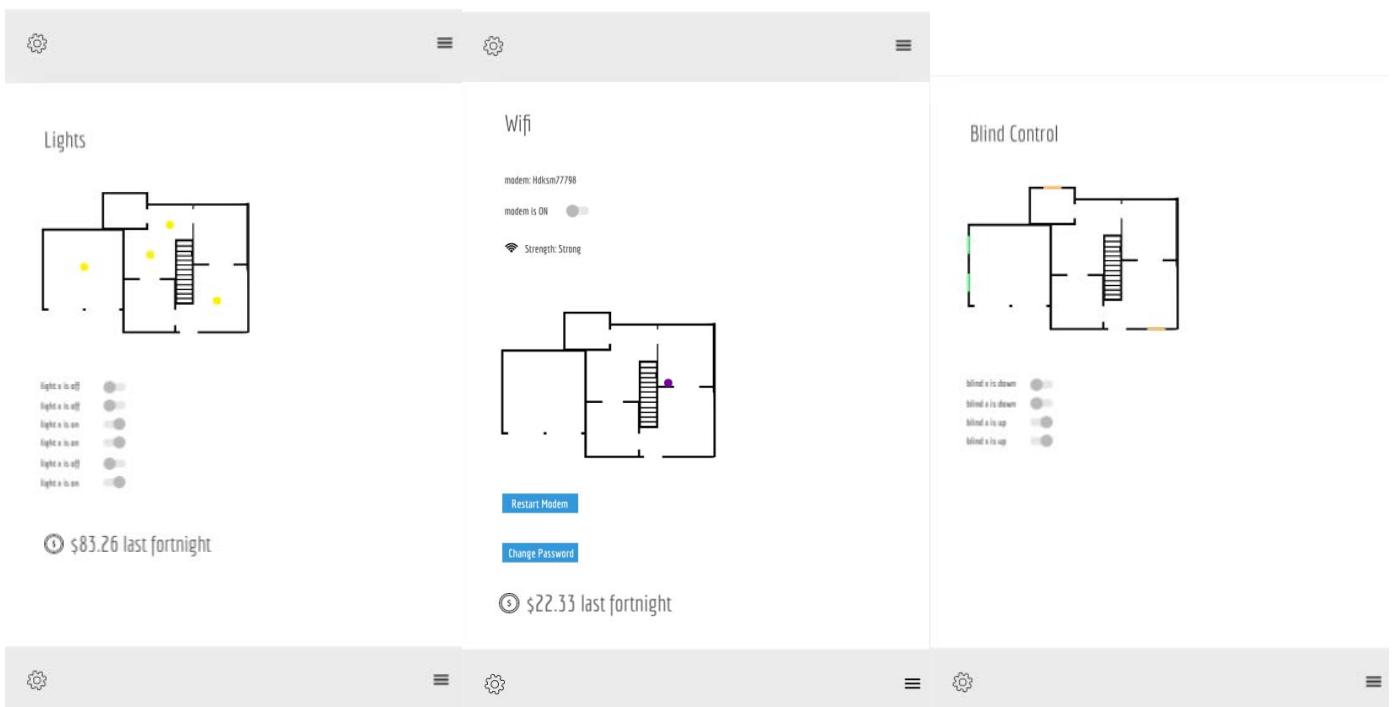
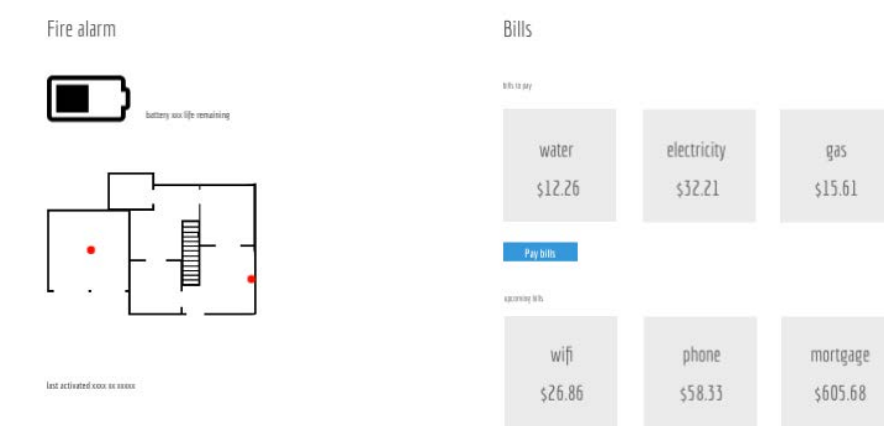
When I was looking at other apps that I wanted to create, there were only a few colours shown, lots of images compared to writing. Simple design and simple to follow, as in just looking at it you understand what it does.

I wanted to make something that also used images and that you could look at without using previously and understand how it works.

UX Pin



I thought the most simple way to display many options was by using squares, implementing a visual element with SVG's. Here I pick this floor plan and decide on using dots and switches over the top so the user can pick between either to control their house. At this stage the design wasn't completed and is pretty much greyscale, the boxes, nav bar, buttons and switches were planned to be a consistent colour, that wasn't grey. I got into the coding after a few days, if I were doing it again, I would probably sort out more design, as oppose to just layout and concept.



Client and Copyright Laws

Matrix Security are a security company that focus a lot on health and safety. They provide residential and commercial security, including “24 hour alarm monitoring”, “on-site guarding”, and what I focussed on “technology solutions”. They have a logo with these green blocks and a green honeycomb theme, both of which I incorporated. I found their website a bit on the green side so I used the colour scheme a bit more subtly.



The honeycomb I used on my website is a bit more multi-coloured than just green with a few more different shades, as well as this I faded it out early so it would be more subtle than Matrix’s design and less overpowering.

For the logo design I used a thinner font that suggested the company wasn’t just about security but also the health part of the statement. To assimilate it to Matrix I use their green blocks, deciding the final design on the bottom logo.

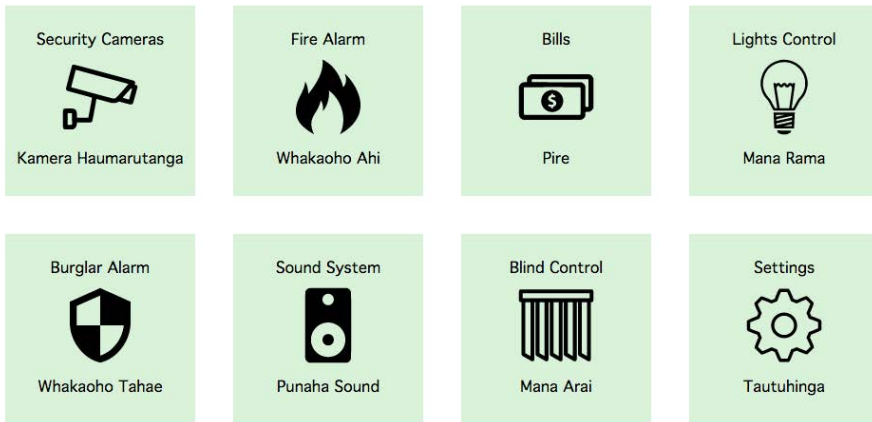


Home Health
& Security
hauora te kāinga me te haumaru

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Visual Design Principles



My chosen clients home page is very green, so at first I made my site also quite green, I found it a little overpowering, I prefer more subtle colours with black and white which also went with my research. I decided to change to a very light grey square with just a green border. I did the same to my nav-bar, and liked the results a lot more.



Yoobee Best Practices

Yoobee design and coding practises have been followed best I can, I could have put my CSS in multiple folders, as it's currently very long, although it makes sense to me it is harder for others to understand, so I used comments for each section. I also had some advice at the end of my project it would be better to have a css and js file for each html page, that would have also helped with js errors I was getting. Js is very new to me so I needed a bit of help with that, the errors were occuring on pages that I hadn't called a function, eg. my popups were only on certain pages but in the main js file, all pages needed js for the hamburger menu, on the pages without a popup, I didn't call the function and was returned with an error. I found out to counter this you had to write if {} before the function.

Treaty of Waitangi

The three main aspects of the Treaty of Waitangi are ‘partnership’, ‘protection’ and ‘participation.’

partnership - website must be easy for both Maori and non Maori to access and understand. The website presented is suited for both parties. Bilingual, accessible, not discriminatory.

protection - website is proactive, we do the initiation and shouldn't have to wait to be asked for it to be accessible for Maori.

participation - inviting them to participate. Requires for Maori to be involved in what's being offered.

Security Cameras / Kamera Haumarutanga

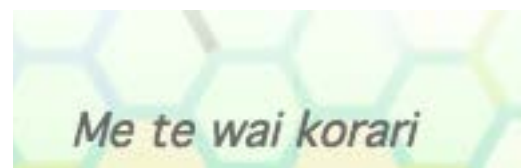


Here there is both Maori and English as the heading.

I decided since my design and colours were quite Pakeha (there's a lack of Maori imagery and colours, like red and black), I should have a Maori saying or proverb across all pages. I didn't want the design to alter away from the client but the saying I thought would have to be relatable to the concept and design, so there would be a link and wouldn't just be there for the sake of it.

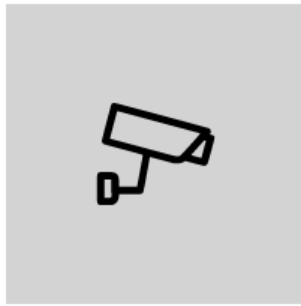
11. Me te wai korari

Like the honey of the flax flower (as sweet as honey)



I found this proverb ‘me te wai korari’, meaning ‘like the honey of the flax flower’, roughly translating to ‘as sweet as honey’. It went with the honeycomb design on the page, as well as the idea of the site - positivity and health.

User Testing and Feedback



User feedback told me that my homepage SVG's weren't always 100% clear as to what they were, so I added the Maori/English translations above and below. Also the grey background was kind of depressing so I changed to the solid green like my client, it was visually too overpowering, so I went with a more subtle tone of light grey background with a green border that got positive feedback.

Security Cameras / Kamera Haumarutanga



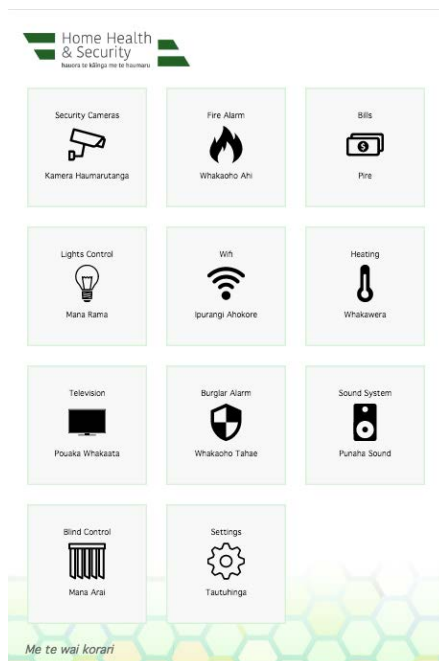
Sound System / Punaha Sound



Some other important feedback was my nav-bar could have a homepage button and a back button. The hamburger bar on the right has all the available options but I agree it's better with these extras, it's one click instead of two.

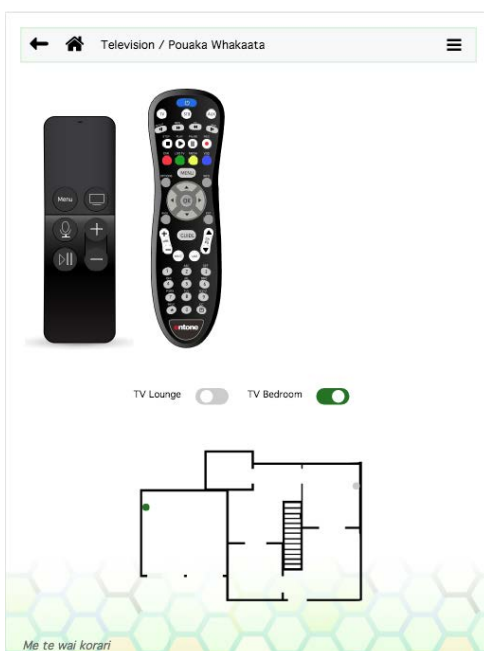
Lots of the user testing done where I got most of the feedback was done as a group project with the rest of the class. We took it in turns to go round most peoples project to give out feedback. I also had user testing from friends and whanua that gave feedback on layout and how many clicks it would take them to get somewhere.

The Research VS Final



Personalising your app -

The idea on the homepage is users can drag items and reorder them in importance as well as drop onto an 'x' to get rid of it if they don't have cameras or a burglar alarm, it won't be necessary for them to have on their homescreen. This was because the survey came back with such a high variance in what people were interested in. Also on the settings page, you may select the page and reorganise it how you like.

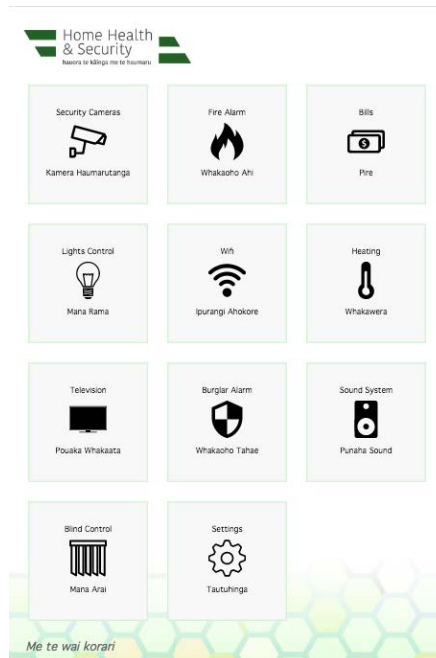
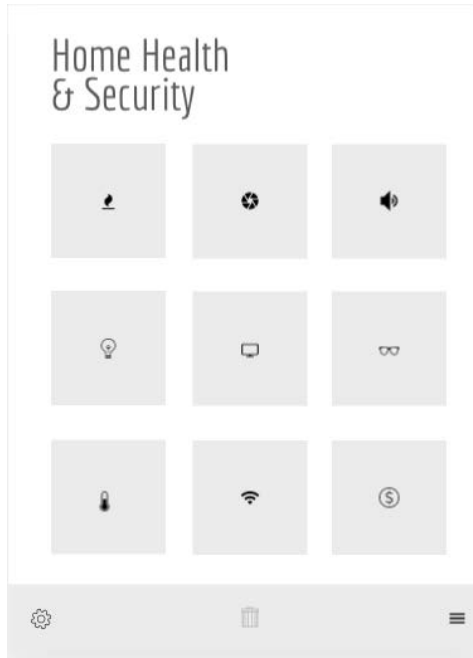


TV Control -

I made the remotes have buttons that light up when hovered over, so the user can change the channel and enter the HDD from the tablet. Also as a result of the outcome of the survey.

Initial Design Concepts VS Final

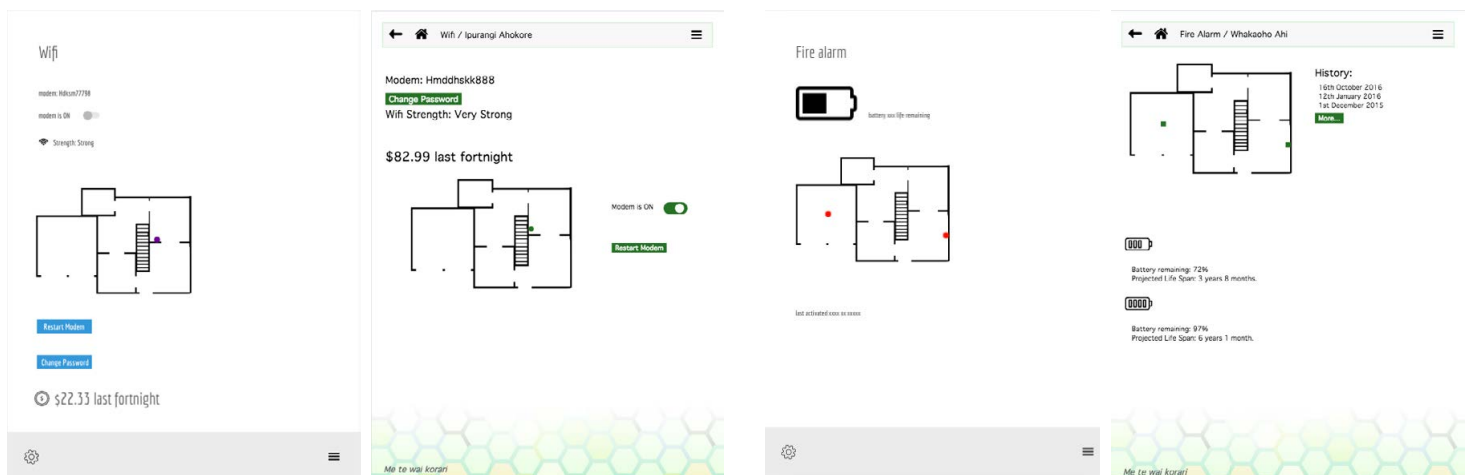
Aside from colour my initial design concepts are similar to my final, I use the same light font in my logo, the squares with the svg's, the floor plan with the dots, and the content are the same.



The Homepage -

I instead go with the settings having its own square on the homepage and get rid of the nav-bar.

As a result of the user testing I use text on the squares also.



The Other Pages -

At first I wanted different colours for the dots on each page, fire - red, lights - yellow etc. I decided to make them all green in connection to the client. Aside from that most the content remained the same, with a slightly altered layout.