

Who is Rohan?

Rohan is a wannabe minimalist who started life as a designer that rarely left the (sometimes rage inducing) comfort of Autodesk Inventor. He then 'found' himself (in the pub too often and the library too late) in Australia, while exploring the world of 2D graphic and identity design.

Outside of design, he spends his time outdoors. For whatever reason he climbs walls and faces that ladders removed the need to years ago.

If you're lucky, (or let's be honest, unlucky) enough to get a few words out of him, you're likely be berated with ramblings of the issue with greenwash or everything that you're doing wrong for the planet.

But, if for some reason you still want to get in touch with him, you can do so here:

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Call me old fashioned but throughout the last year made a point of trying to read more books, especially books relating to design and/or sustainability. The books in the image are those that stood out or contributed the most valuable insights to my projects... And then there is "Graphic Design Rules"...

Each of these books takes a totally different approach to their topic and crafts a unique perspective of the little of the most from was "Cradle to Cradle" on the book I got the most from was "Cradle to Cradle of the little of the impact a shift in our manufacture and distribution processes could have, balances the harsher elements of the reality we're facing with descriptions of methods that could have great impact with little cost to the consumer.

"The Uninhabitable Earth" on the other hand, takes a very different approach, essentially just stating how F**ked we all are for the first few pages.

While they all had different things to say, each book contributed to my approach toward this design, so I guess for that reason I'll call them worth reading.











The first step I took down the path of exploring a series of sustainable design guidelines was focussing specifically on how outdoors gear could be made with lower impacts. This quickly evolved and the focus became the design industry as a whole, meaning a much wider area could be covered and there was much more room for development of the guidelines.

The next step in this evolution was researching what efforts were already being made to reduce impacts in design, both by specific manufacturers, as well as design processes in general.

With this knowledge I decided that some sort of interactive, gamified solution was the path that I should explore.



Now we're cooking

With this new direction established, I set about experimenting with some different ways of provoking more sustainable thinking when it came to the fundamental design process.

Through some early user testing, I established that the most effective way to promote users to think more about sustainability while designing was to prompt them with the beginnings of an idea, then let them take that and make it their own.

To test this, I scribbled out some rough designs and defined some preliminary product characteristics, before asking some coursemates to use the prompts to steer their redesign of a product. These prompts aimed to lower the product's impact, but without sacrificing any of it's performance, ideally doing the opposite and actually improving it.

The results of this workshop reinforced my focus on using prompts as a design tool, and set me on the path to refine these prompts, to ensure they were as effective as possible.





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Setting

With a refreshed sense of purpose and a clearer idea of what needed to be done to achieve an effective end result, I started considering some of the more physical aspects of the project. The content steering the user toward sustainability is important, but without considering how it's communicated to the user renders it almost useless. For that reason, the interactions and process a user has to go through are fundamentally important. i.e. Visual Appeal, Ergonomics, User Experience

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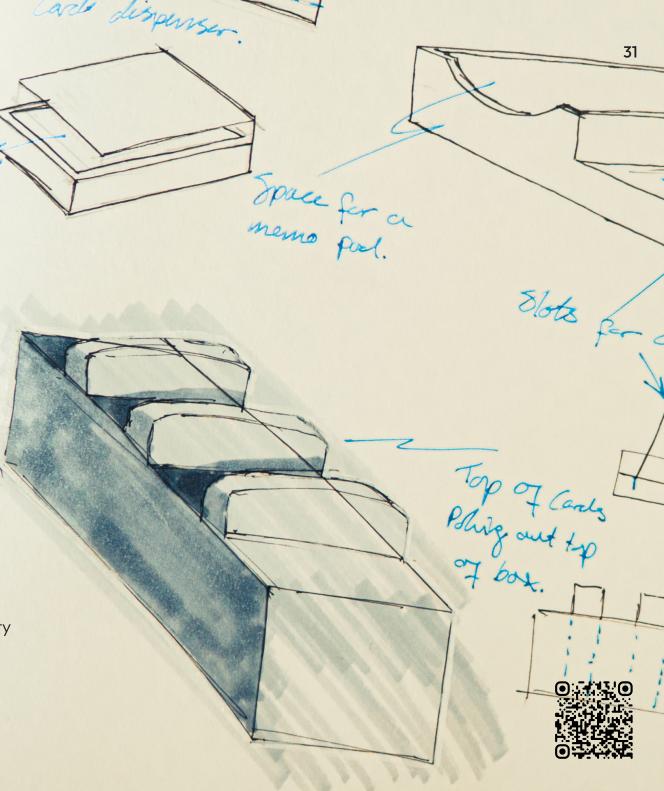
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The first thing I considered was the physical size of the elements in the toolkit. Having now decided that something paper-based would be the best way of communicating playfulness and creating adaptability, I started by experimenting with different sizes and proportions of cards. Aspects such as how they felt in hand and appeared visually were the primary things I was looking for. Ultimately I decided that A6, 7, would be the best solution for the prompts and exercises, as these sizes leave enough space for content at an easily readable size while still feeling comfortable in-hand.

In the beginning I was focussing on the packaging solely as a means of transporting and storing the design tools. Before exploring the use of different sizes for different elements of the toolkit, I was considering a play on the Cards Against Humanity box. Taking that visual identity and putting a sustainable spin on it. In the end I did something totally different but the idea did influence some of my early packaging designs. Using that CAH inspiration I worked on versions of a box that would seperate the toolkit into different categories and display them during use. I also considered a more flat approach, using the packaging as a card dispenser as well as storage solution.

As I will go on to discuss, in the end I decided that focussing on a few small details and interactions, (stressing the simplicity of the product and its adaptability to any users process) was the best course of action.





Time for a face

With a clearer idea of the format, process and content the toolkit was going to use, I could start playing with some real visual cards as opposed to notes scribbled on squares of paper. By this stage I knew that the design aid needed to be simple enough visually that it wouldn't impose bias or influence designers, but still visually interesting enough to incentevise them to interact with it.

I came up with a few directions with varying amounts of colour, design assets and elements, testing the balance between information communication and incentive to interact. The 3 I liked most are those pictured on the left, which were presented in the Mark 2 presentations.

Mixing the feedback from Ross and Andrew as well as my own opinion I decided that while all of these designs did the job to an extent, they needed to be simplified in order to further reduce their ability to cause bias. That's the insight I kept in mind as I continued crafting the identity of the toolkit.

tracting some materials Looking at your other products / e a component ranges, what short falls do they Develop 3 design choices that will encounter? II a consumer dispose of this prevent this item from ending up in What does a sustainable product What Bio-materials could provide look like? O 17 the material charactersites that this deducate consumers on their impact How might the final product serve to support natural cycles? > 2 te all plastic for Paper or How can this product be made to at happens? on the environment? > Can the cost of different, more ve make this flat pack?× 🚽 △ How might the final product serve to sustainable materials be absorbed How might consumers be aducate consumers on their impact by other elements of the product? d a user know how to incentivised to return or recycle the on the environment? ×0 product at the end of its life? X O f this product? 🙇 how would a user know how to dispose of this product? × How might this product serve other How can this product be made to n some uses for waste functions, removing the necessity not only minimise harm, but prompt during the manufacture Are there local materials or suppliers for several products? that would reduce the impact of this regeneration? Is there a way that the product project? × material choice reflect the lf using any harmful or hazardous what unintended consequences might contribute to its own might this product have in the next 10, 50, 100 years? = 0 materials, what substitutions can be What changes would bee needed to What speculative innovations could roduct repairable? × arise in the future, rendering this eliminate the use of all virgin product obsolete? materials in this project? × = ou implement Is there scope to develop a modular system for the project to aid repair How could the product How could this product be 'sold as a and increase product lifetime? communicate its environmental to develop and How do you make the product more how does the product now look? service'? _ × impact to it's user? ibrary of standard What does the version of this product that provides maximum prainstorm 3 products How could consumers be function with minimum complexity How can this product be designed roduced with the encouraged to maintain the product look like? Ivaged at the end of for efficiency instead of excess? * to increase its longevity? × 🕿 fe 🎵 Make reduction of environmental Discuss ways that this product could function with it's utility as the Can this product be easily evolve over time instead of being ponent and conduct disassembled to reduce strain on of how it might be waste flows 🔌 secondary, what happens? stituted 🗂 Is a "take-back" scheme or closed How could this product be designed to improve as it gets older? esign criteria, are all loop process feasible for this ecessary? product/range? 💍 🛆 How might the final product serve to d educate consumers on their impact on the environment?

Behind the scenes

In order for this project to stand the best chance of truly making a difference, the research and development behind every prompt, exercise and piece of copy would be crucial. To make sure the toolkit can do its job requires round after round of iterating and refining to craft an appropriate and provocative library of assets.

In order to achieve the array of copy for various categories and formats, I enlisted the help of Dr. Irene Mazzei, published sustainable design expert and Sustainability Lead at Stoane Lighting, as well as Dave Hollingsbee, Co-founder of The Green Light Alliance.

With Irene pointing me in the right direction and Dave helping to hone early iterations of prompts and exercises.

The result is an 'expertly' crafted pack of relevant and succinct provocations with the potential to elicit widespread positive change across the design sector.

V A



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PROMPT

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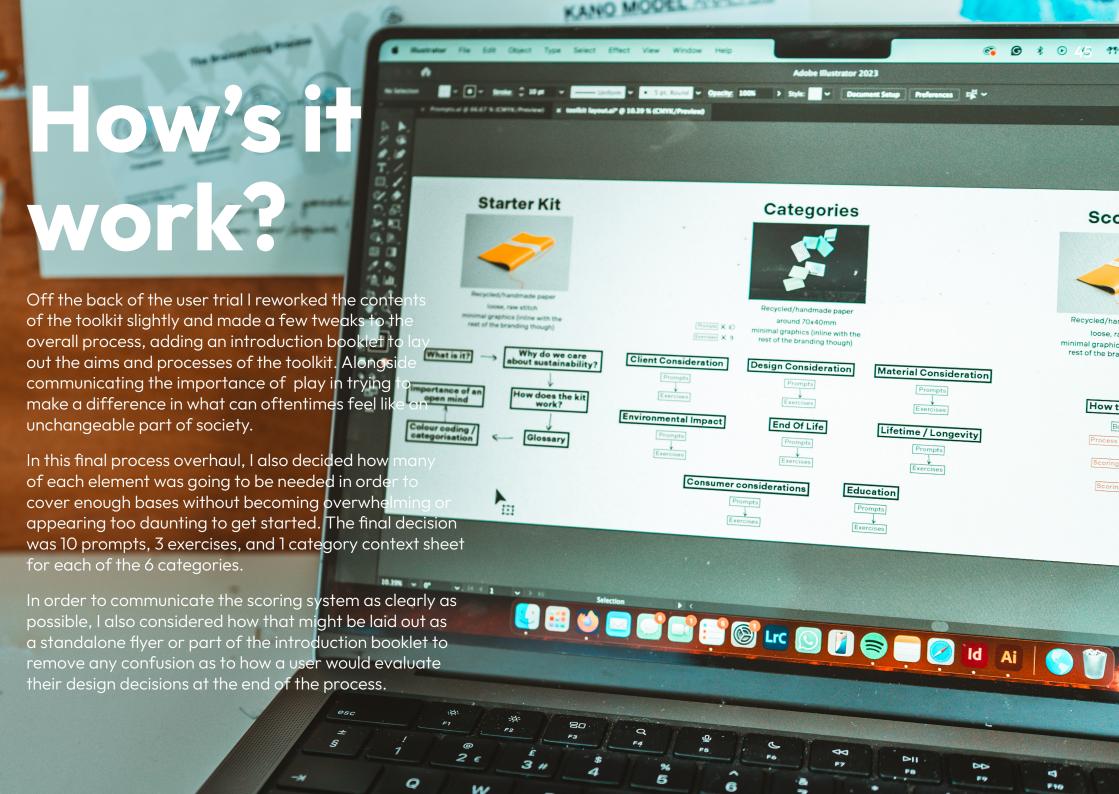
As a team, discuss the wa

Using the insights gathered from the previous round of visual exploration and the further refinement of the process in general for the toolkit, I went through another round of graphic experimentation. This time I really focussed on the minimal aspect, keeping colours relatively tame, typefaces simple and copy efficient. Again, printed these out to take the size development another step further and printed a larger variety so I had some physical cards for use in user trials.

Off the bat, I felt like these designs were going more in the right direction, some were definitely too minimal to the point of just appearing bland but they served their purpose in helping me find the balance.

Printing a larger quantity also served as a learning Mai experience, for this round I printed the fronts and backs separately with the intention of laminating them to make a thicker, stiffer card. Given how long that took and the faff that was printing, cutting, and gluing, I didn't repeat this process later on in the project.







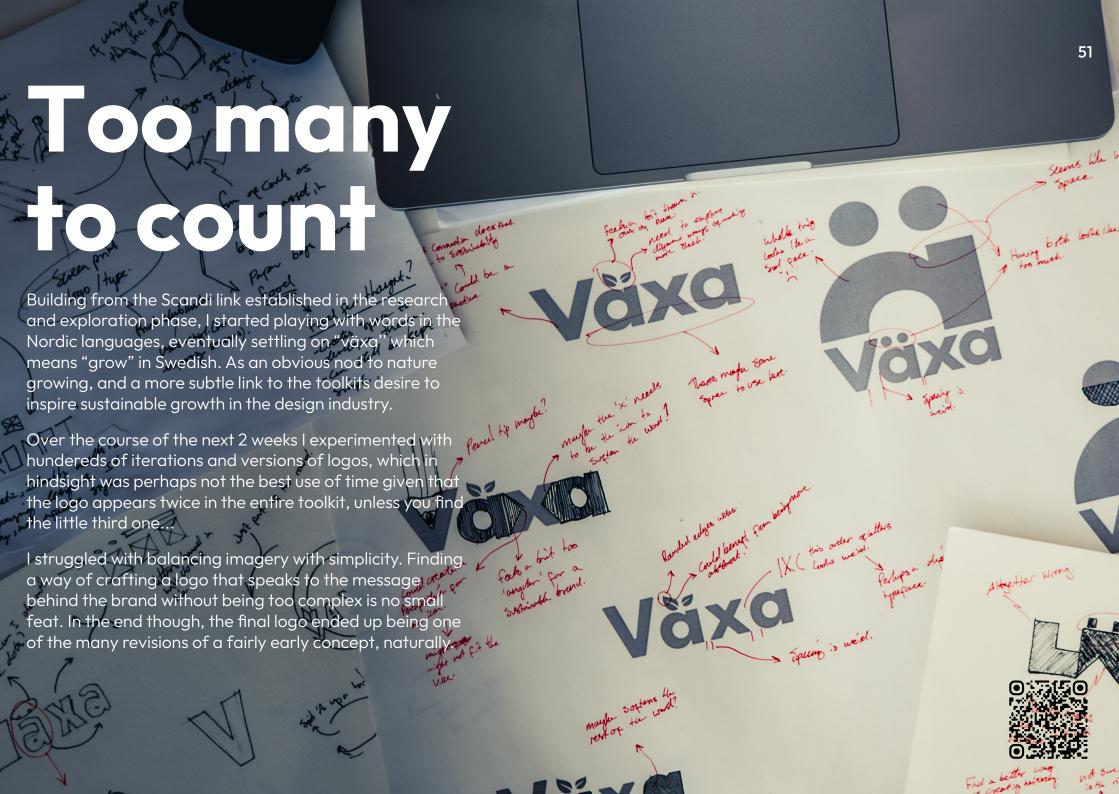
Who is the "who"

Throughout the development process, the 'character' of this product has been establishing itself. The nature of a product like this is such that the criteria it has to meet, do much of the work of defining 'who it is'.

We've established that we're focussing on sustainability. In order to communicate that effectively, the aesthetic needs to remain minimal, but not so minimal that it appears boring and unappealing. Oh, and there needs to have some level of interaction to incentevise use too.

Those general constraints do a lot of the heavy lifting conceptually, but now its time to fill in the blanks. To do that, I started with a decent stint of procra... pinteresting.

Things like pastel colours, simple shapes and letter forms, using natural elements like light and shadow to create subtle visual intrigue were the most standout elements from this process. All of which conveniently fit into Scandinavian design language, which even more conveniently, tends to err more on the side of minimal.





Depending on how willing you are to indulge me, there's a few elements in this final logo that link to 'who' the brand is.

The most obvious element, I think, is the Umlaut. Part of the reason I went down the route of using Swedish was for the diacritics and their ability to make more interesting forms from strings of letters. In this case, I squared them up and reduced the spacing slightly in order to mimic the double diamond design method, how Honours student of me...

The "V" scaled up slightly so that it would appear to frame the rest of the word.

The letter corners rounded slightly to present as more organic and natural.

And if you're really willing to indulge, the combination of the Umlaut and the "a" somewhat looks like 2 people having some kind of conversation or embrace of some kind. Not sure if that's just me though...





Special delivery

I don't think I quite did justice to just how quickly I had to pull all the print files together. Through no one else's fault but my own, I found myself underprepared, underinformed and running a bit short on time to get 60 prompts, 18 exercises; 6 context sheets, a 16 page booklet and scoring sheet developed, refined and finished in 4 days in order to get them sent away with enough time to make the tactile additions I wanted and finish everything else.

A few late nights later and I sent everything off, just to wake up the next afternoon to see I'd formatted a few elements against the bleed and not the edge of the artboard or forgotten to expand to the bleed line, obvious mistakes that don't jump out at sleep deprived eyes in the same way that they do to fresh ones.

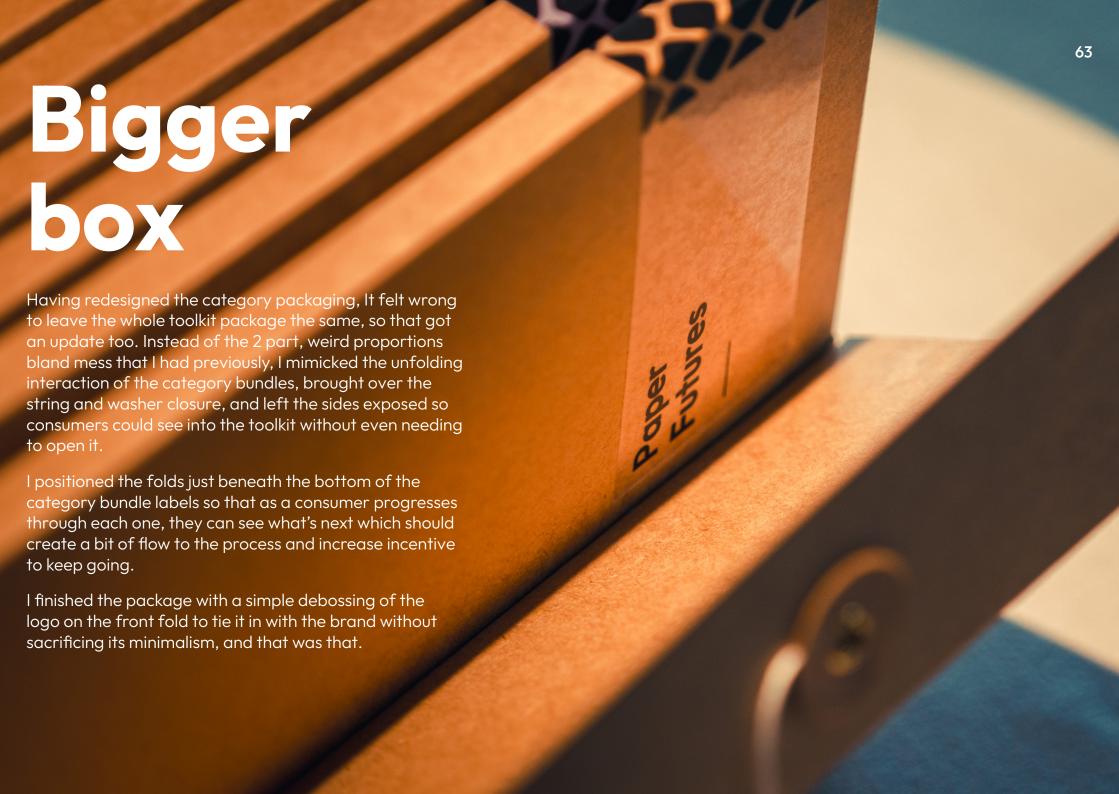
In the end though, I got everything fixed and W&S pulled a blinder getting everything turned around faster than I hoped and threw in a load copies of everything too, which didn't at all feel like a lack of confidence...





was initially hoping for by debossing the whole profile of the words.





Finished at last.

So, with that, the project comes to an end. There were some ups and downs, some back and forth and a LOT of doubt, but in the end, the toolkit that came out the other side feels as though it has the potential to really empower sustainable change. Having spent so long refining the content and getting the input of such well informed, industry leading designers, I don't think that's unreasonable to say...

The only way of really knowing for sure though is to put my money where my mouth is. So who knows, maybe the next time you find yourself wandering around a design studio or reading an article on some sustainability forum, you'll see a flash of Brown and find yourself looking at 'Paper Futures' Once again, or maybe you wont. Either way, I'm proud of it and that'll do for now until I've caught up on some sleep.



Is that all?

I've spent most of this project, like with every project, hating most of it and struggling to trust that it's going to turn out ok, because of that I didn't spend much time looking to what the future could be for it.

Now that it's done and I've had time to sit with Ross' comments through the projects development though, I do see a world in which I take this idea and run a little further. There are some portions I'd like to flesh out some more, having the opportunity to workshop all the exercises with users to develop more effective versions, or taking the time to really break down the scoring system to make it as valuable as possible, are all things I'd really like the opportunity to try.

Maybe there's scope to tweak the toolkit as a whole so it can be used outwith product design, how could I switch it up to work for an architect, or what changes would be needed to make it a tool for change in the banking industry.

Sustainability affects everything and all of us are guilty of taking that for granted from time to time, even me... Maybe it's just about taking little steps here and there to help pave the way for others? Who knows where we'll be in a few decades?

Responsibility

In my defence

"My honest opinion on the content of the toolkit is that it is an effective way of conveying all the most important messages related to sustainable product design, not only regarding resource awareness, circularity and impact, but also touching on the need to engage consumers into this alternative way of looking at products. The toolkit not only provides the designer with thought-provoking ideas, but it also engages them in activities aimed at the translation of these ideas into action and practical exercises, which is helpful to define approaches that will reach the production and manufacturing stages. This is the main goal: making sure that these ideas become the norm in how we conceive product design and production."

-Dr Irene Mazzei

