

# Research & Development

## Logbook

**Entry No:** 1

**Date:** 28/06/21

**Hours:** 2 hours - total 2 hours

**Work Done:** Today is the first meeting we had with our client Leanna for Finappster. Though it was before the semester started, I went ahead to investigate the current state of the website and check for any problems or things that I could suggest to improve upon in our next meeting.

**Thoughts:** upon looking at the website, I thought it was great but the UI/UX could definitely be improved a lot. Depending on what my team thinks of the idea and or the scope of the project that will be discussed in the future, I am thinking that we could touch up a little bit on the UI to make it look more polished.

**Entry No:** 2

**Date:** 05/07/21

**Hours:** 4 hours - total 6 hours

**Work Done:** Today I went to my friend's house who was also part of the initial meeting with Finappster's owner Leanna to have a closer look at the website and share our own thoughts of what we have found so far. In this session, we also started setting up communications with our other team members using Notion for file and document management and Discord for our communications. We then both posted all the problems and suggestions that we found along with questions we may have for the next meeting.

**Thoughts:** I felt this session was very productive and may look good for our next meeting.

**Entry No:** 3

**Date:** 12/07/21

**Hours:** 3 hours - total 9 hours

**Work Done:** Today, as the start of university commences, I decided to recap everything that I found previously about Finappster to get myself ready for the first client meeting as it's been more than a week since we last visited the topic. I also communicated with our team about their thoughts and the necessary topics that we should bring up during the client meeting.

**Thoughts:** Since it is the first time talking to a real client, I need to work on being able to communicate properly with the client as I don't think i'm very good at talking at a different environment

**Entry No: 4****Date:** 16/07/21**Hours:** 3 hours - total 12 hours

**Work Done:** Today we had our first initial client meeting and we were tasked with finding more about our kiwisaver and what type of investments are involved within it. I spent the day after the meeting to recap what we just talked about as I identified that I am not very financially literate and needed to learn a lot of the jargon spoken during the meeting. I researched about kiwisaver and how investment funds work then asked my mum for advice as well when I got home. I was not able to find the list of investments today however, so I will have to continue again another day.

**Thoughts:** During the meeting I felt that I didn't understand a lot about the topic of finances so it was quite difficult to keep up during conversations. I was too focused on the technology side but I of course also need to be financially literate if I was to brainstorm ideas with my client about her product.

**Entry No: 5****Date:** 19/07/21**Hours:** 2 hours - total 14 hours

**Work Done:** Today, because I have a team meeting tomorrow, I made today's goal to recap what was covered during the meeting last week to prepare myself for discussions tomorrow. I also organise our Notion page so that we can navigate to each document much more efficiently. During this time, I continued researching about my KiwiSaver. I wasn't able to call IRD to get information about my fund provider but I found a list of monthly investments added to each fund in ASB. This is not what I was looking for but I feel that it is close to what I need. This also made me think and realise how hard it actually is to find information about your KiwiSaver. The multiple steps to find out about my fund and what companies are invested within it is just too long and tedious.

**Thoughts:** The research that I am doing for the task given to us by Leanna is very helpful in making us realise the direction that she's trying to head towards. However, it is a bit vague as it seems that we're brainstorming with the client. My initial impression was that the client will already know what we want to deliver. This is good because we will have a say about what and how it should look like.

**Entry No: 6****Date:** 21/07/21**Hours:** 2 hours - total 16 hours

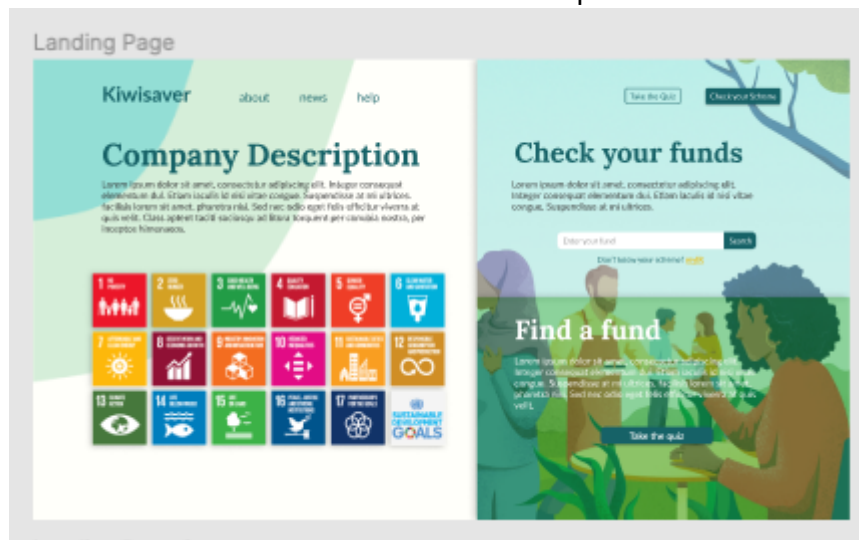
**Work Done:** Today I didn't do much but I got the time to call IRD and ask them what investment fund I am in. I found out that I am in a conservative fund in ASB. I then found the list of investments within that investment with the help of Pete and took note of what I found

**Entry No: 7**

**Date:** 23/07/21

**Hours:** 4 hours - total 19 hours

**Work Done:** After the meeting with Leanna, I recapped everything that was talked about during the meeting and took note of the tips that Barry mentioned as to how we should function during client meetings. During the meeting, we brainstormed how the quiz for the 17 SDGs and how the 5 P's will be presented on the website. As we were going to wireframe these ideas further, I started wireframing them on Figma to present to Leanna how it could look. Though the quiz is still a bit vague on how we are going to format it, I made a start with the my values page and the front page. These representations are still a prototype and were demoed with KiwiSaver as an example.



**Entry No: 8**

**Date:** 25/07/21

**Hours:** 2 Hours - total 21 hours

**Work Done:** Me and the team had a quick meeting as we are having a mentor meeting tomorrow to clarify which questions we wanted to ask.

**Entry No: 9**

**Date:** 26/07/21

**Hours:** 5 hours - total 27 hours

**Work Done:** Today, earlier in the morning, we had a meeting with our mentor to discuss and give us tips on how to interact with our client and what and what not to say. This was needed as our team has not interacted with a real world client before and want to make sure that any work that we do maintains the clients happiness and that they stay interested and happy with working with us.

When I got home, I continued making the wireframe for the user journey and finished everything apart from the quiz page as that is still in discussion.

**Thoughts:** I am not very good at speaking within groups at a professional setting so I need to improve on this and get comfortable with sharing my ideas during discussion

**Entry No:** 10

**Date:** 27/07/21

**Hours:** 4 hours - total 31 hours

**Work Done:** Today, after my classes, I went to my dad's house and asked around what they thought about the design and user journey of the wireframes that I made. He gave some pretty good feedback though I feel since I have never done a usability test before that I didn't do it right as I explained to him what each part meant on the design.

I had an online meeting with the team later on the day to discuss all our findings with the current wireframes

**Entry No:** 11

**Date:** 30/07/21

**Hours:** 6 hours - total 37 hours

**Work Done:** Today we had another meeting with our client and we talked about adding another user, the Investment Provider, to the platform and we discussed our findings about the previous user journey. Because the topic was a bit hard to digest, I spent the time after the meeting to recap with the team and research what to do next.

We also took the time here to show the wireframes that I mocked up during the week.

A draft of the proposal must also be handed in by week 5 so our team started discussing what parts will be covered by each team member.

**Thoughts:** Though it was expected that there will another user on the platform, the new jargon introduced to us by Leanna was tough (eg. Asset Managers, Fund Managers, Custodians etc.) and I thought I needed to learn more about this to understand what we are trying to do and what features would be needed. This topic is a bit tough as I can't think of helpful features for this type of user as I never experienced being that type of user as opposed to a general user investing on the platform.

**Entry No:** 12

**Date:** 03/08/21

**Hours:** 3 hours - total 40 hours

**Work Done:** Today me and the team got together to recap what we talked about during the meeting last week and had a look at sites such as travel sites to see how they advertise certain products and to see how we can connect that to the investment provider which may be part of our scope.

**Entry No:** 13

**Date:** 06/08/21

**Hours:** 3 hours - total 46 hours

**Work Done:** Unfortunately today, I was not able to attend the lecture nor the meeting with the team because of personal circumstances but while I was away I made sure to catch up with my team and check in on the topics discussed during the meeting.

According to my team, there was a hefty amount of information that I missed so I spent my day away to study what I missed and had a thorough analysis of any diagrams that were made during the meeting.

**Thoughts:** I feel that I may be a bit behind after being away for the weekend but good communication with my teammates should help me catch up and stay prepared for the next meeting.

**Entry No:** 14

**Date:** 09/08/21

**Hours:** 4 hours - 50 hours

**Work Done:** Today we had a mentor meeting along with two meetings before and after the mentor meeting to discuss what happened during the last meeting. From catching up with my teammates, judging from what I have heard, apparently it was discussed that there will be a quiz for the investment providers. We were all a bit confused as to where this would actually fit inside finappster as it didn't seem very logical to have one. Should the quiz be for the investment provider to find out what is currently being sold or to find out what their scheme ranking is in the 17 sdgs? We also confirmed other confusions like if finappster will even support buying or selling funds within the platform.

Along with this, we also took the time to talk with him about our portfolio and what and proposal. Since we are still in deep conversations about how we are supposed to design our project and scoping out the most appropriate workload for the rest of the semester. We decided to keep prioritizing meeting and discussing with the client at the moment as writing the documents shall be easier and more efficient to do when we have a clearer idea of what we are doing and what we are supposed to write.

Though we are in deep talks with our scope, we also need to spend some time to talk with Tau about the work they are doing currently, what we will be able to do with it and when we will be able to expect it.

With that in mind. I want to look at the code sometime soon to be able to have a closer look at what we're working with. The last time I had a look at it was during the initial meeting and it looked a bit intimidating.

**Thoughts:** since we are already a few weeks into uni and had a few client meetings already. I'm still trying to accumulate my confidence to speak up during meetings in a way that will sound professional and show that I am contributing towards the group. Since Chris and Pete are great talkers, there are less opportunities for me to take over but this is definitely something I am still working on as working with a client is very unfamiliar to me and I have been used to working very casually.

**Entry No:** 14

**Date:** 10/08/21

**Hours:** 4 hours - 54 hours

**Work Done:** Me and the team just had a quick meeting to discuss questions that we want to ask Leanna and to write it up in a way that will sound professional and hope to not discourage her since we have multiple issues that we want to discuss and confusions we want to clear.

We also had a brief start on the powerpoint slides for the upcoming proposal presentation

**Entry No:** 15

**Date:** 12/08/21

**Hours:** 2 hours - 56 hours

**Work Done:** Along with a quick discussion with the team about what work should be done in the next coming week, me and the team did a few more touch ups on the draft proposal to send it off for review to Barry. Though, I feel a bit sick so I wont be able to join tomorrow's meeting again.

**Entry No:** 16

**Date:** 13/08/21

**Hours:** 3 hours - 59 hours

**Work Done:** Since I was not able to join today's meeting, I spent my time at home recapping with my teammates what happened and reviewing the meeting notes.

I also spent more time polishing up and helping with the scope statement and project objective.

**Entry No:** 17

**Date:** 14/08/21

**Hours:** 4 hours - 63 hours

**Work Done:** Continued working on the proposal, tried to finish the current situation section and added the diagrams we made with our client and the wireframes for the user ad. I had to discuss this with my team for a bit since I was a bit confused as to where were supposed to add the diagrams to the proposal and at some places in the proposal, it feels out of place. There's also a bit of confusion with my teammates about some of the diagrams.

**Thoughts:** I feel that some of them are just focusing on keeping it the same as Delta's work. Though I agree with keeping consistent documents that the client is used to, our project is different and will have different content. I tried explaining this with my teammate and we eventually came to a compromise.

I also found it quite hard to finish some sections of the proposal since we are working on top of a new team, we have to figure out what the old team did and that is quite challenging considering that the old team have all mostly already graduated. We may ask Leanna however, the specifics and technical side of it will be much better explained by the old dev team.

**Entry No:** 18

**Date:** 15/08/21

**Hours:** 5 hours - 68 hours

**Work Done:** Me and the team had a meeting regarding the completion of the proposal draft to be passed in to Barry for review and discussed

**Entry No:** 19

**Date:** 16/08/21

**Hours:** 8 hours - 76 hours

**Work Done:** spent the whole day with the team reviewing and discussing the proposal draft that we completed in preparation for the presentation and constructed the powerpoints for tomorrow's presentation. And though we already spoke with Leanna about what the previous teams did, Rho and Tau work still seems a bit vague.

**Thoughts:** Today was a VERY lengthy day. I am not very good at public speaking or presentations so tomorrow will be a challenge. Though, I feel that I am prepared and that we have prepared a good proposal with a lot of backed up knowledge about what we are currently doing.

**Entry No:** 20

**Date:** 17/08/21

**Hours:** 5 hours - 81 hours

**Thoughts:** ...This day was definitely an eye opener. Today, we presented our draft proposal to our moderator and R&D lecturer and we completely misunderstood what the presentation was for. Me, the team and our mentor all thought that this was just a presentation to show our progress made so far with scoping out our project and what we've talked to the client about. The presentation was actually for the final proposal and we were expected to start the development phase soon after this week. I feel we were prepared going into the presentation but we were completely stumped with some of the questions as since we only had a draft coming in, we haven't planned out how we were going to implement some aspects of the project like how we will recommend investments to the users. Using a machine learning algorithm or what? I feel that our team held the confusion and discussion well though. I feel that even when Alan was asking me questions during the presentations, I answered them correctly and confidently as he did seem to be trying to catch us off guard and testing our competency as a team as he did note that, though it is a tough project, it's not the toughest out there and we still needed to constantly keep thinking of solutions if we are working in the software industry. Although we are still in deep discussion with the client, we kind of got in a loop of trying to understand technical investment terms and how they work where we should be focusing on what we are going to implement.

The good thing about this presentation however was that, for one, we received an extension until week 8 with a 2 week gap in between for mid semester; but also, the scolding opened up our eyes and directed us in the right path for planning and delivering this project. It also helped us understand that we can't just let the client lead the conversation in meetings as we're all supposed to be constantly brainstorming with her. For the next meeting, we need to tell her that we have a deadline and present what we can realistically implement within our timeframe as soon as possible as the development phase must start soon then continue polishing up ideas with what we're going to implement with designs and concrete features.

After the presentation me and the team took some time to discuss with Barry our next steps since we still have plenty of work to be done with our proposal.

**Entry No:** 21

**Date:** 18/08/21

**Hours:** 2 hours - 83 hours

**Work Done:** I discussed with our team in more detail what our next steps are for finishing the project proposal and revised feedback we got from yesterday.



**Entry No:** 22

**Date:** 19/08/21

**Hours:** 1 hour - 84 hours

**Work Done:** to prepare us for the project we need to have an understanding for what the current dev team, Tau will be able to deliver and how we can use it when they are finished this semester so we tried to reach out to one of the team members to see if we can schedule a meeting with them.

**Entry No:** 23

**Date:** 20/08/21

**Hours:** 4 hours - 88 hours

**Work Done:** We had a meeting with our client today talking about how our proposal went and our timeline for scoping out the project wasn't what we thought it was. We talked to her about what our next steps will be and gave her a clearer vision of when to expect any deliverables. We also discussed more clarifications on the normal users and investment providers.

Afterwards me and the team debriefed about everything we just discussed with our client and updated everyone on work done.

**Thoughts:** I feel that this meeting didn't go too well as I think me and the team didn't have a lot of direction and were waiting more for our client to lead the conversation. We ended up having many quiet pauses throughout the whole meeting. To fix this problem, we need to step up and be ahead so our next steps will be to create diagrams of what we've discussed so far to get closer to finalizing our designs and so that we can show that we are actively thinking about solutions for this project.

**Entry No:** 24

**Date:** 21/08/21

**Hours:** 5 hours - 93 hours

**Work Done:** today we focused on brainstorming more on how the user flow for normal users and investment providers will work. We created a miro board for all the diagrams that we made. This helped us get a much clearer view and representation of how it will actually work as most diagrams we had at this point were missing some sections and we didn't have a specific visual representation of our current idea. This was also for great discussion with our client as we want to move forward much quicker than we were before. I suggested that we should probably start creating low fidelity wireframes for the users as we already have a great idea of what would be involved. This would just help show us where each component and features will fit within the current live website.

**Entry No: 25**

**Date:** 22/08/21

**Hours:** 4 hours - 97 hours

**Work Done:** me and the team continued where we left off yesterday and refined the user journey that we created yesterday. Me and Chris had very different opinions on where to have the quiz which led to a lengthy discussion during refining the current journey. Though both ideas are viable and can both work, we decided to keep both ideas and to present it to our client to see what she thinks.

We also did some research on how we can design the quiz as this is still a question we haven't answered fully.

**Thoughts:** It is a bit of a pain having to work in lockdown as for some reason my PC is now acting up and I don't have any money to get replacement parts for it as of yet.

**Entry No: 26**

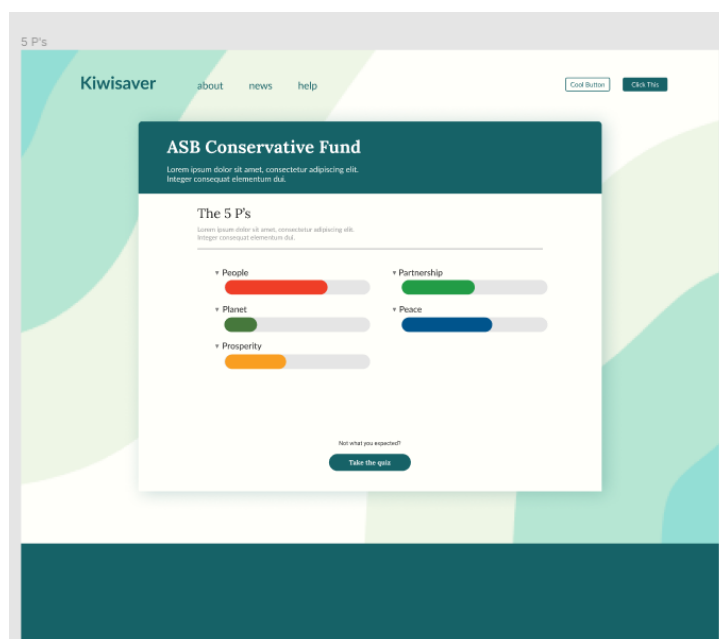
**Date:** 23/08/21

**Hours:** 4 hours - 100 hours

**Work Done:** We had a meeting with Tau and it was very insightful as we got a clear view of what they are going to deliver and they described their project to us along with giving us all access to the backend which we all didn't have before apart from John. Though we won't be able to have the data until after the semester, this is good information to have and now we are able to plan ahead.

I also started writing the quality assurance plan for the project and was stuck with if we had to follow the exact quality assurance as the template seems pretty big. I double checked the lecture slides to make sure and gave it a start

Along with that, I made a very basic design for the my values page on figma following the old wireframes i created for the kiwisaver journey.





**Entry No:** 27

**Date:** 24/08/21

**Hours:** 4 hours - 104 hours

**Work Done:** During the meeting, we continued to refine the user journeys that we created and updated everyone on the progress of the project proposal. Since I got a little stuck with the QA plan, I decided to make a start on my other tasks instead and made a start on the upskilling and change management plan as these 3 tasks were allocated to me during today's meeting.

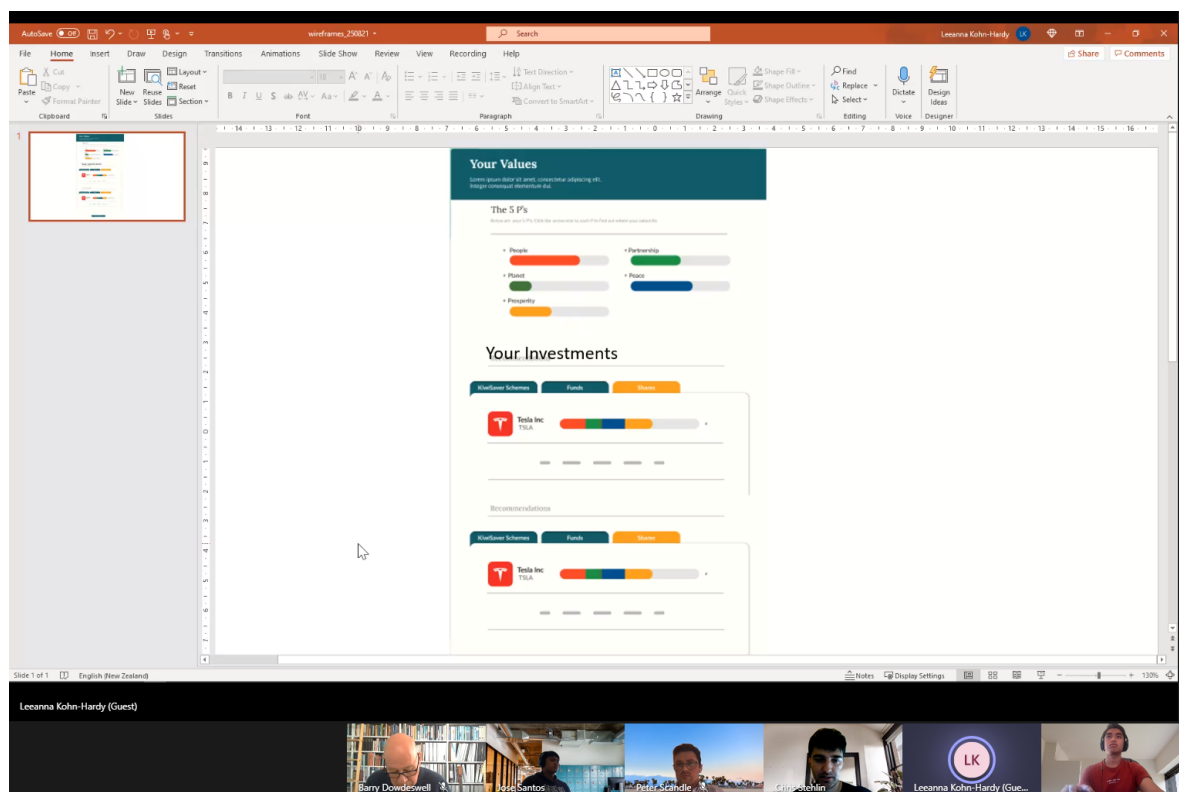
**Entry No:** 28

**Date:** 25/08/21

**Hours:** 3 hours - 107 hours

**Work Done:** We presented our designs on miro with our client along with two versions of the user journey design. We also took the time to ask questions that we still had. We also showcased all design concepts we have for the quiz and my values from figma  
Though the client was impressed with our current designs and refined user journey, we still need to finalize the quiz design which will have to be delivered by the next coming week.

**Thoughts:** this meeting definitely went way better than our last meeting and had a better sense of direction. Our team is definitely stepping up and heading towards the right direction after the confusion from the proposal presentation.



**Entry No:** 28

**Date:** 28/08/21

**Hours:** 1 hour - 108 hours

**Work Done:** I spent some time finishing up the upskilling plan.

**Entry No:** 29

**Date:** 30/08/21

**Hours:** 3 hours - 110 hours

**Work Done:** Today we had a team meeting and I brought up my predicament with the change management plan that I found while making it as it seemed a bit redundant as it seems a lot like a waterfall document rather than agile. We also went over work needed to be done in preparation for the next meeting

I also finished the change management plan after the meeting according to what we discussed

**To do:** while the wireframes are still not finished, I need to work on incorporating suggestions by leanna onto Figma

**Entry No:** 30

**Date:** 31/08/21

**Hours:** 2 hour - 112 hours

**Work Done:** I continued polishing up the designs for the my values by adding the changes that leanna suggested and added recommendations to it



I also continued finishing up the quality assurance plan.

**Entry No:** 31

**Date:** 1/09/21

**Hours:** 5 hours - 117 hours

**Work Done:** Before the meeting, I conducted a usability test with a couple of my friends to see what they think about the current designs for finappster. Personally, though I had some great feedback from the test, the answers were very spread out and there was no one answer that everyone favored, which makes it harder for us as a team to decide on a single great design. During the client meeting to showcase the feedback we all had for the wireframes we created and overall it went well.

As for the tests, I feel that the tests that Leanna conducted weren't very helpful as she used different designs from the designs created from the Figma board. The data retrieved from her tests were in return, would be a bit redundant from what we're trying to do. We explained this to her that the designs that she used might not be the best idea as the UI would feel a bit congested and busy looking. Especially when we recommend multiple investments on the screen.

Other than the discussion during the meeting about the quiz, we went ahead and started writing up all the user stories that may be included for our project.

**Entry No:** 32

**Date:** 05/09/21

**Hours:** 1 hour - 118 hours

**Work Done:** Touched up again on my quality assurance plan as there were still some sections missing

**Entry No:** 33

**Date:** 06/09/21

**Hours:** 1 hour - 119 hours

**Work Done:** Because of everyone's unavailability today, me and Chris decided to go ahead with creating the backlog for the first sprint along with adding some acceptance test for this. We just noted the rest of the team to look over it when they are free to see if they agree with it.

I also noted that since I've been working with another team that has more experience working agile, I suggested that we break it down into 'tasks' rather than user stories to organise the tasks needed to be implemented better.

I also took the time here to show my teammates my solution for the quiz which was to use the already existing sdg grid



And use it for the quiz. Each box could be draggable which would allow the users to sort them in any order that they want. This would be the simplest solution to the problem we've had since the start of this project and I think it would work well.

**Entry No:** 34

**Date:** 07/09/21

**Hours:** 1 hour - 120 hours

**Work Done:** Because of Leanna feedback received today, I discussed with the team about how she didn't really use the designs that we have been using for her tests so the data gathered may be redundant as her designs favored a specific design while the others did not make any sense. The test obviously had many more people favouring one of the designs. This was something we wanted to point out in our next meeting.

**Entry No:** 35

**Date:** 08/09/21

**Hours:** 3 hours - 123 hours

**Work Done:** today we just had a meeting with Leanna and Barry about the user stories and what we wanted to be able to deliver for sprint 1. We also showed the design for the quiz we decided to go with.

The rest of the day was allocated for finishing and polishing up the proposal

**Entry No:** 36

**Date:** 09/09/21

**Hours:** 1 hour - 124 hours

**Thoughts:** we received another design mock up with leanna and it seems she mocked up a design that's straying away from what we have agreed upon during the meetings again. Though they're great mockups, I feel that they're going against what we talked about.

**Entry No:** 37

**Date:** 15/09/21

**Hours:** 2 hours - 125 hours

**Work Done:** I made a mistake with our Miro board and accidentally used a team that I was previously in when I went to a hackathon for our designs and diagrams earlier on the semester. This ended up having all our stuff deleted by another person. Luckily I was able to contact them as it was just a Phd student in Uoa and we were able to recover all the work lost.

**Entry No:** 38

**Date:** 17/09/21

**Hours:** 3 hours - 128 hours

**Work Done:** Today was dedicated to get the development environment for our project setup. Thankfully with John's great research, we were all able to follow his instructions to get it set up.

I on the other hand couldn't set it up until Chris sent me his Poetry files.

**Entry No:** 39

**Date:** 19/09/21

**Hours:** 1 hour - 129 hours

**Work Done:** Since me and John wanted to integrate the workflow that we liked from extra curricular software groups, we took the time together to break down the tasks ourselves on the trello board to show the team tomorrow to see if they like it.

**Thoughts:** Since I've been getting myself familiar with the finappster code base more and diving really deep to see where everything is, I've come to realise that the code base is pretty horrendous and every file could be organised and refactored better. I just noted this to the team for now but I feel that we may run into some problems because of this.

**Entry No:** 40

**Date:** 20/09/21

**Hours:** 2 hours - 131 hours

**Work Done:** Today we had our first planning poker for sprint one and allocated tasks to everyone.

**Thoughts:** Though I wanted to introduce a new method for writing tasks and planning the sprints, I feel that some group members were really closed minded about the idea and even joked about it. Not the feedback that I was expecting but we all adapted to it in the end. They didn't take it too seriously as well which may lead to a lot of confusion when developing as they still kept the same mindset though I introduced a new method.



**Entry No:** 41

**Date:** 21/09/21

**Hours:** 1 hour - 132 hour

**Work Done:** without coding too much, I just made sure that everything is correctly running again and set up the baseline for the thing that i'm about to implement.

I've had a look at a few libraries like the DND kit library for implementing the grid.

**Entry No:** 42

**Date:** 23/09/21

**Hours:** 2 hour - 134 hours

**Work Done:** Today I spent a little more time trying to implement the quiz but was just messing around with the library that I found and making small test components. I also added the div wrappers for the contents of the quiz.

As I previously noted with the team, the code that the previous team has left for us is a bit unorganized and hard to work with. There are files with thousands of lines and it could all be done a little bit better. It's still in the back of my mind thinking if we should add it to our scope to refactor some bits as this wouldn't just help us but also help future teams in their development.

Though the team still disagrees, I think it's worth noting especially if we have spare time during the break as files like the dashboard.js would be a pain to add onto as the code looks horrible. It is either we learn the old coding standards or continue working in the coding standards that our team has made which is what I suggested for now.

**Entry No:** 43

**Date:** 24/09/21

**Hours:** 1 hour - 135 hours

**Work Done:** I emailed Barry about suggestions on my conundrum with the state of the current code as I don't really know what would be the suggested plan of action to handle this.

I also added the 17 sdg names and rgb values in a json format in the code and did a few bug fixes. For the colors. I spent a little bit of time looking at the sdg branding guidelines to make sure I have everything right.

**Entry No:** 44

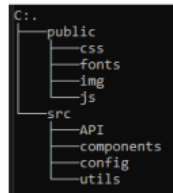
**Date:** 25/09/21

**Hours:** 2 hours - 137 hours

**Work Done:** I received an email from barry today concerning my predicament with the state of the current code.

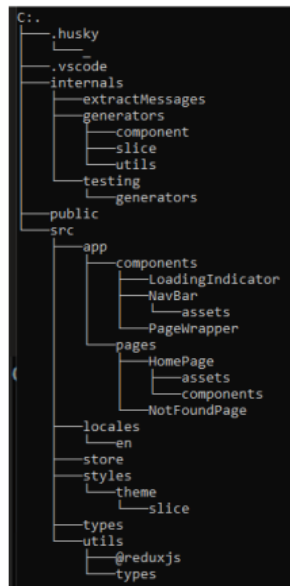
Hi Barry,

I just have one question about the front-end. I have been playing around a lot with the code in front-end and I can't help but notice that the folder structure is a bit unorganized and that the code could be written in a better way. The current folder structure looks like this:



All the pages and components are all put inside the components folder and nearly all of the CSS is put inside one file. Files like dashboard file and CSS files are way over a thousand line long. I was wondering if it may be a good idea to fit in within our project or as I was thinking, during the semester break, to restructure it to make it easier for future teams to add on to the current design in the front-end and potentially improve in speed when a user has a lot of investments to load on each page.

I'm a bit stuck currently as I'm caught in between if we should follow the old teams coding standards or improve upon it and by organizing the file structure. I was thinking of a structure like this which is what I normally use in my projects.



This structure will not only organize it, but I was also thinking of new technologies as opposed to the ones being used currently.

I would love to hear your input on this as we've started on developing and I feel the front-end could be improved a lot for future teams and for us. The backend, though have a lot of deprecated technologies is fine however and only requires us to learn more about python and the Django framework.

Also, I understand if refactoring the code base is not ideal, but should we follow the old teams coding standards, or would it be a good idea if we use our own coding standards and use new technologies as this most likely won't affect the code at all. It will affect future teams as two different coding standards could be confusing to debug. But if you have any questions, I would like to discuss this with you further when you have the time.

Thanks,



Barry Dowdeswell

Sat 25/09/2021 9:25 AM

To: Jose Santos



Hi Jose,

First of all, let me say **congratulations** for taking the time to really get into the code and think about it. Well done 😊. This is also great stuff to put into your Project Log – way to go dude !!!

I am pretty old-school about coding, so I have some strong ideas myself about how to organise my code, how I indent C/C++ code and the way I write my comments. I am sure you are forming and changing your opinions as you mature as a developer.

How do we answer this sort of question? There are a lot of ways we can approach it.

- This code base was inherited from the original contractors. Each one was independent, in different parts of the world, and they probably never had this sort of discussion about standards. So, what you are seeing is an example of *Technical Debt*.
- What is considered to be React best-practice? Did that influence your thinking to decide that the existing layout is not optimal? I can see your excellent reasoning later in your email – well done.
- What should we do next? I think this is a great team discussion we can have sometime soon. I recommend you share this conversation with the rest of the team.
- One point to bear in mind – we need to have something to show for our Mid-Project Review in a few weeks time. Concentrating on that is not being selfish – I want to ensure you all get a great grade at the end of the year (*shhh - I have already marked you all A for the project proposal – you did not hear that from me 😊*) So, maybe this tidy-up could be something we schedule during the current work but aim to complete it before the end of the project mid-next year. How long would it take to do this tidy up?

So, once again, great thinking Jose – well done. This is just one more piece of evidence that shows you are a great team member who deserves that A+ at the end of the project 😊

Kind regards,

*badger*



**Badger Dowdeswell** MCIS(Hons), GradDipCIS, GradDipTchg(Sec), BSc(Chem)

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Jose Santos

Sat 25/09/2021 11:32 AM

To: Barry Dowdeswell



Hi Barry,

Thanks for the reply. I have been working on another team outside of AUT and it's been very helpful since I've learnt quite a lot about new and more efficient ways to write code as opposed to having Technical Debt as you have said. This is the kind of thing we also experienced in SDP as there is a limited timeline to learn and implement a new language Haha.

I have already shared this with the team prior to my previous email but some of them were a bit on the edge of fitting it within our project as they thought though refactoring and writing good code is important, Leanna is not very technical and most likely wouldn't care about how the code is written since the result would be the same. I disagreed and said that having a good codebase is just as important if we were delivering a piece of technology as it saves time and efficiency. It's also better to do it sooner rather than later with proper documentation on the folder structure to help us and future teams when implementing new features to the front end.

One of my problems is however, if we were to take this on, is it recommended and change some of our plans for sprint one and do this now? Our current sprint plan was to implement the backbones on the quiz page and add it to the front-end but am currently facing the Technical Debt the previous teams had. Me and John have been scoping it out and our estimate on the completion on this would probably take around a month along with other papers this semester but is something we're happy to work on after the semester ends as it sets up our work for next year. As of now, our most recent work was configuring the GET and POST requests for the quiz results, so nothing too involved with the front-end which is fine.

Also, it's great to hear that we got an A!! 😊

Thanks,

Jose Santos

0277229099

Student ID : 17993442

...



Barry Dowdeswell

Sat 25/09/2021 12:00 PM

To: Jose Santos



Hi Jose,

Yes, I think that this is important, but I can understand that the team would have concerns. My recommendation is to get a good mid-project deliverable and then re-visit this at the end of the semester. I will make sure it does not get forgotten. Some of the things you will want to achieve in S1 2022 may require the sort of clean-up you are recommending.

We have time to re-work the goals for next semester and this should certainly be discussed.

Cheers,  
Badger

...

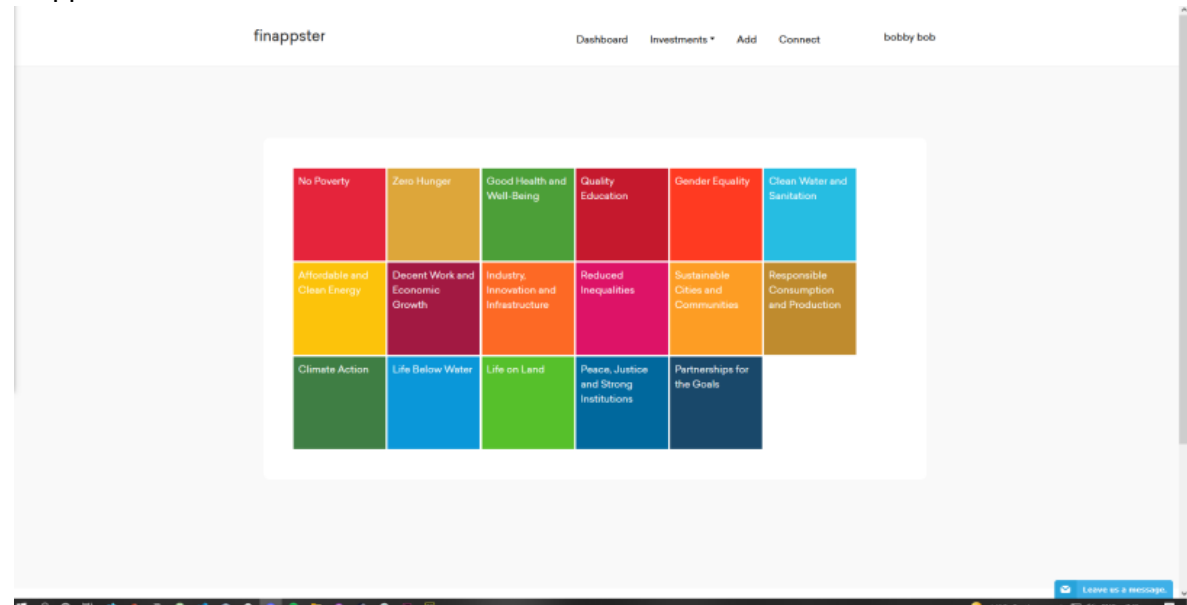
I noted with the team that though it isn't a priority, especially for sprint 1, we should focus on our mid project deliverable for now then see if this would be able to fit within our project timeline as I feel that it is an important task to do and will help us implement the features that we want as well.

**Entry No: 45**

**Date:** 26/09/21

**Hours:** 1 hour - 138 hours

**Work Done:** I finished a baseline look for the quiz. Now i just need to add the other droppable container.



Today we also had a quick standup meeting to check how everyone is doing with their tasks.

**Entry No: 46**

**Date:** 28/09/21

**Hours:** 2 hours - 140 hours

**Work Done:** I spent a while trying to add the second container but I made no progress. It seems that the other box cant be droppable if there are no items in it.

I'll revisit this again during the weekend.

**Entry No: 47**

**Date:** 01/10/21

**Hours:** 1 hour - 141 hours

**Work Done:** Meeting with Ashley, a finappster Delta member talking about how the backend works.

**Entry No: 48**

**Date:** 02/10/21

**Hours:** 2 hours - 143

**Work Done:** I tried fixing the bug that I had with the quiz again and it seems to not be working still so I decided to rewrite some sections and refactor code that I may have written badly.

**Entry No:** 49

**Date:** 05/10/21

**Hours:** 2 hours - 145 hours

**Work Done:** I'm now getting frustrated as I still can't get the quiz container to work. It's getting very close to deadline of our sprint and I can't seem to fix this one problem. It seems very simple to fix but for some reason none of the methods that I have chosen have not worked.

I've asked for help from John but even together, we couldn't solve it.

**Entry No:** 50

**Date:** 06/10/21

**Hours:** 2 hours - 147 hours

**Work Done:** I used a very 'cheaty' way to fix the quiz for now and only made it submit the results in the original container as opposed to having to drag it onto the result container then submitting. I did this because the other tasks are catching up and I don't want to hold my team back with this issue so I just created something that they can use while I'm still debugging.

Because I have only been working on my front end but now may need some back end functions that Chris and John have been writing, I pulled the latest iteration of the backend and it seemed to have broken my poetry and I was not able to fix it. I need to fix this soon but I do not need the backend for my tasks.

**Entry No:** 51

**Date:** 10/10/21

**Hours:** 2 hours - 149 hours

**Work Done:** Today John helped me finish the task that I have been working on. He found a better library for it and I instantly implemented everything and was able to fix and design everything quickly with the new library.

**Entry No:** 52

**Date:** 13/10/21

**Hours:** 2 hours - 151 hours

**Work Done:** Today we had a sprint review with Leanna and Barry then we did a retrospective with the team. We also started organising our mid project review

**Entry No:** 53

**Date:** 17/10/21

**Hours:** 4 hours - 155 hours

**Work Done:** I finished writing up the current status and attempted writing the recommendation section for the mid project review but ended up needing help. I found it hard to write because I couldn't think of anything wrong that our team did as we all did pretty well. The retrospective that we all wrote didn't seem to have any big problems in my opinion as well.

**Entry No:** 54

**Date:** 18/10/21

**Hours:** 3 hours - 158 hours

**Work Done:** Today we had a mentor meeting with barry to review our status report before we pass it in. afterwards, later at night the team and I also got together to start organising the powerpoint and slides

**Entry No:** 55

**Date:** 19/10/21

**Hours:** 3 hours - 161 hours

**Work Done:** Today we continued organising the powerpoint and ran through a couple practice runs for the presentation tomorrow

# Research & Development

## Logbook 2

**Entry No:** 1

**Date:** 13/11/21

**Hours:** 1.5 hours - total 1.5 hours

**Work Done:** Set up my development environment again on my devices since I cleared my PC and my backend wasn't working correctly before.

**Entry No:** 2

**Date:** 15/11/21

**Hours:** 2 hours - total 2.5 hours

**Work Done:** had a meeting with the team to talk about sprint 2 and work to be done during the break. We decided to start researching the recommendation system and how we will implement it. A meeting with Tau is also to be scheduled for the project handovers.

**To do:** Research on the best way to implement a recommendation system onto our work and contact finappster Tau to schedule a meeting to talk about the shape of their data and how their final project works.

Based on the data Taus work, it's possible that our sprint goal could change as its predicted that Taus work isn't what we thought it was based on our investigations and what Leeanna told us.

**Entry No:** 3

**Date:** 16/11/21

**Hours:** 2 hours - total 4.5 hours

**Work Done:** Messaged Matthew on LinkedIn and scheduled a meeting with the whole team. I also had a look at Taus finished work and tested it by checking their database and what format their API is in.

**Thoughts:** Upon investigation, I realised that all their data are just dummy data and nothing resembling real world data that Leanna has put in. My thoughts are, is it our problem to fetch sdg data for each share we have to have reliable data or can we just set it up with dummy data as well when we make our recommendations.

Taus work barely has any data for sdg and it wont not be helpful at all for whatever recommendations system we implement.

Next step is most likely to retrieve the templates from Tau so we can upload our own data onto the database.



```
207     "responsibilityMap": null
208   },
209   {
210     "isin": "GRGF",
211     "is_archive": false,
212     "id": 16,
213     "name": "Share test 9",
214     "responsibility": null,
215     "responsibilityMap": null
216   },
217   {
218     "isin": "AFJF",
219     "is_archive": false,
220     "id": 17,
221     "name": "Share test 10",
222     "responsibility": null,
223     "responsibilityMap": null
224   },
225   {
226     "isin": "UVUG",
227     "is_archive": false,
228     "id": 19,
229     "name": "Share test 12",
230     "responsibility": null,
231     "responsibilityMap": null
232   },
233   {
234     "isin": "",
235     "is_archive": false,
236     "id": 21,
237     "name": "Share Add 1",
238     "responsibility": {
239       "pos_no_poverty": 0.0197,
240       "pos_zero_hunger": null,
241       "pos_good_health_and_wellbeing": null,
242       "pos_quality_education": null,
243       "pos_gender_equality": 0.0055,
244       "pos_clean_water_and_sanitation": null,
245       "pos_affordable_and_clean_energy": null,
246       "pos_decent_work_and_economic_growth": null,
247       "pos_industry_innovation_and_infrastructure": null,
248       "pos_reduced_inequalities": 0.0088,
249       "pos_sustainable_cities_and_communities": null,
250       "pos_responsible_consumption_and_production": null,
251       "pos_climate_action": null,
252       "pos_life_below_water": null,
```

Also, the negative and positive values have not been talked about at all with Leanna so it's a bit confusing as to why this has been implemented.

**Entry No:** 4

**Date:** 18/11/21

**Hours:** 1 hours - total 5.5 hours

**Work Done:** had a quick meeting with the team since we just received some answers to our questions from our emails.

**Entry No:** 4

**Date:** 18/11/21

**Hours:** 1 hours - total 5.5 hours

**Work Done:** had a quick meeting with the team since we just received some answers to our questions from our emails. We also started planning out what other questions we want to ask and what we want to see on our upcoming meeting with Tau

**Entry No: 5****Date:** 20/11/21**Hours:** 2 hours - total 7.5 hours

**Work Done:** Meeting with Tau talking about their overall project and analysing sections that would be relevant to us.

**Entry No: 6****Date:** 23/11/21**Hours:** 1.5 hours - total 9 hours

**Work Done:** Had a meeting with Leanna regarding Taus work. We asked why Taus data contains 32 SDGs (positive and negative) and if she can provide any necessary data for us.

As expected there is no full data set yet as mentioned before and we were instructed to focus on data with Planet but we proposed using dummy data for testing while there is no data yet. We also proposed only using one value for each SDGs.. Leanna seems a bit hesitant with our proposals but we left it off while she works on gathering more data for us.

**Entry No: 7****Date:** 25/11/21**Hours:** 2 hours - total 11 hours

**Work Done:** Leanna sent us a new updated set of data but upon my own inspection, it doesn't seem all too helpful and still a bunch of nothing much like the previous set of data. While it is very detailed, alot of it doesn't seem to be relevant to what we need.

Also, I don't understand why she sent us this considering how the templates for Taus work are completely different to the one she gave us. Whilst it is data, there's no way of actually uploading it anywhere. The data for negative and positive data is also missing so this data is in no shape to be uploaded into Taus work. I am just a bit confused as to why Taus' design is completely different to how Leanna has been working with us on our design but it was never brought up.

I also explored a bit on what recommendation system to implement but didn't find anything that I thought would be good enough.

**Entry No: 8****Date:** 12/12/21**Hours:** 2 hours - total 13 hours

**Work Done:** Had a meeting with Barry regarding our thoughts on Leanna's data and how the data doesn't seem to be usable and that Leanna lacks the data for the platform.

**Entry No: 9****Date:** 15/12/21**Hours:** 2 hours - total 15 hours

**Work Done:** Had a team meeting about the last meeting with barry.

Regarding our issue with having no real data, we decided we want to push for the use of dummy data for our project as having a full set of data is not possible as of now.

**Entry No:** 10

**Date:** 09/02/22

**Hours:** 1 hours - total 16 hours

**Work Done:** Quick catch up after a break off the project. Talked about prioritising, finalising the recommendation algorithm and how we will implement it with the data that we have.

**To do:** over the weekend, we should find a preliminary solution to how to recommend it to the user if no good solution can be found for now.

**Entry No:** 11

**Date:** 14/02/22

**Hours:** 4 hours - total 20 hours

**Work Done:** just did a quick exploration again of the whole code base (Deltas and Taus) to help me figure out where we are currently at again.

Also had a meeting with the team later on in the day talking about the recommendation algorithm. Pete and Chris came up with a solution but looking over the maths, I don't think it's the best solution yet.

**Entry No:** 12

**Date:** 17/02/22

**Hours:** 1 hours - total 21 hours

**Work Done:** quick meeting with the team regarding our trello board and allocating tasks for the semester

**Entry No:** 13

**Date:** 24/02/22

**Hours:** 3 hours - total 24 hours

**Work Done:** Did some exploration on the recommendation algorithm and I thought that we should just use the euclidean distance between each overall 5 p value for a user and a share. I've implemented this quite a bit for my DSA and ADA assignments so it should be easy to do.

**Entry No:** 13

**Date:** 01/03/22

**Hours:** 3 hours - total 27 hours

**Work Done:** First meeting back on campus in person. Cool seeing the team again!

**To do:** implement the algorithm

**Entry No:** 14

**Date:** 04/03/22

**Hours:** 4 hours - total 31 hours

**Work Done:** Since I Chris and John just finished their work, I started my end of the job and pulled their work but I ran into a bunch of errors before I got it to run. I didn't manage to get it to work today so I just wrote code for the algorithm without connecting it to the

backend.

**Entry No:** 15

**Date:** 05/03/22

**Hours:** 4 hours - total 35 hours

**Work Done:** Worked on the code again and found out that my code isn't working because the spelling i had for my http request did not match the columns in the backend as it was case sensitive. I also simplified the euclidean distance formula on the codebase

I rigorously tested it out as well using a calculator and different sets of data. This process was really annoying as there was a lot of calculation happening and it's hard to know if the maths is correct and that we were recommending the right share to our user.

**Entry No:** 16

**Date:** 06/03/22

**Hours:** 2 hours - total 37 hours

**Work Done:** Tidied up the code and created a PR

**Entry No:** 17

**Date:** 07/03/22

**Hours:** 1 hours - total 38 hours

**Work Done:** Added the recommendations to the frontend

**Entry No:** 18

**Date:** 08/03/22

**Hours:** 4 hours - total 42 hours

**Work Done:** had a quick meeting with the team beforehand to discuss what we will cover for the meeting with leanna afterwards.

We then showcased our work to leanna. Though everything is working fine, she seemed a bit unhappy with the results although this is what we have been discussing we'd deliver thus far???

We mentioned using dummy data in place before which is what we did but leanna seemed not too happy that we went this route and wanted to use Taus work as a platform to upload data. My confusion still stands as the data she provided is both not in the same form as the one used by Tau and will be unable to upload to their work in the first place. I asked Leanna for the templates that she would use to upload to Taus work to help us understand the workflow that she wants but I doubt it would be of any use since it looks like she wants to use raw data to upload.

For now, we decided to leave it and discuss with the team some other time to find other solutions for what leanna wants as we probably won't be able to move forward with our sprint if she can't have a platform to upload data to.

**Entry No:** 19

**Date:** 09/03/22

**Hours:** 2 hours - total 44 hours

**Work Done:** Had a quick look at the way Tau parses data in to give myself an idea of what

the template would look like as I haven't received it from leanna yet.

The files in their repository do seem like it is the files that you would use but the format their work parses it is different from what we've discussed thus far from part 1 RND.

I remember from an old meeting that tau said that the pos and neg sdg value for each share is a percentage on how much weighting it has on a specific fund. Considering how this is a bit different from what we discussed and how calculations will most likely give us a really low percentage when recommending a share, we need to do something different as there will be too many unnecessary calculations when recommending a share or fund.

Taus work wasn't designed to read in the new csv file which is a problem so it's either we tweak Taus work or make a new data upload app for Leanna.

**Entry No:** 20

**Date:** 10/03/22

**Hours:** 2 hours - total 46 hours

**Work Done:** Team meeting. Discussed our tactics moving forward and scheduling meetings with barry and zeta in the future and how we will deal with leanna.

**Entry No:** 21

**Date:** 11/03/22

**Hours:** 1 hours - total 47 hours

**Work Done:** Meeting with Barry talking about our solution for convincing leanna to use dummy data since her data is incomplete. We also talked about reasons why we shouldn't use Taus database since the format of her data has changed a bit.

**Entry No:** 22

**Date:** 14/03/22

**Hours:** 2 hours - total 49 hours

**Work Done:** Quick meeting to outline what we will talk about with zeta on the following day and outlining our project so far on miro to show leanna.

**Entry No:** 23

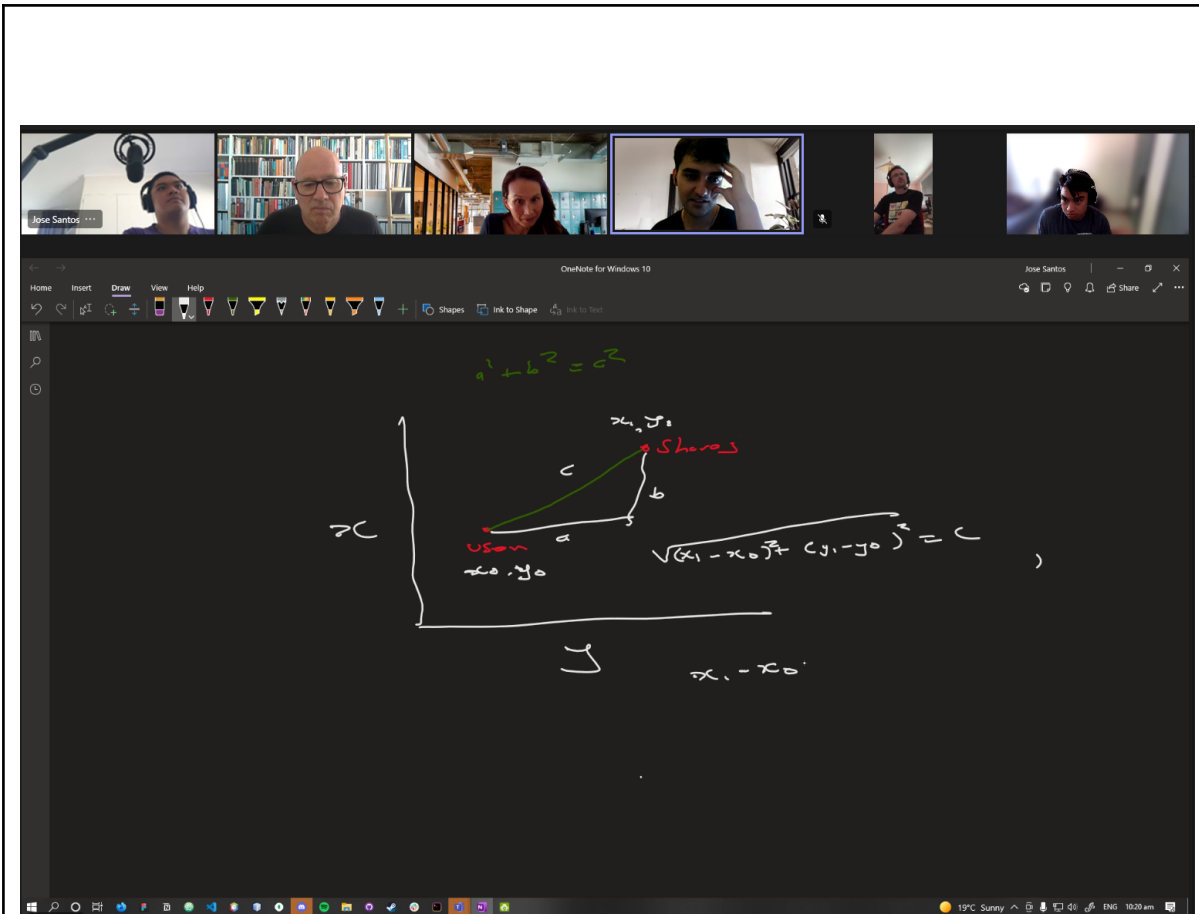
**Date:** 14/03/22

**Hours:** 4 hours - total 53 hours

**Work Done:** Meeting with Zeta to answer all their questions and tips on how the project. We also asked what their project will be about.

Afterwards, we had a meeting with Leanna and Barry.

After Chris showcased our miro board, explaining our current work and situation and issues with Taus database, I explained the algorithm.



The rest of the meeting, was just us explaining our next steps forward with the new data upload app that will temporarily replace taus work with the use of dummy data

After the meetings, we had a quick team meeting to discuss next steps.

**Entry No:** 24

**Date:** 17/03/22

**Hours:** 2 hours - total 55 hours

**Work Done:** Meeting for the next sprint. Planning our tasks and what tech to use.

**Entry No:** 25

**Date:** 18/03/22

**Hours:** 3 hours - total 58 hours

**Work Done:** Me and John set up the base for the data-upload-app and am just waiting on Chris to finish his task so we can start doing some api calls.

**Entry No:** 26

**Date:** 18/03/22

**Hours:** 1 hours - total 59 hours

**Work Done:** Spent some time discussing with Chris on what form we want our data to be in since he's designing the backend.

<b>Entry No:</b> 27 <b>Date:</b> 19/03/22 <b>Hours:</b> 1 hours - total 60 hours  <b>Work Done:</b> Reviewed Chriss PR and spent some time testing it and resolved one error.
<b>Entry No:</b> 28 <b>Date:</b> 20/03/22 <b>Hours:</b> 1 hours - total 61 hours  <b>Work Done:</b> Me and John handled post http requests to the backend since it was available now.
<b>Entry No:</b> 29 <b>Date:</b> 22/03/22 <b>Hours:</b> 1 hours - total 62 hours  <b>Work Done:</b> Client meeting. Quick update on the progress on the data upload app. So far I was only able to showcase a button on the screen but everything was functional.
<b>Entry No:</b> 30 <b>Date:</b> 23/03/22 <b>Hours:</b> 1 hours - total 63 hours  <b>Work Done:</b> checking out chriss pr on the backend for the fund table
<b>Entry No:</b> 31 <b>Date:</b> 25/03/22 <b>Hours:</b> 1 hours - total 64 hours  <b>Work Done:</b> caught covid so I missed out on the team meeting and just caught up with the team afterwards.
<b>Entry No:</b> 32 <b>Date:</b> 29/03/22 <b>Hours:</b> 2 hours - total 66 hours  <b>Work Done:</b> Still sick with covid so i just listened in the meeting but was hard to follow online since everyone is in person and I couldn't see what they were showing.
<b>Entry No:</b> 33 <b>Date:</b> 30/03/22 <b>Hours:</b> 2 hours - total 66 hours  <b>Work Done:</b> Team meeting. Caught up with yesterday's meeting.  According to yesterday's meeting, Leanna says that the percentage doesn't apply to the share sdgs to get the weighted sdg funds. Team doesn't remember the exact calculation but I am told that the output that she showcased was two completely different numbers leaving us to believe that what she says is true. During the meeting I mentioned that I think she may have made a mistake because mathematically, it shouldn't be different.

This is a problem and will make our strategy different.

My next steps should be to investigate her data and receive calculations from her to confirm that her maths is correct or not.

**Entry No:** 34

**Date:** 02/04/22

**Hours:** 2 hours - total 68 hours

**Work Done:** Meet up with Barry and discuss the rest of our development scope as we won't be able to produce anything useful without Leanna being able to provide us with the right data and since she is not happy with using real enough data.

Also talked about working on a portfolio whilst leanna gets back to us since she's been sick and hasn't replied to our emails.

**Entry No:** 35

**Date:** 03/04/22

**Hours:** 1.5 hours - total 69.5 hours

**Work Done:** Figma designs separated and appropriately captioned then added to figma and portfolio folder on teams.

**Entry No:** 36

**Date:** 05/04/22

**Hours:**

**Thoughts:** Leanna hasn't messaged us in more than a week and hasn't supplied our team with the information I requested since she said our original plan for the funds wouldn't work. It's a bit annoying but we just continued working on our portfolio.

**Entry No:** 37

**Date:** 06/04/22

**Hours:** 3 hours - total 72.5 hours

**Work Done:** Had a team meeting to plan how to address our solutions properly to Leanna without her giving something that will hinder our progress again. We ran through some questions that she may ask and sat down working out the right responses to all of them.

Also, I found it a bit of a pain that she would come back after her long break without giving us the necessary information on email after I requested it and just chose to schedule another meeting furthering the process.

**Entry No:** 38

**Date:** 08/04/22

**Hours:** 0.5 hours - total 73 hours

**Work Done:** Team had a meeting with Barry that happened spontaneously and I wasn't able to join in time. Spent some time catching up on what they talked about.

**Entry No:** 39

**Date:** 11/04/22

**Hours:** 2 hours - total 75 hours



**Work Done:** Team meeting, went over how to explain the concept to Leanna again and

**Entry No:** 40

**Date:** 13/04/22

**Hours:** 3 hours - total 78 hours

**Work Done:** Meeting with Leanna so we can finalise our scope. Since we were all in the same room and Leanna was online. Unfortunately, I found it hard to participate in discussion as it was difficult to listen in as I can hear double (everyone is listening through headphones). But overall, the meeting was a bit rough as she shut down our solution again. We sat down afterwards to talk about what we could do next. Pete came up with a quick template on how we can overcome dealing with the funds.

Because Leanna says that her data cannot be calculated with the percentage, and reading through the raw data to calculate each sdg to find the fund overall sdg would contain a massive calculation, we came up with a new solution which was to make leanna include another template which includes weighted sdg shares for each fund. This will allow us to calculate the overall fund.

A bit frustrating that she would bring this up now considering how Taus' work didn't even consider this and that was the platform she initially wanted to use.

**Entry No:** 41

**Date:** 15/04/22

**Hours:** 1 hours - total 80 hours

**Work Done:** Spent some time creating a document to show Leanna how each calculation works so far.

**Entry No:** 42

**Date:** 19/04/22

**Hours:** 2 hours - total 82 hours

**Work Done:** Had a meeting with Leanna to discuss the document I sent her and explained to her the template that we proposed to move forward without scope.

Also since we sent her two links to test our app with, she tested it with nearly 200k shares and it crashed our app. This needs to be looked at as I never expected she would want to upload 200k shares at a time.

Afterwards, I sent another request to get an explanation on how she gets the SDG values as she never sent it through. I still stand by with my original idea that the percentage could be used which will simplify our work by a lot.

**Entry No:** 43

**Date:** 24/04/22

**Hours:** 3 hours - total 83 hours

**Work Done:** Leanna sent the calculations the other day so I spent the time analysing it.

It still wasn't very helpful as she left it a bit vague but it was enough for me to get a better understanding of her data and make an informed decision as I found that the percentage could just applied normally in the first place as opposed to what she wanted us to do...

**Entry No:** 44

**Date:** 25/04/22

**Hours:** 4 hours - total 87 hours

**Work Done:** Spent some time discussing with Chris about leanna's calculations and spent time trying to refactor the data upload app but my solutions didn't work out right.

**Entry No:** 45

**Date:** 26/04/22

**Hours:** 3 hours - total 90 hours

**Work Done:** Spent some time discussing with Chris again and looked over the document he was about to send. I worked on the data upload app again but didn't make much progress.

**Entry No:** 46

**Date:** 28/04/22

**Hours:** 2 hours - total 92 hours

**Work Done:** Looked over other alternative solutions. I spoke with chris who is very lenient with solving this problem about how I think this problem would always be there and that we need to give Leenna a hard cap on how many shares she can post instead so that we can move forward.

**Entry No:** 47

**Date:** 30/04/22

**Hours:** 2 hours - total 94 hours

**Work Done:** Had a meeting with the team to work on the data upload app

**Entry No:** 48

**Date:** 02/05/22

**Hours:** 2 hours - total 96 hours

**Work Done:** Discussing with the team about tomorrow's meeting, updates on our work and Leeannas calculations.

**Entry No:** 49

**Date:** 03/05/22

**Hours:** 3 hours - total 99 hours

**Work Done:** Me and Chris discussed with Leanna her calculations and how we will do it. Thankfully she finally got convinced to do our recommended option after a long time of bouncing us back between different methods. This all happened because we assumed she would know her data more than us but she disagreed with alot of our solutions on her data although her calculations were wrong. We thankfully found that out and convinced her that she was wrong and that we could do our method and carry on our project.

Afterwards we sent her another document outlining what we discussed and the method we will go for.

**Entry No:** 50

**Date:** 06/05/22

**Hours:** 3 hours - total 102 hours

**Work Done:** worked on the frontend and api requests for the fund table. Had an error which I got stuck on for a while but it was just a misspelling of a word. Everything works but we are having trouble with updating a fund since python is being a bit annoying.

Had a call with Chris to discuss the project and any updates.

**Entry No:** 51

**Date:** 09/05/22

**Hours:** 4 hours - total 106 hours

**Work Done:** continued work with frontend. Since fundshare couldn't work with the current setup we got two options given. Delete the whole database then post or check the db for each fundshare then delete whatever's in there to upload it again for update. Both are really bad options but considering our timeframe, we don't have a lot as I'm still implementing the frontend and Chris is the one handling the backend. I would help but I have not touched the backend much to know my way around it and I don't have much experience with python.

I hopped on Discord to discuss with Chris later on the day to update on anything and discuss how we should tackle fundshare.

**Entry No:** 52

**Date:** 10/05/22

**Hours:** 3 hours - total 109 hours

**Work Done:** Me and John worked on the data upload app and frontend

**Entry No:** 53

**Date:** 12/05/22

**Hours:** 3 hours - total 112 hours

**Work Done:** Spent some time doing code reviews on the latest push on the backend and ran through some errors with the migrations and unused modules. Got it working at the end of the day and requested those changes.

**Entry No:** 54

**Date:** 13/05/22

**Hours:** 5 hours - total 117 hours

**Work Done:** With the latest push on the backend, I spent some time connecting it with the frontend. Me and the team spent some time making some final changes pushing everything to heroku.

**Entry No:** 55

**Date:** 14/05/22

**Hours:** 4 hours - total 121 hours

**Work Done:** Meeting with the team to discuss poster and portfolio task allocations

**Entry No:** 56

**Date:** 15/05/22

**Hours:** 6 hours - total 127 hours

**Work Done:** Tested some big files on the heroku app and found that it exceeds a time limit, therefore failing to post at times. Found a few errors and partially fixed it on the same day. We are on the cheapest heroku plan so I'm guessing heroku can't handle our post or get requests.

**Entry No:** 57

**Date:** 16/05/22

**Hours:** 3 hours - total 130 hours

**Work Done:** Me and the team tried mob programming and working on the backend.

**Entry No:** 58

**Date:** 19/05/22

**Hours:** 2 hours - total 132 hours

**Work Done:** Meeting with barry

**Entry No:** 59

**Date:** 25/05/22

**Hours:** 3 hours - total 135 hours

**Work Done:** Worked on formatting the portfolio. I Chose to continue using notion to export as an html.

**Entry No:** 60

**Date:** 29/05/22

**Hours:** 4 hours - total 139 hours

**Work Done:** Spent some time gathering all the files and adding them on teams so that I can upload it to the portfolio.

**Total Hours:** 300