

WGC Scrum Documentation Guide

v1



Document guide

	Planning and research
	General development evidence
	Scrum and agile activities
	Testing and trialling evidence
	Trialling components



Initial planning



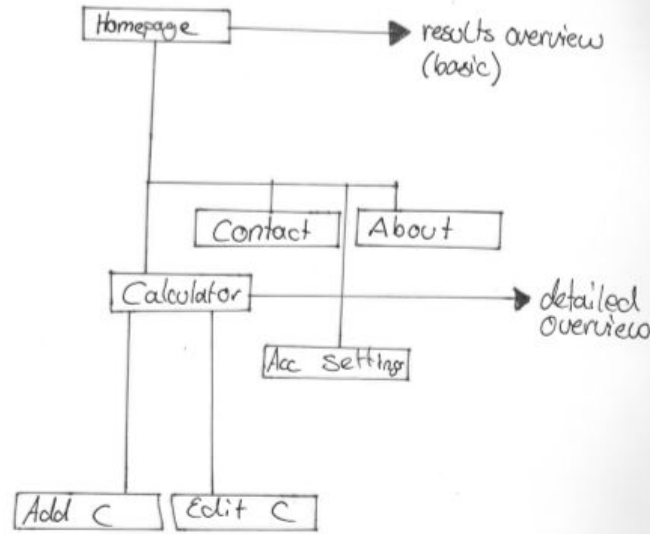
Breakdown of components

- Adding standards
- Adding grades connected to standards
- Viewing how many for each level you have / left
- Viewing how many i.e. literacy, numeracy, UE writing, UE reading, ... you have left
- Editing and deleting credits
- User system



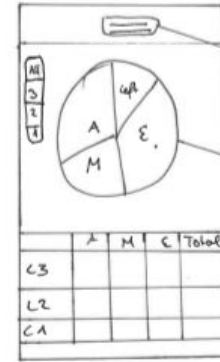
Concept sketches

Sitemap



login sketch

Sketches



Homepage

- opens the home menu / pop up for chart of credits.
- pie chart (switch to change levels / total)

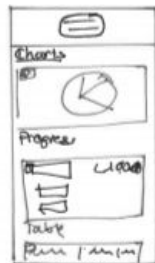
Issues:

What about the credits left? How do I know which level on?
 → left only on levels, not on total

Contact / About

- just text

Concept sketches

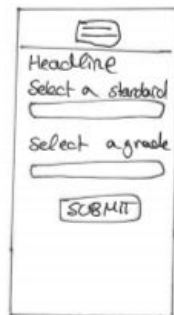


Detailed Overview

- Pie Charts (drop/spoiler)
- Chart on
 - UE
 - L3
 - L2
 - L1
 Alt
 Sum
 Subject
- List of Credits/Assessments

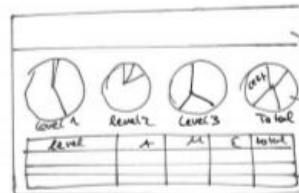
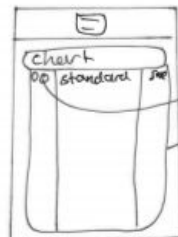
Add Credits

- Form
 - Standard
 - Grade



Edit Credits

- Buttons: Delete, Edit (leads to alternative of Add credits)
- Chart of all Credits



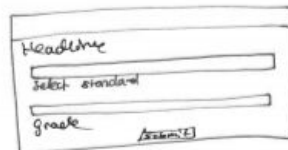
Homepage

- Menu
- Pie charts
- overall credits



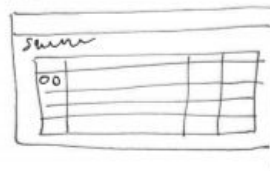
Detailed Overview

- Charts for pie thing (see above / home page)
- Progress calculator
- table of standards



Add Credits

- see phone ver

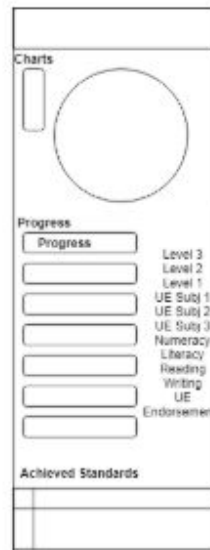
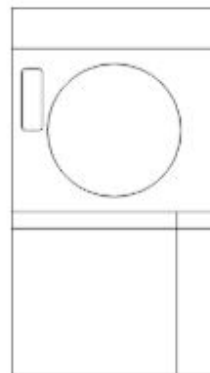
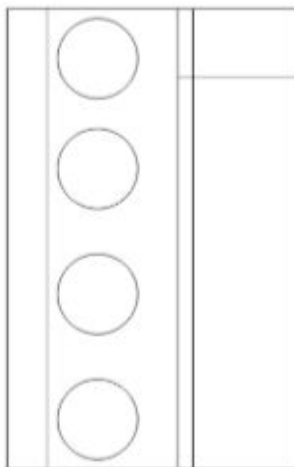
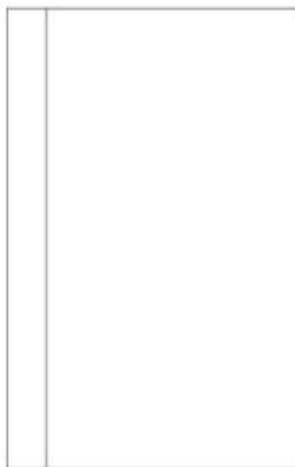


Edit Credits

- see phone ver

Actually Wireframes

Wireframes (Plans / Ideas)



The chart can be expanded into all charts below each other as well as be used on a tablet

The boxes next to the descriptions are progress bars, and they have the numbers next to them: L3, L2, L1 are given (although adding in two credits from other levels might be a bit difficult, it can be done). UE subjects take all approved subjects, count them together and check which has the most (and if there are 14).

Numeracy, Literacy, Red, Writing looks at the True/False statements respectively, while UE looks at L3, the UE Subjects, Num & Read/Writing. It counts each as 1, and only adds them if they are done (for now?)

Endorsements are given

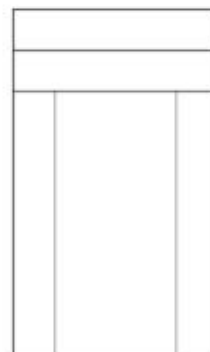
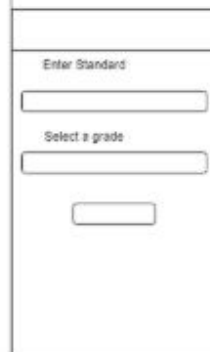
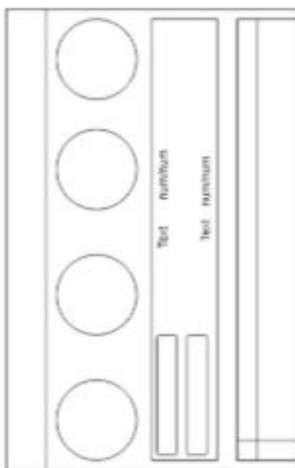


Table with standard, grade and ability to delete (sends query), refreshes! & Edit (leads to Add credits but lowkey different?)

Personas

Personas



Lia Taylor, 18yo,
female from
Wellington

Goal: good grades

FRUSTRATIONS:

- doesn't like the fact that she can't play around with stuff (i.e. include how she expects exam results)
- Time frame between results & kamar showing them
- Lack of control over things

PERSONALITY: sarcastic,
cynical gen Z, overachiever



Theodor Silverstone,
16yo, male from
Auckland
Goal: enjoy life, no
stress

FRUSTRATIONS:

- parent portal & NZQA are difficult to use because too much information in bad design
- Nagging parents
- Would like to show tweaked grades

PERSONALITY: Lazy, bored, not
interested at school



Mum Ashley Liams, 59yo, female,
from Wellington

Goal: Help children at school,
Understand how children are
doing

FRUSTRATIONS: most info is not at the same place and
spread over the internet, not good with tech

PERSONALITY: busy, chilled, friendly

(all persona images taken from Pinterest)



Competitor Research

Competitor research

Parent Portal

Strengths <ul style="list-style-type: none">• "Official" version, told to use by teachers• Further information on i.e. attendance → common access	Weaknesses <ul style="list-style-type: none">• Terrible mobile design• Not multiple pie charts
Opportunities for me <ul style="list-style-type: none">• Everyone wants three pie charts• Terrible mobile design	Threats it poses to me <ul style="list-style-type: none">• Official• Lack of ability to enter credits = error safe

Parent Portal is good at being quickly accessible due to being linked on wgc.school.nz. They are the official version and also include attendance etc., but my app does not include so much information, making it easier for the user to have an overview. Especially at the beginning, I found that I personally often was confused by parent portal, which my app will not do. My app will also provide a more detailed summary, and multiple pie charts that everyone wants.

NZQA

Strengths <ul style="list-style-type: none">• Completely official• In the end definitely does it right because NZQA knows how NCEA works	Weaknesses <ul style="list-style-type: none">• Mobile design is bad & no pie charts• Takes time for results to show up• Clouded with other information
Opportunities <ul style="list-style-type: none">• More minimalistic design• Mobile design, again	Threats <ul style="list-style-type: none">• Official & definitely correct

Learner's Login is terrible to be used on mobile; I can do better. I aim to provide a website that allows people to enter their own data and have control over it; people are also not required to wait until the results to show up as they can enter their own data.



Previous User Testing

User testing

Test 1: Hana Reeve I

This feedback was provided by Hana Reeve who tested the website by entering her grades of a given standard. To solve this, I added a notice (if they successfully entered data) stating that they can find the entered standard under /overview. This is her feedback: *It was easy to use in terms of putting in my grade, although it was a little hard to check that it was entered as I didn't know that it would show all my standards in overview, however I think that users would not have a hard time figuring out it was there if they did not have Ela with them.*

Test 2: Hana Reeve II

Task: Enter credits for a given standard.

Notes by Hana	Discussion with user	Changes based on testing feedback
I feel like there should be something above the top kine, even if just a photo/ nav	n/a	- I will add a nav
All credits has no pie chart but the others have one each saying "no credits done / left 100%"	Discussed the purpose of the All Credits pie chart.	- I will add a banner stating "You have no credits!"
I don't <u>wanna</u> copy the description or find the credits <u>i'm</u> lazy. Also how do ik if it's lit or num or ue. Why ask me to find it if it's really hard to find at least give instructions	Discussion about the purpose of the description field.	- I will add a more informative descriptions.
My success is red. Same colour <u>as original</u> message so i pass over it.	n/a	- I will change the colours of the button.

Test 3: Astrid Harris-Glasier

Task: Enter credits for a given standard.

Notes by Astrid	Discussion with user	Changes based on testing feedback
I don't know where to enter the grade after adding the standard	n/a	Change the nav description to "Enter Grade"
Design looks similar to Parent Portal	"This isn't a problem."	This is actually positive; the similarity helps in reading the website when you haven't gotten used to it.



Scrum planning

Ela Spies - June Fun Times

☆

Personal

Private

MS

Invite

Show Menu

Backlog & Ideas

In main(), would it be faster to call login_page() or redirect('/login')?

Python expects bol for the message, colour parts. Issue? It's a dynamic language...

How can I make these pop up alert thingies for deleting your account or standards?

Consider captchas

~~Do I need to edit EVERYTHING accessible to pass the standard/s? For priority jobs~~

It's possible to enter multiple standards with the same name as user?

So I deleted the database and reworked everything. grade_get = True Try: standard_name = old_version[0][1] except IndexError: grade_get = False grade = "NA" These lines may now not be necessary (around 450) and need to be reconsidered in the future. I've added that to the backlog.

+ Add another card

Primary To-Do List

UX
OVERVIEW: Improve piecharts

UX
OVERVIEW: Add barcharts

UX
Change the alert boxes so they only appear if the alert itself exists.

Issue
ERROR HUNT: Test all <message> changed parts in detail.

+ Add another card

Secondary To-Do-List

UX
MISC: Contact form to send emails to me

UX
CSS: Prettier style

Database UX
CONSIDER: Adding subjects [for easier overview in Add Credits & 14 Credits / subject for UE]

Database UX
Consider Ajax

UX
Delete the gallery.

Database UX
Email Contact

UX
CSS: Maybe use these card thingies for the possible options on settings. Or make another mini menu.

UX
Aria lables for everything

More accessibility

+ Add another card

Done :party:

Database UX
SYSTEM: Change the URLs not to include the /<message> part (no ? or <>)

Database UX
CREDIT STORING: Edit existing standards

Database UX
CREDIT STORING: Edit existing credits

Issue
When selecting * from standard (get_standard_query), the [1] element is a mysterious number that I can't trace back anywhere?

Database UX
ACCOUNT SYSTEM: Password encryption

Issue
I got the change password function written down, but like... it doesn't work??

UX

+ Add another card

On-Going:

UX Stretch
Buttons for editing/deleting

Issue
DOCUMENTATION FOR ASSESMENT

Database UX Stretch
CREDIT STORING: List of entered standards (as a spoiler-ish thing beneath existing grades?)

+ Add another card

Errors in Current Circle

+ Add a card

Sprint 1:

Change username feature
(27/07/2019 - 30/07/2019)

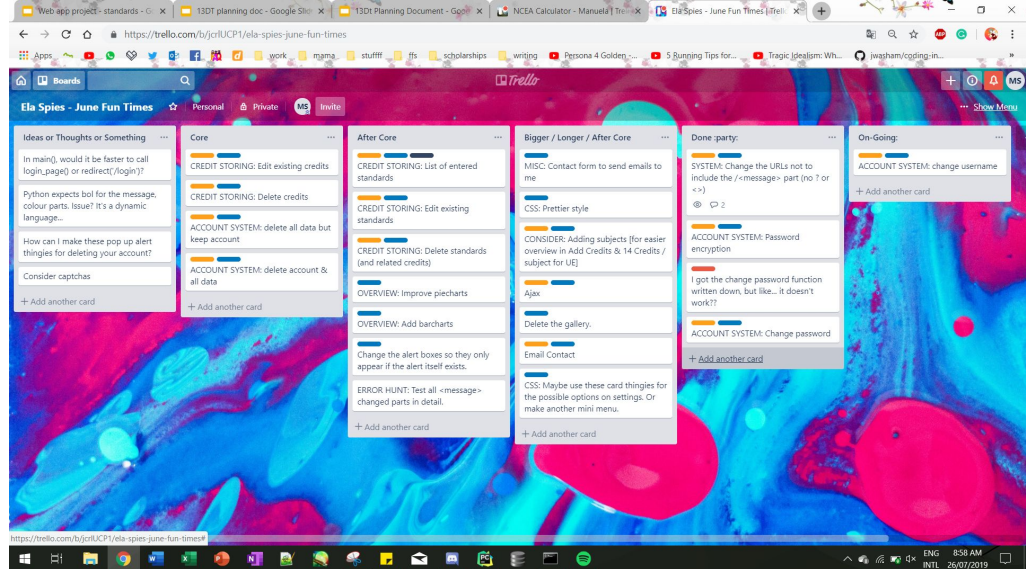


Sprint/version goals

List

Screenshot of project board

Pictures of planning



Goal: function to change username



Design

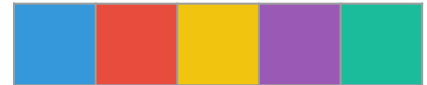
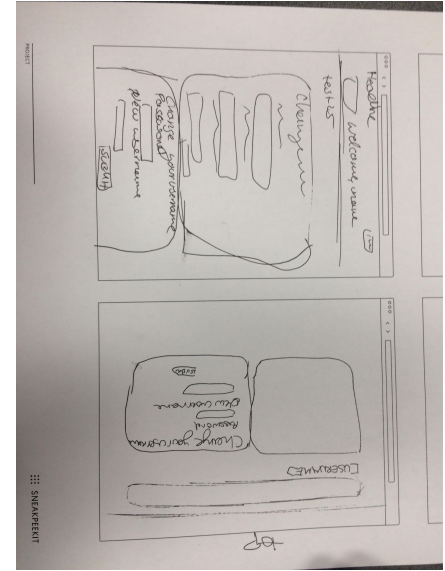
Concept sketches

XD

Mockups

Inspiration

As of now, the design of the 'change username' function is mean to be the same as the design for the 'change password' function, meaning the basic bootstrap layout of forms.



Trialling components

Screenshots of different
components you tried

Comparing multiple
components

Explaining which component
you chose

The design was previously established. Therefore, there are no different components as of now. I want to maintain a design style. If the design was to be altered, all of the /settings page would be.



Testing

Code validation

User testing

Accessibility testing

- Code validation was error-less
- User feedback by Hana Reeve:
 - Very easy to do → it would be good if you displayed your current username in the form
 - Suggestion: change order to password to the bottom, original username at top and the 'new username' box in the middle
 - That feedback was taken and the username was added to the form.
- Accessibility testing
 - As per user feedback, the current username was bolded, so it's easier to see and stands out, even if you skim the site.
 - The colours maintain the scheme of the rest of the website which previously has been deemed to be adequate.
 - Google Chrome Lighthouse Test Thing:
 - I was reminded of accessibility labels i forgot (title, aria labels). I researched where I needed them.

Document checking completed. No errors or warnings to show.



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

On /settings, there is now an feature to change your username.

The user can change their username to anything BUT existing usernames and "".

The new feature is fully completed.

Problems:

- Error with the check_password() function (Solved)
- Error with the login checking (Solved)

Possible innovated CSS design has been added to the trello board.

Change your username

Your current username is **1001**.

New Username

Password

Submit



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

- Ended up doing HEAPS of editing with the `login_check()` → got off topic
- Ultimately achieved goal
- Process worked well in the basic, but feels time-consuming → I don't have the motivation to do it in class as I don't have 'unlimited' time to work on it before my focus is cut off & I also tend to get off topic with other things in the code
- The CSS design could be improved → this is a point on the trello board itself



Sprint 2:

Delete account feature
(30/07/2019 - 05/08/2019)



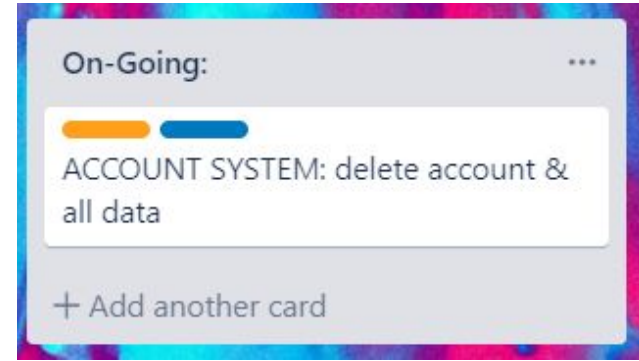
Sprint/version goals

List

Screenshot of project board

Pictures of planning

- Form on the /settings to allow the user to delete their account entirely from the website



Design

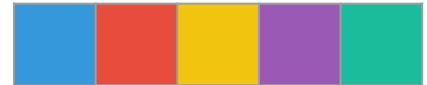
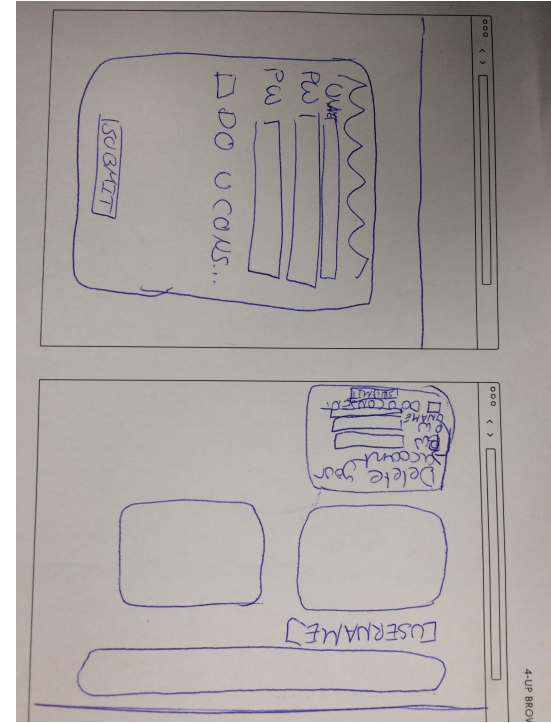
Concept sketches

XD

Mockups

Inspiration

As of now, the design of the 'delete account' function is mean to be the same as the design for the 'change password' function, meaning the basic bootstrap layout of forms.



Trialling components

Screenshots of different
components you tried

Comparing multiple
components

Explaining which component
you chose

The design was previously established. Therefore, there are no different components as of now. I want to maintain a design style. If the design was to be altered, all of the /settings page would be.



Testing

Code validation

User testing

Accessibility testing

- Code validation done
- Pattern for accessibility copied from previous work
- User testing:
 - 'Seems fine'
 - Check box rather than type in? Stylistic thought. → typing in means that they need to properly check what they're doing

I thought the same for the check box / typing in aspect and thus decided to keep the 'type your username here' part.

Document checking completed. No errors or warnings to show.

Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

I've added a feature that allows you to delete your account and all attached data. It requires you to 'log in again' (with the password twice) and to enter 'yes' in order to pass. All data related to the user is deleted.

Problem: 400 Bad Request (server uses GET instead of POST) took a lot of time and I still don't know what I did to fix it, but apparently, I fixed it.

Besides updating the CSS design (which I plan to do when I finish adding all the features that I deem as absolutely necessary), there is nothing to add to the backlog.

Delete your account

The account you are using is **me**.

Username

Password

Repeat Password

Do you agree to delete this account? (Type YES)

Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

This time, I stuck much better to the plan, which can be contributed to the fact that I just had to copy & paste a lot of content from the previous sprint. The goal thus was achieved within a few lessons; the only problem was getting someone to test it.

This time, the process worked perfectly fine, although, because I just changed the code of an existing feature, I do acknowledge that I did not use all the extent of the process. I believe a genuine assessment can only happen when I work on a completely new feature.



Sprint 3:

Delete data feature
(05/08/2019)



Sprint/version goals

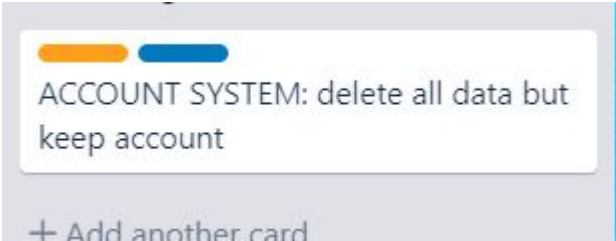
List

Screenshot of project board

Pictures of planning

This feature will be looking quite similar to the 'delete account' feature, as it will do the same without deleting the user's data in the user table. This will allow them to restart without having to delete their account.

- Code (python & sql)
- Form on /settings



ACCOUNT SYSTEM: delete all data but keep account

+ Add another card

Design

Concept sketches

XD

Mockups

Inspiration

As of now, the design of the 'delete data' function is mean to be the same as the design for the 'change password' function, meaning the basic bootstrap layout of forms.

I am doing this because I know that I take a lot more time to use CSS and prioritise the usability of the website in general over just having one pretty feature.

I do intend to add a note among the lines of 'The account you are using is **[username]**. You cannot restore your data once you delete it. You cannot restore your data once you delete it. This includes all standards and grades you have entered.' to remind the user what they're doing.



Trialling components

Screenshots of different
components you tried

Comparing multiple
components

Explaining which component
you chose

The design was previously established. Therefore, there are no different components as of now. I want to maintain a design style. If the design was to be altered, all of the /settings page would be.




Testing

Code validation

User testing

Accessibility testing

- Code validation came back without errors
- Accessibility was copied from previous feature which worked
- User testing:



Document checking completed. No errors or warnings to show.

Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

The new feature allows the user to delete all data from their account, except the existence of the account itself. Everything was completed and there were no problems.

I intend to improve on the CSS once I get to that part.

Delete your data

The account you are using is **you**.

Password

Do you agree to delete all data? (Type YES)



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

This sprint was literally copy & paste + deleting a few lines from the last. I can assure that there were no complications.



Sprint 4:

**Lists of Standards & Editing/Deleting them
(06/08/2019 - 12/08/2019)**



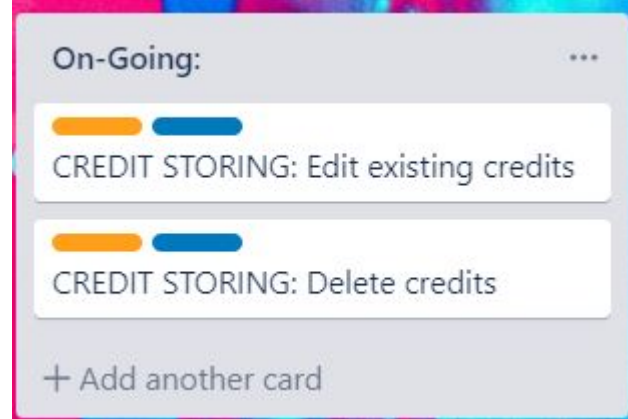
Sprint/version goals

List

Screenshot of project board

Pictures of planning

- List of existing standards
- Delete existing standards
- Edit existing standards



This week (06/08 - 12/08), I will be working on a list of the existing standards, and an ability to delete each of them. This will require to decide where the edit/delete button will be, where the list will be etc., as well as finding a button I like.



Design

Concept sketches

XD

Mockups

Inspiration

Overview:

TH					
TR				<input type="radio"/>	<input type="radio"/>

delete button (bin)
edit button (pen)

same as add-standard but pre-selected

NCEA Standard	
ASID Num	<input type="text" value="10111111"/>
Description	<input type="text" value=""/>
Credits	<input type="text" value="2"/>
NCEA Lev	<input type="text" value="Lev 2"/>
UE Redc	<input type="radio"/>
UE writ	<input type="radio"/>
LA 214	<input type="radio"/>
LA Num	<input type="radio"/>
Grade UE	<input type="radio"/>
Grade	<input type="radio"/>

yes no



Trialling components

Screenshots of different components you tried

Comparing multiple components

Explaining which component you chose

For the buttons, I wanted an actual icon. The website flaticon appears to offer them for free. This is the Selection of icons I considered, and I will probably chose Pencil Nr 5 and the first bin on the upper line. This is because both look similar, don't have colour (I don't want them to stand out too much/be distracting).



S



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Testing

Code validation

User testing

Accessibility testing

- Entered standard + grade, deleted it, checked if still existed in template → Input testing.
- Kind of input testing: What if the URL is not from the website and the standard doesn't exist? → Error. Has not yet been solved due to time.



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

I added the note 'pop up before deleting' to the backlog, and the 'add grade' as well.

However, I did not managed to implement the edit function; only the delete function works. This was, as stated before, due to the exam workload. I did not get around to choosing and implementing a button either.

I did not encounter any major problems.



Delete - Edit

Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

Due to the approaching exams, I decreased the workload from what I originally planned (also including achievements/grades) to only this. I do acknowledge that if I worked outside class, I could have done more, but I preferred using that time to study for other exams. I also noted that we would spend a double on discussing the DT exam, meaning there would be less time in class. I was aware of the fact that I had gotten used to little work (the previous sprints had been small copy & paste-able features) and therefore, this would take a lot more concentration and time either way.

During the process of creating the 'edit' form, I realised that it would have been easier to just save the grade with the standard, since there now is no pre-generated standard form anymore. However, since I am still considering having a table for every standard or similar, I will not be changing this all.



Sprint 5:

**Editing/Deleting Standards
(26/08/2019 - 02/09/2019)**



Sprint/version goals

List

Screenshot of project board

Pictures of planning

In order of importance:

1. Add grade with standard feature [Monday]
2. Editing standards [Tuesday]
3. Add the buttons [scale / vector] [Thursday]
4. Addition of list of standards [Friday]



Design

Concept sketches

XD

Mockups

Inspiration

Overview:

TH					
TR				<input type="radio"/>	<input type="radio"/>

delete button (bin)
edit button (pen)

same as add-standard but pre-selected

NCEA Standard	
ASID Num	<input type="text" value="10111111"/>
Description	<input type="text" value=""/>
Credits	<input type="text" value="2"/>
NCEA Lev	<input type="text" value="Lev 2"/>
UE Redc	<input type="radio"/>
UE writ	<input type="radio"/>
LA 214	<input type="radio"/>
LA Num	<input type="radio"/>
Grade UE	<input type="radio"/>
Grade	<input type="radio"/>

yes no



Trialling components

Screenshots of different components you tried

Comparing multiple components

Explaining which component you chose

[List of not achieved standards] The grades are selected through the same query as the standards? Separate (no grade // graded) would be easier (+ allow the spoiler) but what'd be faster? Ask. → Outcome: separate. While this wasn't actively trialled, I wrote out both code bits and asked for the opinion on which one would be faster. This decision was made based on speed.



Testing

Code validation

User testing

Accessibility testing

I only used input testing, as I was still figuring out the function and it did not work entirely. See sprint review on issues there.



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

Problems:

- Mixing grades & standard adding question
- Discovered that I only deleted standards, not grades (fixed)

I was able to add the 'grade with standard' feature and from the looks of it (it's not been thoroughly tested yet), it works well. This took longer than expected though.

When I tried to add the 'edit standard feature' I struggled to figure out how to put the previously existing data into the form. Online research didn't tell me how to add previous input. I figured most out eventually, but the radios remained an issue.

The implementation of the 'edit' feature took far longer. An issue is updating the grade, as that currently works connected to the AS ID, not the standard's database ID. I can either do the good thing and change the whole code to be based on the standard's database ID, or avoid it.



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

So I deleted the database and reworked everything.

```
grade.get = True
try:
    standard_name = old_version[0][1]
except IndexError:
    grade.get = False
    grade = "NA"
```

These lines may now not be necessary (around 450) and need to be reconsidered in the future. I've added that to the backlog.

Ultimately, I ended up running into code issues etc. that delayed the process, as I had to remodel the database.



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

My goals were still more than I had expected, due to me needing to remodel the whole code. I did implement the basics but there are various errors/issues that I need to deal with.

I need to get better in setting myself goals.



Sprint 6:

Fixing bugs.
(02/09/2019 - 09/09/2019)



Sprint/version goals

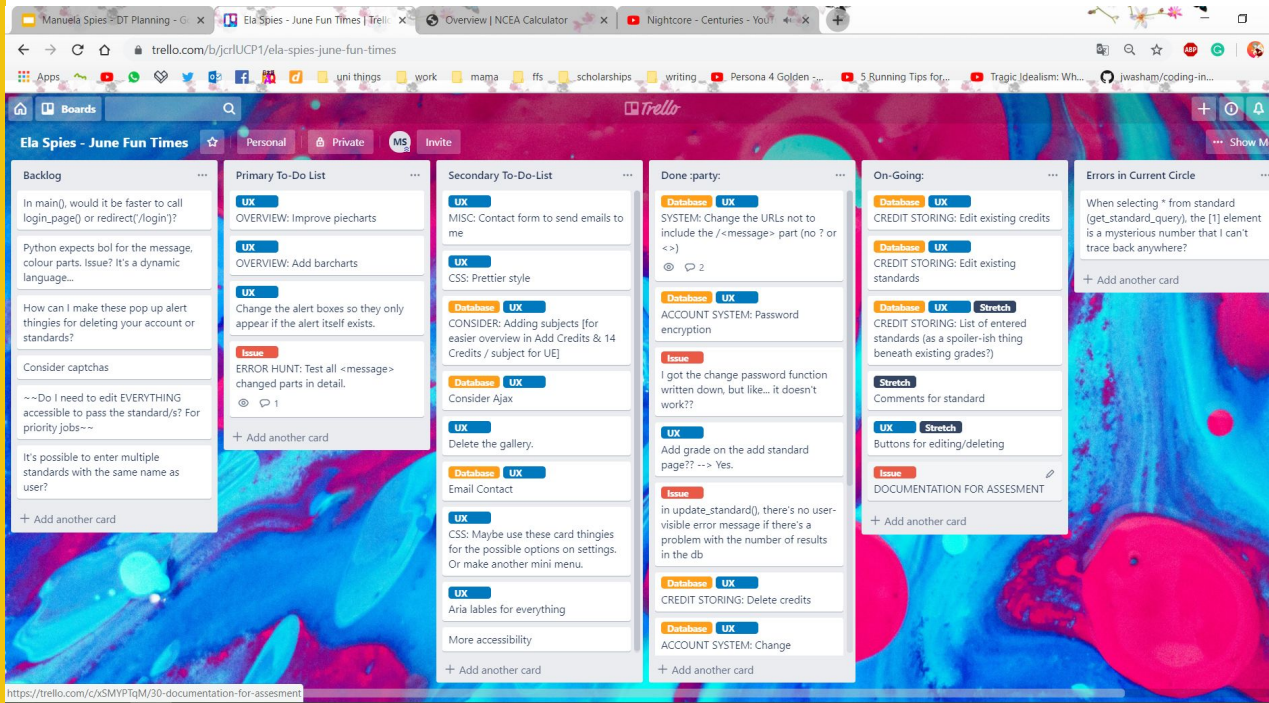
List

Screenshot of project board

Pictures of planning

Goals:

- Fix issues from last week
- Documentation for assessment (on-going)
- Stretch goal: comments
- Stretch goal: List of existing standards without grade



Design

Concept sketches

XD

Mockups

Inspiration

Overview:

TH					
TR				<input type="radio"/>	<input type="radio"/>

delete button (bin)
edit button (pen)

same as add-standard but pre-selected

NCEA Standard	
ASID Num	<input type="text" value="10111111"/>
Description	<input type="text" value=""/>
Credits	<input type="text" value="2"/>
NCEA Lev	<input type="text" value="Lev 2"/>
UE Redc	<input type="radio"/>
UE writ	<input type="radio"/>
LA 214	<input type="radio"/>
LA Num	<input type="radio"/>
Grade UE	<input type="radio"/>
Grade	<input type="radio"/>

yes no



Trialling components

Screenshots of different components you tried

Comparing multiple components

Explaining which component you chose

Possible error messages for `update_standard`:

- Database error on Overview
- Redirect to `add_standard()`

“There is an error with the database. Please contact the administrator and inform them that there is more than one result of one standard id in the results table.”

→ Given the nature of the function, I chose to add this to the overview table versus reloading the edit-standard or add-standard. This was because all other outcomes redirect there. This meant that I had to add a message option to the overview page, but that’s comparatively little work.



Testing

Code validation

User testing

Accessibility testing

Update standard:

- Deleting continues to work
- Updating content without a grade (NA) -- works?
- Updating content without a grade change -- some form of issue?
- Updating anything -- issues! definitely!



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

I definitely needed help with fixing the error concerning the mysterious 'change assessment name to zero' issue.

However, due to this, I was able to comment the whole of app.py. I also intended to follow through with my 'button' stretch goal, but noticed that in order to use the icons I intended to use, you'd need to add a little line beneath the icon giving copyright. I can't afford buying the license to use it without, and therefore had to look for new ones.

In the end, it turned out that the issue was a tiny little SQLite thing and I've learned not to use ANDs when updating tables now. It's very unfortunate that I lost multiple weeks working on this error, but it works now.



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

I ended up discovering an issue with a stretch goal (icons), completed the commenting in app.py, and finally fixed the error in updating standards, allowing me to now deal with the testing. Here, the scum process didn't work that well, because merely focusing on that meant I spent a lot of time on an error. However, I would have done that either way, and having the stretch goals helped distracting me (since they were entirely different). I want to keep having different stretch goals.



Sprint 7:

Testing & Documentation
(09/09/2019 - 16/09/2019)



Sprint/version goals

List

Screenshot of project board

Pictures of planning

- Testing the inputs of the program + fixing errors ☐
- Database diagrams ☐
- Stretch goals
 - if all working, run all pages through validation
 - Code validation ☐
 - Accessibility validation ☐
 - revisit documentation (sprint power point, ...) + make fit for documentation
 - User testing ☐
 - evaluation outlines ☐



Design

Concept sketches

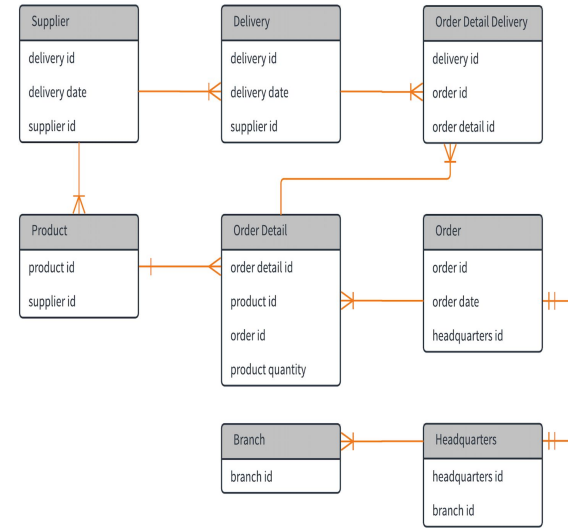
XD

Mockups

Inspiration

The inspiration for my entity relationship diagrams was this diagram, which I found on Google

(<https://lucidchart.zendesk.com/hc/en-us/articles/360000478183-Template-Entity-Relationship-Diagram>). I did a little bit less design on it, due to the time constraints and have less tables, and also added a few more information though.



Trialling components

Screenshots of different components you tried

Comparing multiple components

Explaining which component you chose

- It was possible for users to have multiple standards with the same name:
 - Keep it that way, allowing the user more freedom.
 - Only allow it if descriptions are different.
 - Make it impossible.
 - I chose to make it impossible. While it may, theoretically, be useful for i.e. derived grades (0 credits, ...), I need to be able to cater to people who may make mistakes or overlook that. People who are quick to grasp websites will understand why it's impossible.



Testing

Code validation

User testing

Accessibility testing

- Input testing (see documentation)
- Code validation:
 - HTML errors on: enter_standard.html → issue with form and IDs. The error doesn't actually alter the usability at all, but I fixed it.
 - Accessibility:
 - Login.html, register.html, settings.html -- some labels not connected to input
 - Issues with contrast of buttons and the 'contact' link in the footer. I chose to not change this, though, as this would require me to change something from bootstrap, and given how often Bootstrap is used, I would assume that it's usable and OK.
 - Contrast of login button: I changed to 'btn-light'.



Testing

Code validation

User testing

Accessibility testing

User testing (Hana Reeve)

- pressed enter to register but didn't work that's more of a me thing tho
- what register is a link?! not obvious
- Why is there both submit and login if submit logs you in?
- Is this like register again. still confusing
- Overview is very clear and looks easy to keep track of
- I think a dropdown for NCEA level in new standard would look better

The dropdown for NCEA has previously (see term 1 documentation) been considered and ignored, as technologically illiterate people may not realise that they are able to change the level.

The register part is based and inspired by other websites I have seen. However, I have considered this feedback and will look at it in the next sprint.



Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

- The input testing was completed and issues were fixed.
- Database diagrams are completed and Mr Harford said that the ERD was correct.
- Running websites through validators.
 - PythonAnywhere did not update, and I was unable to log in (it gave an internal error that doesn't appear when I run it on local host); I therefore couldn't run through accessibility entirely through a validator.
 - This was fixed through the Chrome add on.
 - Code validation was done.



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

I achieved both of my main goals, as well as multiple sprint goals. I'm quite happy with my results!



Sprint 8:

**Finalising internal + user feedback application
(16/09/2019 - 19/09/2019)**



Sprint/version goals

List

Screenshot of project board

Pictures of planning

- Register button
- Finalize internal documentation



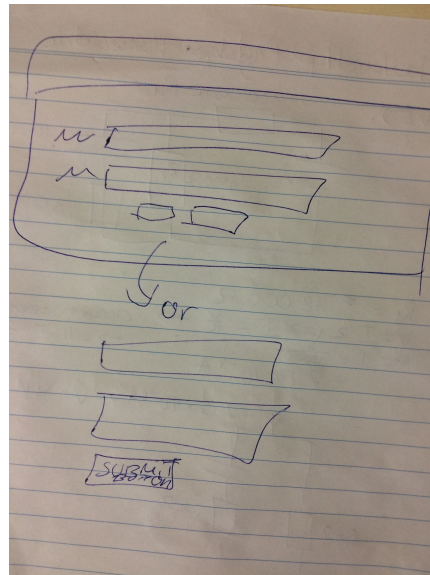
Design

Concept sketches

XD

Mockups

Inspiration



Trialling components

Screenshots of different components you tried

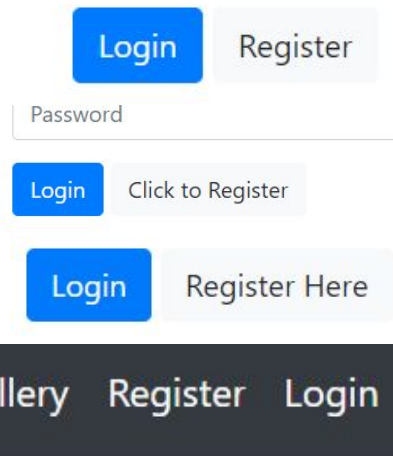
Comparing multiple components

Explaining which component you chose

- Current register button
- Change writing
 - “Click to Register”
 - “Register Here”
- Change entirely
 - Only in menu

I decided to change it, based on the previously given feedback. I don't like just having it in the menu where it may be missed, and therefore decided I wanted to change the writing on the button.

‘Click to Register’ and ‘Register Here’ both worked equally well, but I prefer Click to Register over Register here.



Testing

Code validation

User testing

- Code validation of /login -- errors were fixed.

Document checking completed. No errors or warnings to show.

Source

1. **Error** Bad value for attribute for on element label : An ID must not be the empty string.

[From line 62, column 17; to line 62, column 76](#)

```
<label class="col-4 col-form-label" for id="login-password">Passwo
```

2. **Error** Duplicate ID login-password.

[From line 64, column 19; to line 65, column 66](#)

```
<input id="login-password" name="login-password" placeholder="Password" type="password" class="form-control" required="required">
```

3. **Warning** The first occurrence of ID login-password was here.

[From line 62, column 17; to line 62, column 76](#)

```
<label class="col-4 col-form-label" for id="login-password">Passwo
```

4. **Error** The value of the for attribute of the label element must be the ID of a non-hidden form control.

[From line 62, column 17; to line 62, column 76](#)

```
<label class="col-4 col-form-label" for id="login-password">Passwo
```

Sprint review

Screenshots of new features

Description of what is new

Description of what wasn't completed, and why?

Did you encounter any problems (in development, testing, other)?

Is there anything you want to add to the project backlog?

Password

Login

Click to Register



Retrospective

How well did you stick to your plan? Did you achieve all your goals?

Is the scrum/sprint process working for you? If no, what could you change to make it work?

How could you improve how you're working?

