Group 10 - Project Meeting Notes

Nicholas Cowling, Wahab Rahmen, Zoheb Malik, Nicholas Higson

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# Client Meeting – 02/02/2021

Reason scheduled:

* To better understand the requirements to create accurate, detailed user stories
* To find the location of data required for the database

Prepared questions:

1. What is the “experimental data” – what type is it (this is answered in the assignment already)
2. Where can we obtain this initial data regarding cardiomyopathies
3. What type of queries do you wish to perform on the stored data on cardiomyopathies?
4. What other already existing related databases exist that can provide additional useful information regarding cardiomyopathies?
5. What part of this data do you wish to be displayed in a graph/plot?
6. What type of graph/plot do you want? Line graphs, bar graphs, pie charts, scatter plots, histograms, cartesian graphs? Or shall we determine that ourselves simply based on the type of data
7. Any other specific features (to satisfy marking criteria – 5 marks) do you want on the site besides:
   * querying of data
   * storing of data
   * querying other existing related databases
   * graphs and plots for visual aid

Answers:

* Refer to files client provided during meeting. Contains answers to all of above and more

Who Attended:

* Nicholas Cowling
* Zoheb Malik
* Nicholas Higson
* Wahab Rehman

Useful links:

For turning graphs (maybe from the pdf’s given) to data:

<https://www.digitizeit.xyz/>

<https://markummitchell.github.io/engauge-digitizer/>

<https://www.youtube.com/watch?v=UjV1n8CaG_E&ab_channel=RichardHarrison> – Example of using engauge-digitizer

Website endpoints:

<https://omim.org/api> - waiting for an api key

<http://www.informatics.jax.org/software.shtml#mgiws> or/or <http://iodocs.apps.intermine.org/mgi/docs#/> – possible API, also bulk data access

<https://www.ncbi.nlm.nih.gov/home/develop/api/>

# Team Meeting – 04/02/2021

Reason scheduled:

* To solidify the dates of the Scrum standups / Sprint cycles
* To create stories for the trello board
* To decide what stories to bring into the first sprint

What happened:

Team came together and set the timeframes for each sprint (5 days per sprint). More stories were added to the trello board, and the stories to be tackled in the first sprint was decided. Scrum team stand-ups are at 3pm daily for 10 minutes, and the first sprint ends on Monday 9th February at 3pm. Zoheb will start working on the design of the UI; Nick C and Nick H will start working on researching on the research into the data sources / possible endpoints; Wahab will start working on the login functionality.

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman

# Team Meeting – 09/02/2021

Reason scheduled:

* To come to an end on sprint 1, and starting sprint 2
  + Sprint retrospective
  + Sprint planning
    - User stories

What happened:

Team reflected on the past sprint and spent time with product backlog refinement for the user stories, and sprint planning for the next iteration. The stories we decided to bring in are:

* Rough UI & Navigation design
* Add view for specific Graph
* Research into data sources
* Adding a notification system
* Changing input types for insertion of data
* Getting the data from PDF graphs
* Adding data
* Login functionality
* Resetting password
* Email Verification on Sign-up

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Team Meeting – 14/02/2021

Reason scheduled:

* To come to an end on sprint 2, and starting sprint 3
  + Sprint retrospective
  + Sprint planning
    - User stories

What happened:

Team reflected on the past sprint. It was overall a productive sprint as we managed to complete the stories that were brought in. The next stories we came up with in product backlog refinement / user stories creation after looking at the functional requirements specification, were:

* Adding the ability to see the selected CSV file on selection
* Adding a loading icon to asynchronous operations
* Ordering the global dashboard by newest first
* Querying internal data currently stored in firestore
* Adding a pagination system for the graphs
* Focusing on UX for existing and future planned functionality
* Concept design for the graph information on dashboards
* Styling the add graph page

Duration: 1 hour 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Client Meeting – 17/02/2021

Reason scheduled:

* To go over the dashboard
  + design by zoheb
  + other ideas
  + and pagination
* To go over the implementation of add graph
  + does it satisfy the requirements?
  + Should the dropdowns be extended?
* To go over the graph details (its not designed yet) to discuss what it should contain
  + External api information
* To go over the query system
  + Should we search by both, or just by either/or?
  + External api information
  + Pagination

What happened:

Overall, the client was happy with the progress made on the website so far.

He is happy with the authentication system that is currently in-place.

The home page for logged in/non-logged in users can have static information on what the website is about and other useful information. If it is possible to connect to a news feed that would be even better.

For the dashboard

* The client wants to redirect to the global dashboard on sign-in, and there should be a user dashboard that shows just that user’s graphs. (With component reuse, this should be very easy to do, we can simply remove the .where() method for the global dashboard
* The global dashboard should order the graphs by newest first
* After showing Zoheb’s design, he is happy with that style to be implemented.
  + We will have 1 graph pagination and pressing a left arrow or right arrow will move them onto the next graph.
  + For each pagination the user is currently on, the right div box will show the firebase information currently stored, such as the cardiomyopathy type, paper, and so on.
  + External API information doesn’t have to be shown on the dashboards, only when querying information
* For the users dashboard, we should have a delete button available to use, which prompts if they are sure they wish to delete that data

The graph details page is fine with the information already on it – it just requires styling and to add the delete data button on it. We do not need to show external API information here.

The client was happy with the add graph page in general.

The client would prefer the notification to be prompted in the middle of the screen, or somewhere more noticeable. It is currently working by a 5 second timer, so for better UX / UI I think it would be better to place at the top of the screen, below the nav bar – maybe with a transition to appear there.

The query system needs to be adapted to search by both cardiomyopathy type and mutated gene type. The mutated gene type is a sub search within the cardiomyopathy type selected. If they only search with cardiomyopathy selected and any gene type, we should display just basic information with a view details link to see the graph. Or maybe we should place all search results into this format, and to see the graph they can click view details. This is because as the website grows, there will be many graphs to render, and a lot of calls to the database. Pagination for the graphs when mutated gene type is used to search would be good. External api information should be displayed here somehow (I think this wasn’t clearly explained, may need another meeting to discuss how this should be shown)

Duration: 20 minutes

Who Attended:

* Nicholas Cowling
* Zoheb Malik
* Nicholas Higson
* Wahab Rehman
* Ismail Adeniran

# Team Meeting 17/02/2021

Reason scheduled:

* Reflecting on client meeting
* Checking progress on current sprint

What happened:

After reviewing the current progress of Sprint 3 so far, the team is on track to completing the stories that were brought into the sprint. Based off of the client meeting that took place today, notes were made and they will be used in product backlog refinement / user story creation.

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Team Meeting 19/02/2021

Reason scheduled:

* Scrum retrospective
* Sprint planning
* User stories
* Using previous client meeting to reflect on product, and for product backlog refinement

What happened:

Sprint 3 overall was successful – there was little stories that we had issues with, and the progress we made from the past 3 sprints can be seen as successful based off of the clients feedback so far. We have managed to achieve a minimum viable product up to this point, and the next sprint shall be focused on additional features and improving the UX / UI / responsiveness. After product backlog refinement, we have decided to bring in these stories for sprint 4:

* Implementing a help page
* Adding the functionality to delete data
* Hosting the website
* Setting up CI/CD
* Styling the notification system
* Adding the functionality for the external API information when querying
* Adding a news feed to the website
* Styling the home page

Duration: 4 hours

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Client Meeting 24/02/2021

Reason scheduled:

* To discuss the general design and styling of the website
* To discuss the help page
* To discuss the external api information
  + Is this information that is pulled sufficient?
  + Where would you prefer it to be positioned?
* To discuss the search results still being a paginated graph – could change to a table of results – need confirmation
* \*EF\*

What happened:

The client was happy with the general design and styling of the website. We should keep it consistent with the banners (a banner on the help page, and search graphs page). They were also happy with the help page and its functionality. The external api information needs styling – the gene should be first row, text (rename to Description of the gene) should be second, clinical synopsis (symptoms) third. Phenotype can go fourth, and mimnumber 5th.

Clinical synopsis is not showing the correct user friendly information. It should be the symptoms. The other stuff displayed so far the client seems to be happy with. It might be safer to do further research into the description and associated diseases just to confirm.

The client is also happy with the paginated graphs being displayed on the search screen – it doesn’t have to be a table of results.

Lastly, our presentation will be moved to the 8th march, need to confirm that our whole team has the exceptional factors, so we can go ahead with this move.

Duration: 20 minutes

Who Attended:

* Nicholas Cowling
* Nicholas Higson

# Team Meeting 24/02/2021

Reason scheduled:

* Scrum retrospective
* Sprint planning
* User stories
* Using previous client meeting to reflect on product

What happened:

The stories brought into sprint 4 were all mainly completed. Up to this point, all main and additional functionality has been implemented into the website – with the exception of some external API issues (styling, pulling wrong parts of data that is not user friendly). This was reassuring to hear from the client themselves in the client meeting that took place earlier today. We have additional time due to exceptional factors, so the next 2 sprints or so will largely just be improving styling, adding unit tests to the codebase, and then lastly preparing the presentation. The stories we have decided to bring into sprint 5 include:

* Fixing existing css issues
* Improving general UX / UI on website
* Adding unit tests to the codebase
* Fixing the validation on empty csv files (bug)
* Adding a placeholder for select dropdowns to improve UX
* Improve Responsiveness of website

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Team Meeting 01/03/2021

Reason scheduled:

* Scrum retrospective
* Sprint planning
* User stories

What happened:

Sprint 5 was slower paced but was expected, as the website is largely complete up to this point; the stories brought in were completed with time to spare, which has overall improved the UX of the site considerably. Responsiveness was a focus, as the website functionality and navigation abilities broke if the website was reduced in size too much. This was greatly improved during the sprint – switching from paddings using pixels, to percentages for width for example was a big improvement. A sidebar navigation was added so if a user on a small monitor or phone accessed the site, then it would still be useable. Sprint 6 will be the last as the deadline approaches on the 8th of March, so this sprint will be used to set up individual hosted accounts (for submission purposes), preparing the presentation, and resetting the firebase data to correct information. The stories are as follow:

* Resetting the firebase data, and reinputting the accurate data taken from the PDF’s provided by the client.
* Preparing submission accounts
* Preparing the presentation for client

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson

# Team Meeting 06/03/2021

Reason scheduled:

* Reflection of sprint
* Ensuring everything is ready for submission

What happened:

This sprint ended up being used to further refactor the styling on the web application and to improve UX for users across different hardware. Finishing the presentation, setting up accounts, and resetting data is almost finished and will be complete by the time of the presentation on the 8th March 2021.

Duration: 45 minutes

Who Attended:

* Zoheb Malik
* Nicholas Cowling
* Wahab Rehman
* Nicholas Higson