Log Book

By Bryan, Zaim, Henry and Wesley

22/08/18

We met up to discuss the assignment that came out.
We decided:

- Finish the first iteration of the epic stories, so that Hussein could give us some feedback in the lab.

After some brainstorming, and reading the assignment specs, we found the following user stories:

- 4 user cases for patient search: search by health-centre name, suburb, service provided or health provider.
- 2 user cases for patient book: book through the health-centre page, or the health provider page.
- 4 user cases for health providers: to view appointments upcoming, display patient information, record notes about patient and record patient medication dispensed.

We allocated the work distribution for the week to be as following:

- Bryan will do the 4 user cases for the health providers.
- Zaim will do the other 6 user cases.
- Wesley and Henry will be expected to do the editing after Hussein has finished commenting.
- Wesley and Henry will also remain on standby just in case something unexpected happens.

29/08/18

We managed to show Hussein our current epic stories, and he gave us a few comments to help us improve.
He suggested:

- There should be user cases for viewing profiles, not only booking profiles.
- There should be a case to choose which search the patient is using.
- There should be a separate case for rating the centre and provider, as opposed to putting it on the “making an appointment” page.

We decided:

- Finish the final copy of the epic stories, including the things Hussain told us to do.
- Make a start on the User-case Scenarios, so that we could get a start on trying to piece together our UML class diagram later for week 9.

We allocated the work distribution for the week to be as following:

- Henry and Wesley will edit the current epic stories, and write the new ones necessary.
- Wesley will also format the epic stories to be aesthetically (more) pleasing.
- Zaim will get started on the user-case scenarios, and everyone else will help by adding ideas on Discord (a social media app).

Milestones achieved:

- We managed to finish the first draft version of the epic stories and show Hussein in time for feedback.
- All assigned tasks from last meeting were achieved.

12/09/2018

We had our weekly stand up meeting in the lab. As there was still some time until the due date, and we had a number of other assignments and midsem tests until the next due date, we didn't really think too much about it. However, we did discuss it for a bit.

We discussed:

- Who will be responsible for each section of the assignment
- When we will be starting
- How we partitioned the sections

We decided:

- To partition the sections to UMLdiagrams and logbooks, manager classes, non-manager classes, html/css and routes.
- Zaim takes the UML diagrams and logbooks, Wesley does the manager classes, Henry does the non-manager classes, Bryan does the html/css and routes.
- To start when Zaim finished his UML diagrams that was based on the specifications and user stories. The deadline was at the end of tomorrow.

We achieved:

- To partition the tasks between us and to start on it immediately.

14/09/2018

We had our weekly stand up meeting in Discord, after Zaim had created the first iteration of the UML class diagram.

We discussed:

- The priorities of the implementation
- What the next steps to implement the class

We decided:

- That the UML was not good enough and that it needs to be redone. This mainly came in the form of more classes for some data that we had overlooked previously.
- To start implementing the classes that we definitely knew were going to be in the next iteration, such as User.

We achieved:

- Some progress with the classes - a majority of the basic classes had been written, but some of it didn't work properly.
- The HTMLs were completed by Bryan, but the routes had not been.
- The login, despite being first priority (and unanimously agreed on being the most important thing) had not yet been done.
- Basic implementation of the non-manager classes

Shortcomings:

- Probably could have discussed this earlier, but a lot of the Classes that were made had not been based off the UML class diagram. Thus, we needed to change it.

16/09/2018

We had our stand up meeting on discord voice channel.

We discussed:

- Is the UML diagram correct
- What should be our priorities
- Whether to keep the Manager classes, or edit the UML diagram as we were running out of time.
- Whether the team partitioning of the tasks were good

We decided:

- To scrap five Manager classes, as it had already been functionally implemented in the HealthCentreSystem
- For Zaim to edit the UML diagram to reflect upon these changes constantly, as our code was developing and update the logbook.
- To focus on implementing all the functions we need to get our code up and running, instead of splitting our central system into manager classes.
- For Bryan to continue implementing routes, after he had written the html.
- For Henry to continue implementing classes, and take a bit of Zaim's and Wesley's code for csv reader and continue implementing that.
- For Wesley to scrap his UserManager, salvage some code that was useable (eg. login, csv reader) and work on code for logging in, amongst odd-end jobs like editing the logbook.

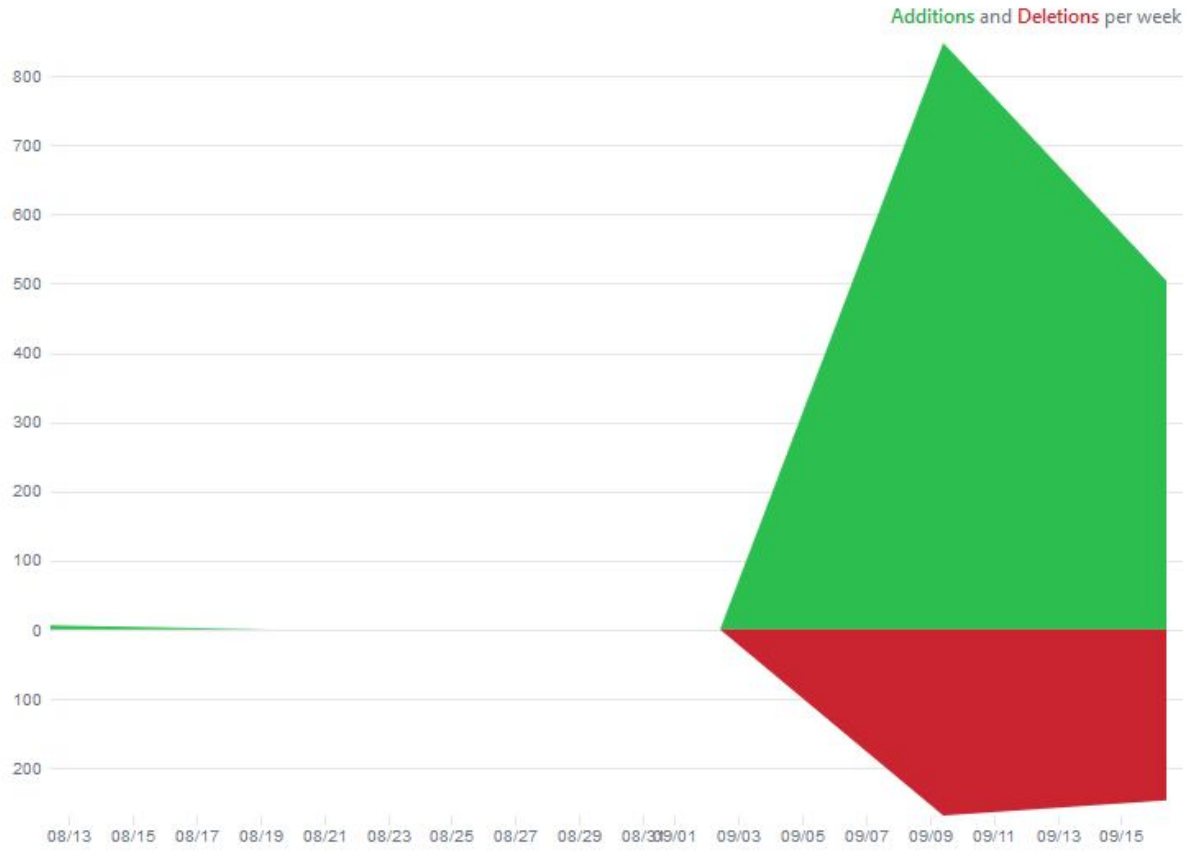
We achieved

- Managing to squeeze in enough time to finish the assignment milestone
- Set it to the release branch
- To record our setbacks and prepare for the final milestone

We found:

- There was a problem with a lack of communication between members which lead to this central HealthCentreSystem. We resolved to communicate better, and set up our tasks and who was doing what earlier next time.
- We were running out of time significantly, and there was too much we wanted to do. We resolved to start work on it earlier for the next milestone.

Speed of development chart



19/09/2018

After showing our first iteration to Huss, we had another discussion about our assignment, in order to prevent all the submissions coming in in the last 48 hours again.
We decided on the following:

- We would meet up through voice-chat online every four days, in order to discuss what had been done since the last iteration, and take on further tasks.
- We will continue meeting up in the lab every week Wednesday, and raise issues/comments then about the assignment if we had any.

We also assigned the tasks for the next online meetup. Those were:

- Zaim would refactor the edit/search User Class.
- Wesley will update the UML diagram, following refactoring.
- Henry would create the HealthCentreManager class, to refactor the code block we had in HealthCareSystem.
- Bryan would continue developing the front-end flask app.

23/09/2018

As planned, we met up online to discuss the details of our assignment, and what we had done since the last iteration.

We achieved:

- Henry created the HealthCentreManager, but in doing so also refactored the searching.
- Wesley made some changes on the UML diagram, but as the program had not been completed (nor completely refactored), he decided to leave the rest of it until the entire app was complete.
- Validate booking dates and template updates for notes by Bryan
- Zaim began refactoring his portion, but Henry finished first.

We discussed:

- The changes in requirements for Milestone 3.
- Any misunderstanding about the spec like booking systems.
- Discussed SOLID Principles, decided to have HealthCareSystem Class to be our System, with sub-systems leading into it that perform their specific duties.
- Matching the backend with the frontend.
- The issue that we should only do what we were designated, to avoid pointless wasting time and effort into doing duplicate code.

We plan to achieve:

- Zaim would create the starting backend code for referrals (the challenge), and check the code to see if there was anything that required refactoring still.
- Bryan had done a lot of the coding before the first milestone, and so he would just do what he could, mainly fixing a bit of code and making it more elegant.
- Henry would refactor the HealthCareSystem into more managers, and also refactor the booking system as it was supposed to be in 30 minute intervals.
- Wesley would begin on the code to make the bookings persistent.

27/09/2018

Once again, we met up online to discuss what we had done between the last meetup and then.
We achieved:

- Persistent bookings by writing them into a CSV file, done by Wesley.
- Zaim began some of the code for referrals, but had not finished.
- Bryan continued to work on frontends.
- Henry had completely refactored the HealthCareSystem, and managed to make the booking system only be able to be booked in 30 min intervals.

We discussed:

- The next task that we would choose to finish the next milestone on time.
- How we should have split the referral into sections according to OCP.

We planned:

- Zaim would continue on referral, making the backend, and not touching the frontend.
- Bryan would make the bookings be listed out in chronological order (in accordance with time).
- Henry would make the ratings system.
- Wesley would fix the UserStories, make them in line with software and spec.

01/10/2018

We met up again online to discuss the next task that we should work on, to finish on time.
We had completed:

- The ratings system is up and working, thanks to Henry.
- Zaim had made progress on the backend for referrals, and it was almost done.
- Bryan had made the bookings be listed in chronological time order.
- Wesley had updated the UserStories to be inline with the current progress of the assignment program.

We did not discuss much, other than what tasks to delegate.
We decided to achieve:

- Pytests to be run by Henry.
- Zaim would connect his branch (referrals) to the master program, and refactor it.
- Wesley would make the ratings persistent, and refactor it.
- Bryan would begin work on the frontend of the referral system.

12/10/2018

Unfortunately, due to other commitments (and general laziness, forgetfulness and knowledge that our program was almost finished) we failed to meet up on the 5th as planned.
On the 12th, we discussed what had been done, and what needed to be done.
We had achieved:

- The refactoring of ratings and making ratings persistent, by Wesley.

We had a discussion on why we did not finish the rest of the tasks. We came to the conclusion that:

- Zaim had not implemented his branch and merged into master, so Bryan could not yet design the front end.
- Henry had assignments due for other subjects, and although he started Pytests it was nowhere near comprehensive enough for submission.
- Zaim had been working on other things for this assignment, including listing out all our current classes and functions, and finding that patients could write optional notes regarding why they booked their appointment, had decided to do that.

As a result, we had to redesignate workloads. We decided:

- Wesley would make the notes written by the providers persistent, as well as do some simple bug-fixing.
- Henry should focus on his other subjects.
- Zaim would write the Pytests, and find bugs.
- Bryan will make the frontend for the patient notes, and also for the referrals.

14/10/2018

With little time left, we went for a final refactoring/merging push to finish our app.
We succeeded since the 12th in:

- Making persistent notes for providers.
- Making the front-end for patient notes.
- Writing out a majority of Pytests.

We discovered that the referral system was bugged, and so we discussed:

- Why referral was bugged (briefly), and

- To ignore the challenge, as we did not have enough time (if we wanted to preserve a healthy sleep schedule).

We designated:

- Further refactoring of the persistency functions to be done for easier Pytests and in accordance with OCP for Wesley.
- Bryan to work on the front-end, fixing any mistakes and just generally refactoring code he finds in the wrong place.
- Zaim to finish up all his Pytests.