




GROUP 8B SCRUM MEETING REPORTS

Sprint 1: NATHAN ABUAKU

Sprint 2: Alexander Pacey



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Friday 19th February

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

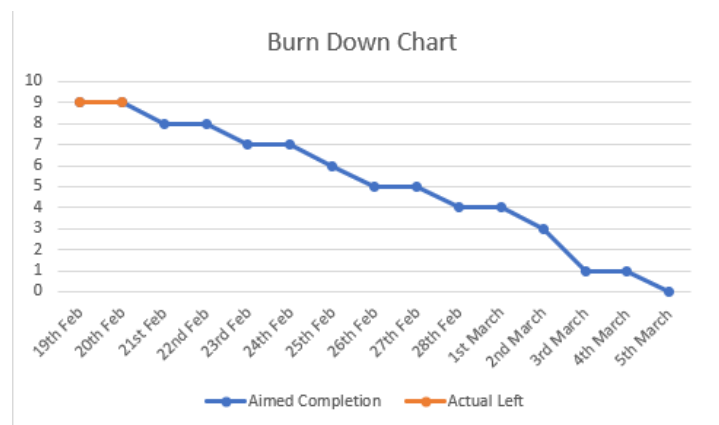
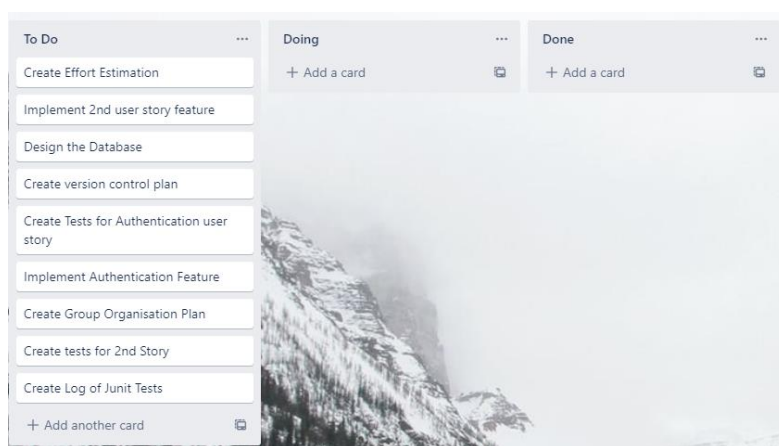
Work Done:

- Listed the deliverables required for the first sprint.
- Discussed the four tasks, being: Database design and management, User interface design in Java, Testing and the Documenting process.
- The workload was split between us. With Daniel designing the UI, Fai'Zah working on the Database, Alex designing test and Nathan documenting.

Discussions:

We discussed the deliverables necessary for the first sprint. Daniel led the discussion as we split the work up between us.

Backlog & Burn Down Chart:



Tuesday 23rd February

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

- Fai'Zah is working on designing the database. She finished creating the database and is trying to connect it to the application.
- Daniel is working on the user interface
- Alexander is creating tests using J Unit. He's been learning to use J unit in order to create the tests and practicing creating test classes. He's starting to implement test classes for the GUI.
- Daniel created a documentation directory on the teams GitLab.

Problems Faced:

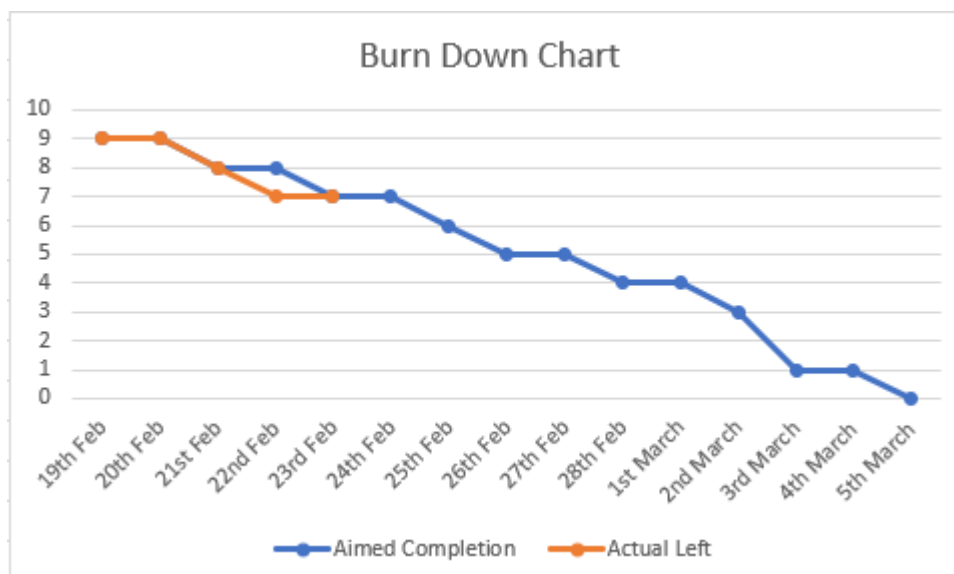
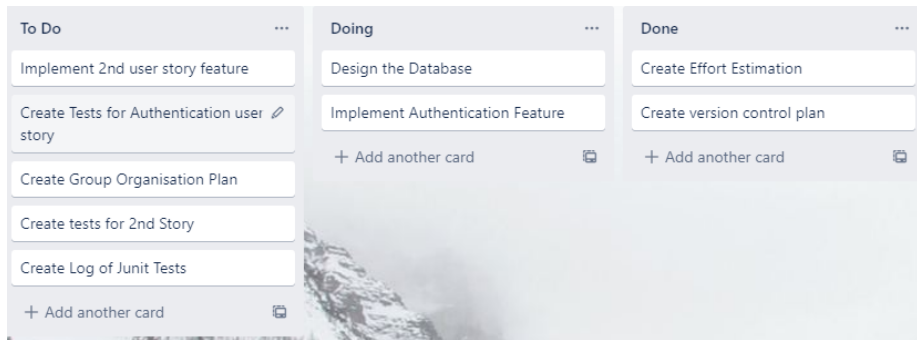
- Daniel had problems uploading to GitLab.
- Alex had trouble compiling Daniels code briefly.
- Fai'Zah encountered an error in her code when trying to connect the application to the database.

Discussions:

Today we created the Effort estimation table. Included our user stories and agreed upon the business value and effort estimation for each task. This was led by Daniel, who then calculated the ROI for each user story.

Later on, after our meeting, Alex had trouble compiling Daniels code, the solution Alex found was to remove a small section of the code, the 'Doctor' module. Daniel mentioned swapping roles with each other during the project, and we agreed to discuss this in our next meeting.

Backlog & Burn Down Chart:



Wednesday 24th February

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

- Alex created JUnit test cases for the GUI class.

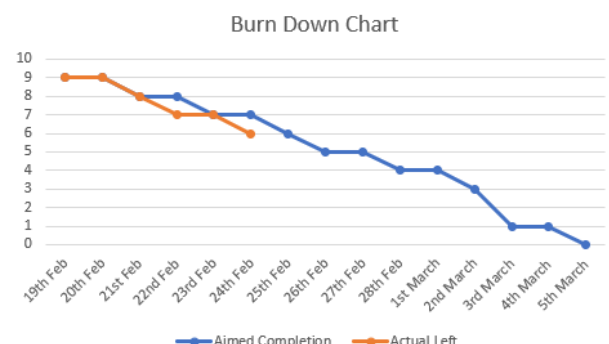
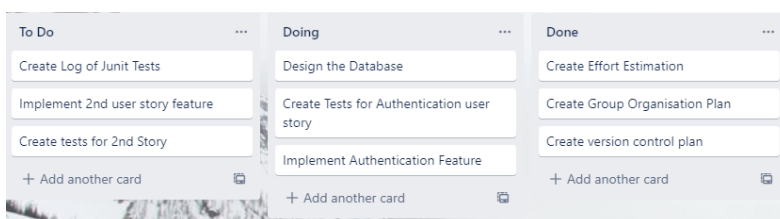
Problems Faced:

- Fai'Zah encountered an error in her code when trying to connect the application to the database.

Discussions:

Alex mentioned he was unsure of what to do for the test cases as none of the methods returned anything. Daniel responded with a solution for Alex. Daniel asked that everyone try to work on new branches on GitLab instead of committing everything to the master branch, in order to keep our work more organised. Fai'Zah emailed Ozgur to ask for help with the database connection. Fai'Zah managed to work out why the connection wasn't working.

Backlog & Burn Down Chart:



Thursday 25th February

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

- Fai'Zah made database in Dragon.
- Daniel implemented authentication.
- Alex added requirements under the Requirements tab in GitLab.
- Fai'Zah updated the database documentation as she made changes to the database the previous day.
- Daniel Implemented the user story and refactored some of the code.

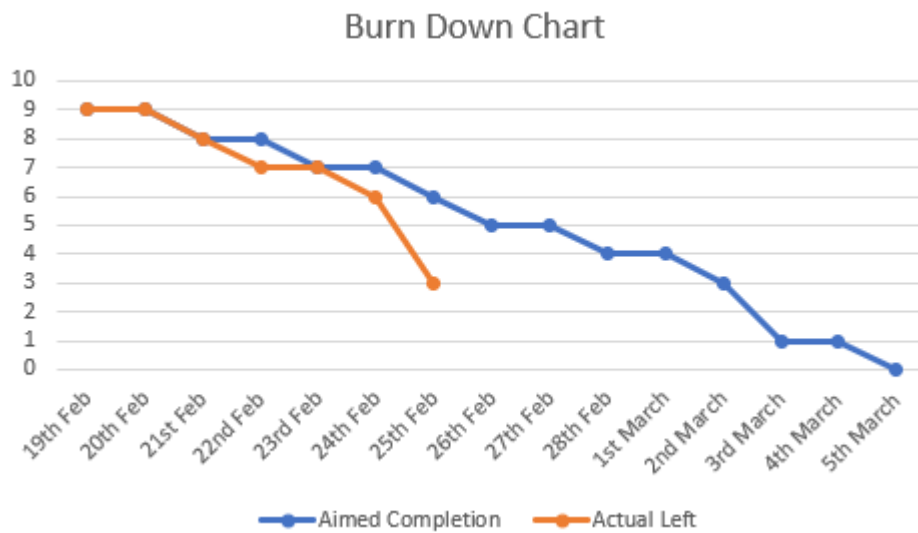
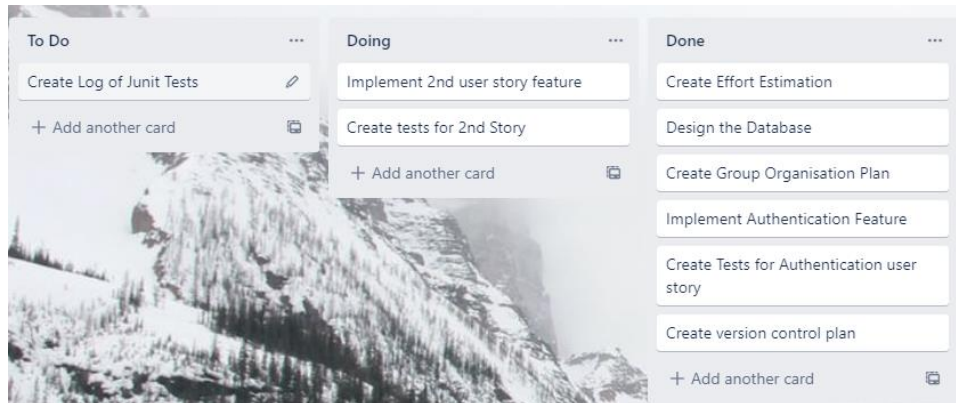
Problems Faced:

- Alex had trouble implementing JUnit tests.

Discussions:

Laura told Alex it's better to use User Testing for the GUI as opposed to JUnit. Daniel asked Nathan about the progress of the documentation. Daniel asked Fai'Zah to help Alex with the MySQL connector, as they both use the Eclipse IDE. Fai'Zah helped Alex to do this in Eclipse.

BackLog & Burn Down Chart:



Friday 26th February

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

- We switched roles for the second sprint.
- Daniel updated code.
- Fai'Zah added 'doctorID' to the patients booking table and updated the database design documentation and justification.
- Alex implemented tests for login and view patients.

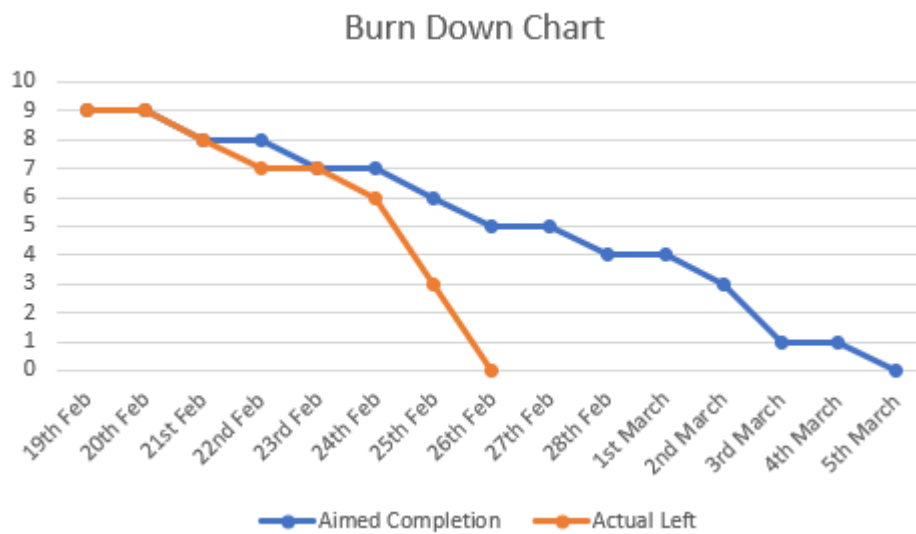
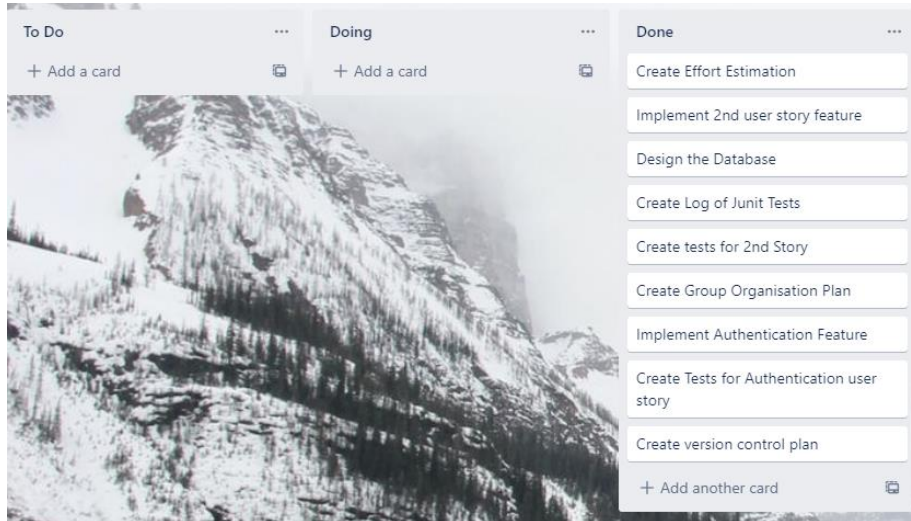
Problems Faced:

- Fai'Zah was unable to run the JUnit test for the login form.

Discussions:

We discussed the roles needed for the second sprint, we then split the roles up between us, making sure we each took on new roles. We also agreed to submit the first sprint on Sunday, the 28th. Before submitting it was agreed that we needed more users tests and the database design needed to be uploaded. As well as the Version control document and Scrum meeting documents, be uploaded to the Git. Alex helped Fai'Zah with the issue she had running the JUnit test. He suggested that Fai'Zah updated her version of the project. Daniel asked Nathan to create a version control plan and the report of our Scrum meetings as pdf documents.

Backlog & Burn Down Chart:



Sprint 1 Retrospective

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Discussions:

In the end, after discussing how Sprint 1 went we came to a unanimous decision that our estimations were realistic as we managed to mostly hit each goal, we had set from week to week leaving us with more than enough time if any real issues had occurred. This is supported by the information present in the burn down charts indicating we managed to finish features and documentation even quicker than we initially thought. Authentication was a necessary feature to implement first but the chosen user story to display patient details in summary was in our opinion correctly implemented in first because of following our effort estimation therefore in the future we will continue to follow this method without reevaluating the effort estimation document. The main trouble experienced during this first sprint was probably the use of git as we encountered trouble: pushing, pulling, effectively committing, and using new branches. However, with time this will probably be less of a hindrance during the second sprint.

Thursday 4th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

As this was the first meeting since the beginning of sprint to nobody had made much progress since the last meeting.

Problems Faced:

Similarly to work nobody had faced any problems since the last meeting because all that had changed was that roles had been assigned.

Discussions:

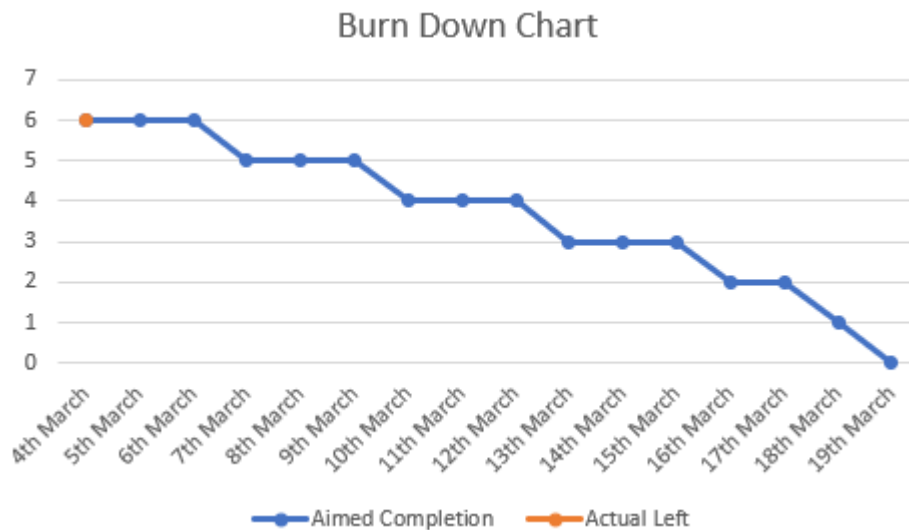
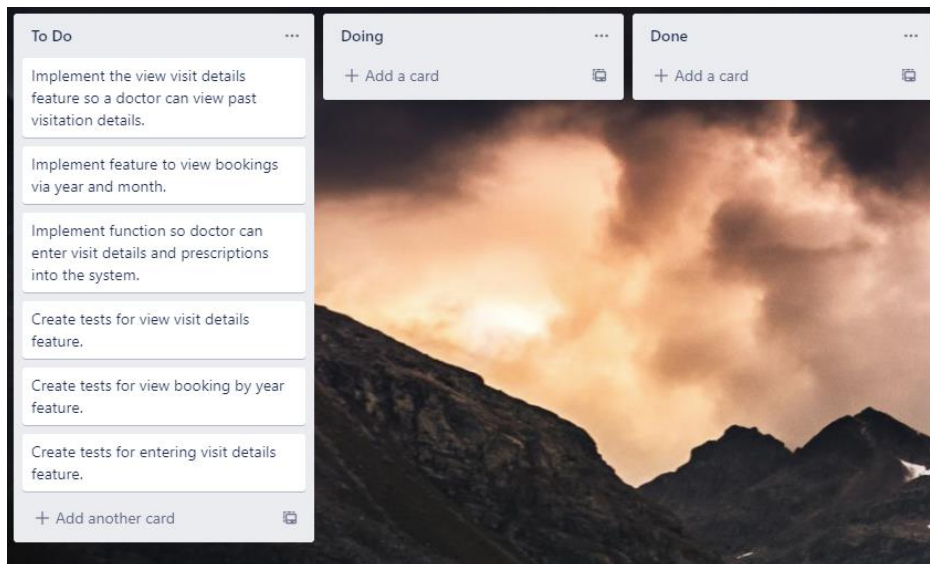
What was predominantly discussed in this meeting was first, confirming the roles everyone had. For example, we made sure everyone knew what they were doing and what they needed to do by the next meeting. On top of this we decided upon what user stories/ features we should implement in this sprint of the assignment. To do this we utilised the effort estimation table that we had created in the first sprint. We decided that the features we would implement in this sprint would be:

- 1. The system should allow a doctor to view the visit details and prescriptions regarding a past booking, for which the doctor provided visit details and prescriptions.
- 2. The system should allow a doctor to view their bookings by entering a month and year.
- 3. The system should allow a doctor to enter visit details and prescriptions regarding a past booking. The system should then send confirmation messages to the patient and the doctor.

Nathan and Fai'zah, who are programming, have decided to work on the code for the view bookings feature, so feature 2 as listed above. Fai'zah was more so focusing on the front-end handling and implementing the UI for this task whereas Nathan was going to handle the functionality more so although both will work together to achieve a functioning final product.

Daniel will be working on the Junit testing for this first feature of sprint 2 and I, Alex, will be handling the Scrum meetings and other documentation for this sprint.

Sprint 2 Backlog & Burn Down Chart:



Wednesday 10th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

Since the last meeting Fai'zah and Nathan had been working on the user story that involved finding booking via year and month. Fai'zah worked on implementing the actual interface that would be used to search. It is a calendar that has a drop-down menu for year and allows the user to select certain days from a given month. Nathan has created a table that has been populated full of these bookings so that when the feature is implemented, we can test it ourselves. He also has figured out the query needed to represent the given data that will be found. Daniel has not been able to create the test cases for this feature as it is as of now incomplete.

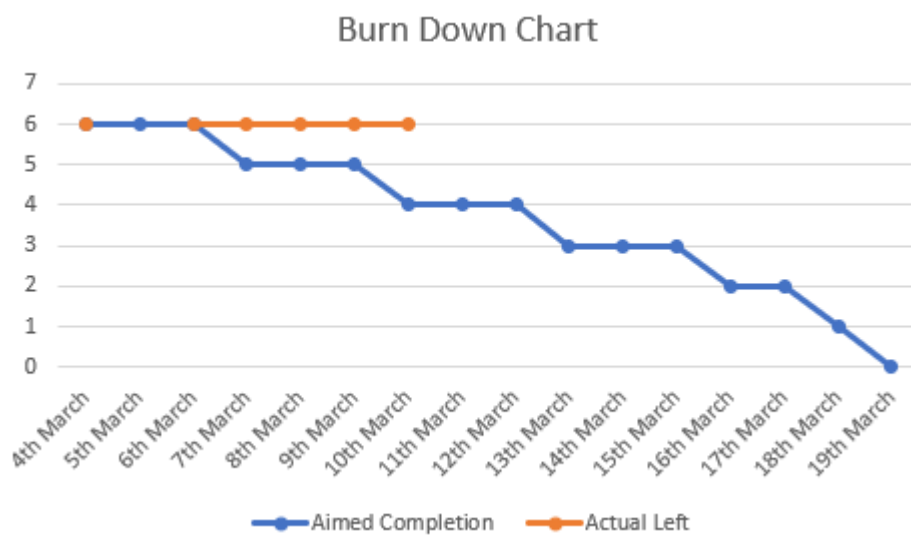
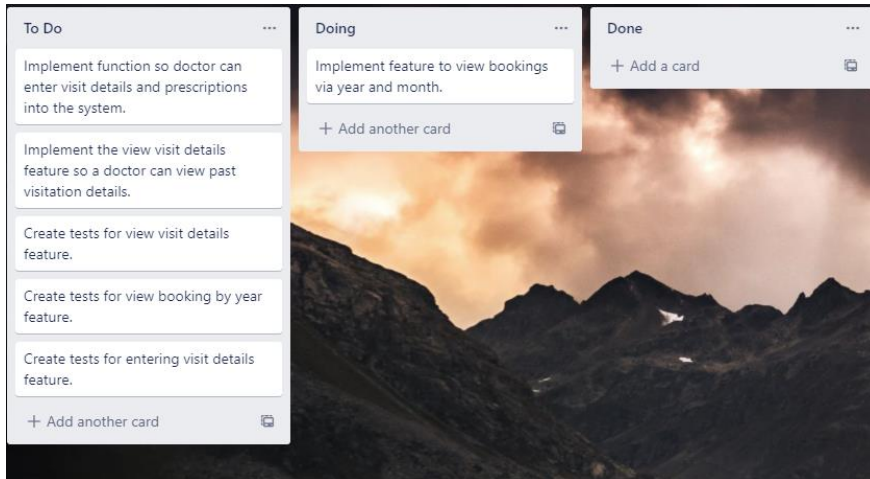
Problems Faced:

Nathan has faced some problems on implementing the functionality using the design provided by Fai'zah but is currently working to resolve this before the next meeting. Fai'zah had some issues involving pushing and pulling using git however these were resolved. Daniel also stated that commits made were a little difficult to understand and we have decided to be more clear in the future.

Discussions:

We have decided that the database may need to be edited at some point to be more effective and useful for this user story and further ones we are yet to implement. These changes will likely include adding some attributes to the bookings table, "Doctor notes" and "prescription" as one of the user stories in the future will need to access this information that is not yet implemented in the database. As well as this we are considering merging doctor bookings and patient bookings as we now concede that both are not necessary. Also we have decided to add a new table called messages that stores the messages/logs of when a change is made so the Doctor/User can easily check if a change has been made or look over when previous changes were made. Once the current feature people are working on has been implemented Daniel will begin to implement the test cases for it.

Backlog & Burn Down Chart:



Friday 12th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

Not much has been done since the last meeting mostly because both have been close in date. However, since the last meeting Daniel has implemented a couple of the Junit tests for the first user story. Fai'zah has been working on changing the UI for the story and further working on an action listener so Nathan's code can be brought into effect. The changes to the database discussed prior have been implemented by Nathan and he has successfully created/improved the query to search for booking mentioned in the last meeting.

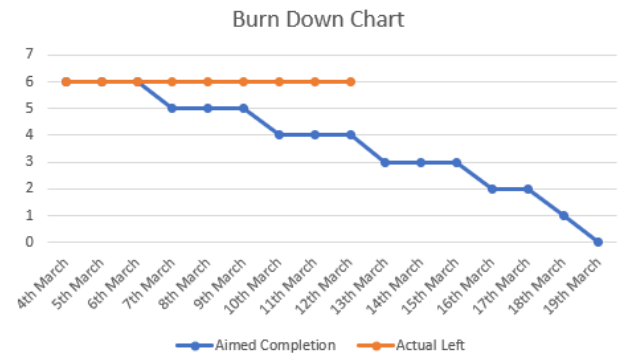
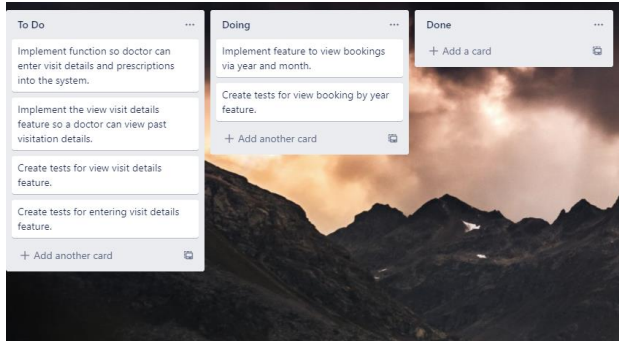
Problems Faced:

The main problem faced so far since the last meeting has been getting the correct value from the selected cell in the calendar after now implementing a way to get a value by selecting a specific cell.

Discussion:

Again, not much was discussed since the last meeting was so recent. We have decided that by the next meeting the first feature should be fully implemented so that we are left enough time at the end to implement the further two user stories mentioned in the brief. This will include the tests for this user story by Daniel as well as the functioning feature by Nathan and Fai'zah.

Backlog & Burn Down Chart:



Tuesday 16th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

The first two features are practically fully implemented and the branches that they are currently on need to be merged to the main. The viewing by specific month and year works by selecting a button on the "home" screen that brings up a calendar. Using the calendar, the user can navigate to a specific month and year and then proceed by selecting another button on that screen which should then present all of the correlating results. The second feature, viewing visit details, works in a similar way to the first. By selecting a button on the home screen a table of bookings with this information displayed in it will occur allowing the user to view this information.

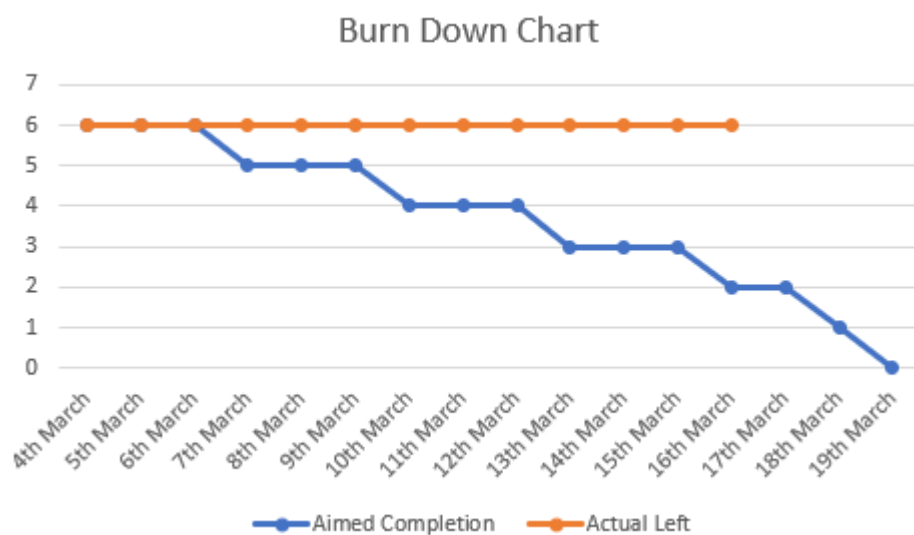
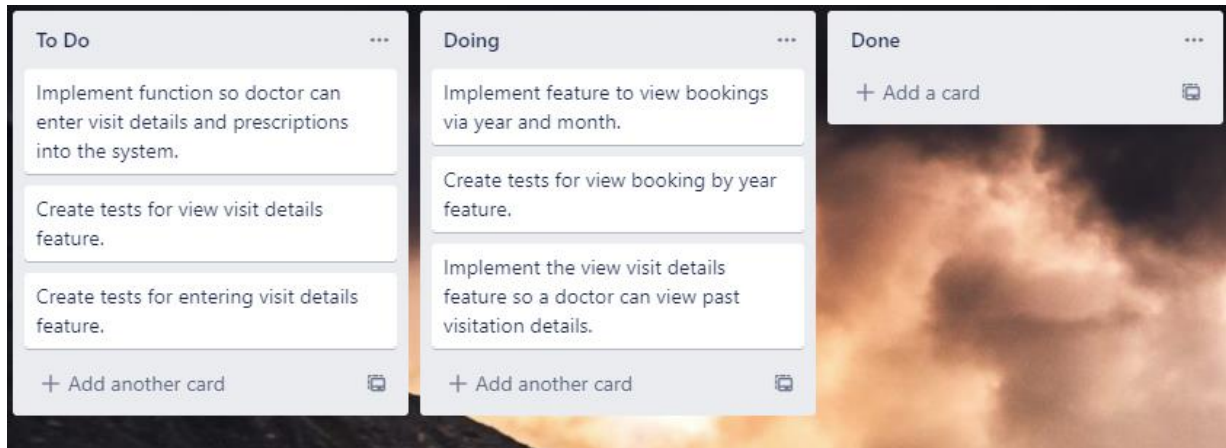
Problems Faced:

A couple of small issues were faced during this section. One was that when selecting the month on the calendar sometimes, when moving forward, a month may be skipped for some reason. This should be a relatively easy fix however if we can find the cause of this problem.

Discussion:

We will first attempt to fix the small issues with the first 2 features, then from there we will focus on implementing the final feature. Also once these features are fully implemented Daniel can start working on the test cases for them and noting down the results in the log table.#

Back Log & Burn Down Chart:



Wednesday 17th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

Since the last meeting all three features have practically been implemented with there functionality practically working. There are however a few bugs/changes that we feel would be appropriate to change/resolve before the submission. Also there have been some changes to the database as we attempt to implement the confirmation message part of the tasks.

Issues:

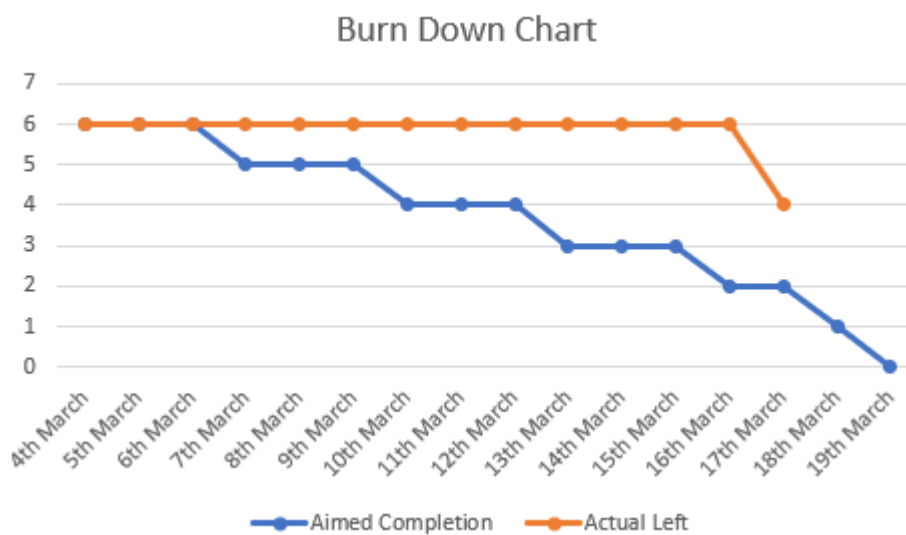
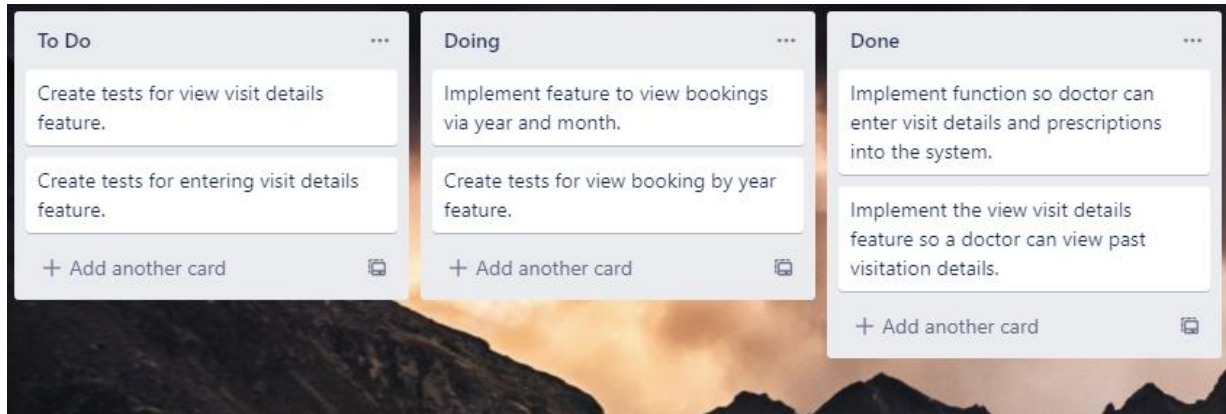
There are currently a few bugs/issues with the application as of now, but all should be relatively easy to rectify:

- The persistent issue when navigating to the next month in the calendar.
- All the windows should close when the user logs out.
- When selecting past booking the information is displayed but then afterwards if this is reselected the relevant information does not appear.

Discussion:

As the deadline speedily approaches, we will now work on ironing out any bugs or problems with the implemented features. As well as this Daniel will finish implementing the tests and any documentation that needs updating i.e., the database justification and design will be changed accordingly.

Backlog & Burn Down Chart:



Thursday 18th March

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Work Done:

Bugs and any other issues have been resolved as the features have been completed. Confirmation messages are now sent when changes are made to the information in the database and tests for all the features have now been completed. Documentation detailing the new updated database have also been changed and added to the documentation folder for sprint 2.

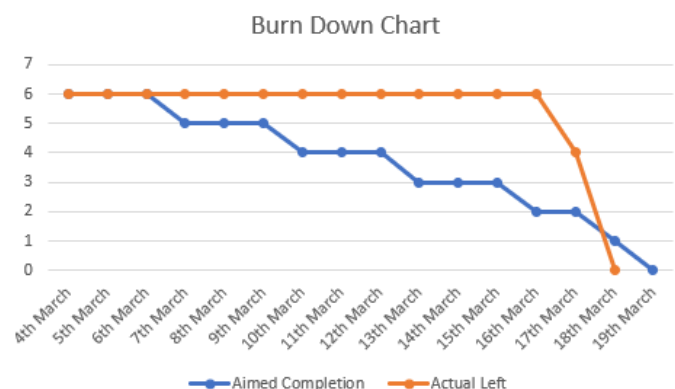
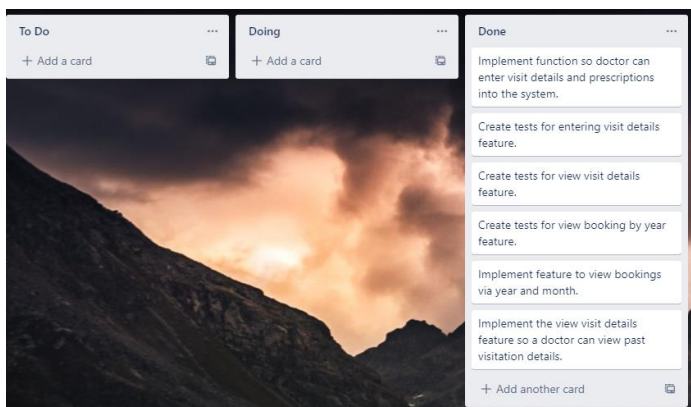
Issues:

Some minor issues were faced when implementing the messages section of the update feature, but all have been resolved as we finish the sprint.

Discussion:

Before we submit, we will need to go over the application again physically testing it ourselves to check for any issues individually. Also, we will check that the documentation aligns with the current form of the application and database and check all the necessary deliverables for this sprint are where they should be and are submitted.

Back Log & Burn Down Chart:



Sprint 2 Retrospective

Attendance:

Name	Attended
Daniel	✓
Fai'Zah	✓
Alex	✓
Nathan	✓

Discussions:

When reviewing this second sprint it is obvious that it was more difficult than the first. Our assessment that these features were more difficult to implement was accurate. In terms of the implementation time as seen in the graphs from meeting to meeting these features took longer than initially thought to add. However, what the graphs do not represent is that these features for a considerable amount of time were almost completed with only a few bugs or issues. The graphs only noted when a feature was completely finished that is why they can be seen as inaccurate even though they do correctly portray a greater degree of difficulty we faced during this sprint. Despite this the functionality of our features works correctly displaying the functionality specified in the brief. Everyone completed their roles effectively with Nathan and Fai'Zah completing most of the programming, Daniel creating the tests and I (Alex) writing the scrum reports and updating documentation. Despite these specified roles Daniel did help with programming also and everyone had an input on what information the database should contain and how it should look. Again, people did have some problems along the way, this was both because of using git effectively as well as more general problems like aforementioned bugs in the code. We did however manage to overcome these problems and we can use this new knowledge to deal with them in the future as we move into sprint 3 and our roles change.