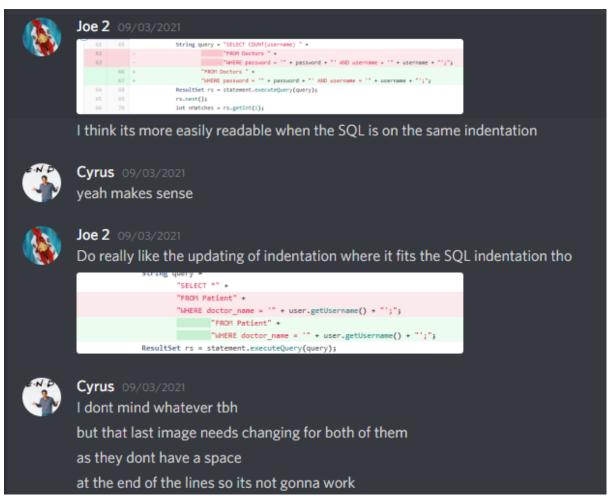
Quality Assurance Evidence

Code reviews

Throughout the assignment, we reviewed each others code. Depending on the time commits were pushed to GitLab we conducted our code reviews differently. If commits were pushed close to a scheduled meeting (such as before on the day or the evening before) we would look at the newly pushed code together during the meeting. If code was pushed further away from a meeting we individually looked at it and left comments. During the start of the project we used group messaging to make our review comments but as the project progressed we found commenting in GitLab more effective.

https://git.cs.kent.ac.uk/jjn5/software-dev-a2/-/commit/9dbb070cf53a72a6eb9b63de7ec8c5d1c8785aa6

This is an example of changes made as a result of a code review in a meeting during one of our Tuesday class meetings. The code review led to changes in areas such as more meaningful variable names.



During this code review using our group chat, it was discovered that spaces were not included at the end of lines being concatenated, leading to SQL syntax errors. Changes to indentation were also discussed.



https://git.cs.kent.ac.uk/jjn5/software-dev-a2/-/commit/a4888cb05007d2fe70d2da7125b7226e311e04a3#note 28058

This code review shows our switch to using GitLab comments between meetings and details the reviewing of how ids were created for log entries.

Refactoring

During the development process, we refactored our code to make it better structured.

https://git.cs.kent.ac.uk/jjn5/software-dev-a2/-/commit/d6d9a3148dae30044047fadebb60c257c5136aa5

This is an example of a refactor creating two methods out of one large method. As part of the method getNewMessages(), the time the user last accessed messages was updated as part of the method. The updating of the last accessed time was moved into a new method update_last_accessed().

https://git.cs.kent.ac.uk/jjn5/software-dev-a2/-/commit/f33e9dbb3a769b1f631bcf403d033c68 ef8f68e4

This is an example of a refactor moving an import statement to the top of the file above the Javadoc comment to conform to Java style conventions.

Issue tracking

When we came across issues we informed group members about the issue through our group chat and filled in an entry in the issue tracking document explaining it. We explained it in further detail in our next SCRUM meeting and documented what issue we discussed in the meetings document. After the issue was resolved we informed our group members of it being solved in our group chat, in the SCRUM meeting, and documented its resolution in the issue tracking document. Errors and what input caused them to be discovered in tests were documented in the test logs.

Example of informing group members about the occurrence of an error upon discovery in the group chat.

Joseph Nunn

What I did:

 Added connection details and query to the database in BookingSystem. Login credentials can now be checked to see if they are correct.

What I need to do:

- · Getting a doctor's new messages from the database.
- Encrypting the passwords so they are not stored as plaintext.

Problems:

 Had trouble connecting the database with the correct details. I needed to add the my-sql-connector.jar file to the IntelliJ libraries.

Example of issues being explained in SCRUM meetings.

			L			
loginTestIncorrect3	Login with incorrect username and correct password 3 assertTrues used	24/02/21	FALSE FALSE FALSE	FALSE FALSE FALSE	Yes	None
getNewMessagesTest1	Get a single message for the doctor logged in as 'TES1'	25/02/21	Linked list containing the string: 'D: TES1, P: TP01'	t)	No	Modify the SQL query so that before every test the time of the message sent is changed to a time

Example of documentation of issues found in the test logs.

Issue Tracking

ţ.				
	Issue	Date	Solution	Date
		encountered		solved
	Can't connect to the database	22/02/21	Installing drivers and adding	23/02/21
	using JDBC. Errors due to not		J/8 connector to IDE libraries.	
	finding database.			
	All tests failed for get	25/02/21	Modifying the SQL query so that	25/02/21
	messages user story. Time of		before every test the time of the	
	the messages sent in test is		message sent is changed to a time	
	not set as after the last		in the future to simulate a new	
	login of the doctor.		message being sent after login.	
ı		25/22/24	TT Abi1- J-A- E	00/00/01

Example of entries in the issue tracking document.