

Project Progress Update – FIT3162

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Submission Week: 9

1. What has been accomplished over the previous 3 weeks

The following are the tasks that have been completed from week 1 to week 3:

- Changed programming language of front-end user interface from Python to JavaScript
- Successfully fixed the chatbot send function
- Changed the backend database from Microsoft SQL to Microsoft Azure SQL Database
- Fixed database connection issues
- Successfully uploaded relevant tables into the database
- Successfully connected VS code to the database
- Successfully connected the repository to the database

2. What degree of completion was reached in comparison to previous set goal

The degree of completion and progress of our tasks can be seen in the Gantt Chart (Appendix I). Due to the back-end team having delays to issues with the database connection, all subsequent tasks had to be rescheduled. All front-end tasks were heavily impacted due to the delay and therefore the implementation could not continue.

3. What is the goal set for the following 3 weeks

The following are the tasks that have been set to complete from week 4 to week 6:

- Complete front-end development
- Complete back-end development
- Complete front-end code testing
- Complete back-end code testing
- Prepare for code/software demonstration
- Prepare the user guide
- Prepare the test report

4. What was the reason for failing to meet the set goal

In terms of the front-end team, the programming language had to be changed from Python to JavaScript. In other words, all the time and effort invested into researching and trying to make the existing Python code work had to be scrapped. Essentially, the main issue was that Python had to use http requests to do what we wanted to do with the send function. However, due to the nature of using http requests, the UI will constantly get reset and all previous information will be lost. This meant that the send function would be useless. Regardless, we managed to find a solution in the form of JavaScript for the send function, which does not use http requests and will not constantly restart our UI page.

In terms of the back-end team, despite being able to set up the database in Microsoft SQL server, no one else could access it. There was essentially trouble connecting to the database for other users,

other than the creator himself. However, this issue was subsequently solved through a lot of time researching for an alternative, in which this case was the Microsoft Azure SQL Database.

5. What will be undertaken to make up for missed goal

A more detailed Gantt Chart was created. All tasks were listed out in detail with deadlines carefully thought out. Besides that, our team agreed on holding more meetings during the week to ensure that each member's progress on their respective tasks is kept up to date. Furthermore, due to the delays in the backend, we would have to speed up and spend more time in the tasks for this final year project. Therefore, we have to make sure that we properly juggle between different unit assessments during these final few weeks.

Appendix

Appendix I

	Assigned	Progress	AUG 2022	SEP 2022	OCT 2022	NOV 2022
			31 7 14 21 28	4 11 18	2 9 16 23 30	6 13 20 27
A Question-Answering System about COVID		9%				
▼ Tools and Resources		100%				
Confirming our Project Management tool	Nawwaf Ali, Yeonsoo	100%				
Finalizing our development environment	Nawwaf Ali, Yeonsoo	100%				
Finalizing our coding language	Nawwaf Ali, Yeonsoo	100%				
▼ Setting Up GIT repository		100%				
Git Repo	Nawwaf Ali, Yeonsoo	100%				
▼ Creating the User Interface for the website		6%				
Creating a sketch of the UI	Wai Han, Yi Sen	100%				
Start developing the UI	Wai Han, Yi Sen	0%				
▼ Pre-process the dataset into database		4%				
Gathering the dataset	Nawwaf Ali, Yeonsoo	100%				
Pre-process the dataset into the Microsoft S...	Nawwaf Ali, Yeonsoo	0				
Completing the whole back end	Nawwaf Ali, Yeonsoo	0				
▼ Classification Algorithm		20%				
Extract nuggets from questions	Wai Han, Yi Sen	20%				
▼ Find similar questions		0%				
Getting the python codes to convert questio...	Nawwaf Ali, Yeonsoo	0%				
▼ Self Testing		0%				
Testing the front end	Nawwaf Ali, Yeonsoo	0%				
Testing the back end	Nawwaf Ali, Yeonsoo	0%				
▼ Project Management Report		0%				
Completing the Project Management Report	Nawwaf Ali, Yeonsoo	0%				
▼ Interim Presentation		0%				
Completing the interim presentation	Nawwaf Ali, Yeonsoo	0%				
▼ Code/Software Demonstration		0%				
Completing the code/software demonstratio...	Nawwaf Ali, Yeonsoo	0%				
▼ User Guide		0%				
Completing the User Guide	Nawwaf Ali, Yeonsoo	0%				
▼ Test Report		0%				
Completing the Test Report	Nawwaf Ali, Yeonsoo	0%				
▼ Final Project Presentation		0%				
Completing the Final Project Presentation	Nawwaf Ali, Yeonsoo	0%				
▼ Team Management Report		0%				
Completing the Team Management Report	Nawwaf Ali, Yeonsoo	0%				
▼ Final Project Report		0%				
Completing the Final Project Report	Nawwaf Ali, Yeonsoo	0%				