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# Lecture Monitor Personal Report

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# Introduction

I am Augustine Appiah, the Team Leader for the Backend team of the Lecture Monitor Project. With the Backend we basically build and maintain the server and database of the system to make the user-facing side of the website to be responsive. This was started on campus where we first familiarized ourselves with needed programming languages, git and other necessary tools we would need to finish our system. This Report states the role I played in Group Aratech as the backend Team Leader during the building of our Software Engineering Project, named Lecture Monitor.

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## Contribution to the Project as the Backend Team Leader

- Contributed in the setting up of the Boiler plates and modelling of the Database.
- Created and implemented the Sign in routes and login controllers for both Lecturer and Student to be able to sign into the system after they sign up
- Link the Login system to the database to authenticate already registered users before being able to sign into the Lecture Monitor system.
- Implemented a system for Personal timetable where student to setup a personal timetable for themselves, create, get, update and delete an event from their created personal timetable (Limited to be accessed by only student).
- Implemented a class timetable system which can only be created, deleted and updated by the Class Rep of a particular programme, also the timetable will be available to view by all participant of the particular class including Lecturer. (Class timetable controller, routes and model)
- Created assignment system (controllers, routes and model) using CRUD Implementation. For students can Read assignment which has being posted, the Lecturer does the Creating, Updating and deleting.
- Assigned duties to my team members, gave a deadline for the duty to be completed and tracked the process.
- Scheduled a number of Live coding sessions with my team members to explained my completed and pushed worked.
- Tracked the project improvement process and made error corrections and debugging in backend codes.
- Helped a number of my project group members with Git

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During our Stay in the house, I felt sick which got me in bed a couple of weeks. During this time, I adopted to giving out the remaining of our schedule to my team members and allocating a suitable deadline to them for that particular duty to be completed. All these while I still worked on the project but was on a slow process. I personally learnt a lot from this project, with work to meet a deadline, researching and use of Algorithm and their implementation methods. I got exposed to new API's and packages.

## **Requirement engineering**

The team member to a trip to KNUSTFORD University located at Bomso to embark on a Require Engineering exercise to distribute questionnaires to the student. This helped the team gather data for the requirement engineering process and as a team member I participated in the exercise.