COE 356

ARATECH ROLE REPORT

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Project Overview

Aratech took on the challenge of building a web and mobile application called *Lecture Monitor*. Lecture monitor is an application that always helps students to actively monitor and plan their personal activities and for them to be well informed about normal and impromptu activities of the class.

The development of Lecture monitor was to be made possible by splitting the Aratech members into 3:

1. Web frontend team
2. Mobile development team
3. Backend team.

The mobile and frontend would both be controlled by the same backend. I worked on the web frontend development team.

Although these were the major groups members of either groups were assigned non-technical duties to facilitate the development process.

Activities I engaged in

As a member of the frontend team we needed to decide first the technologies to use for the development. We chose React for building our user interface and Redux for managing our states. Other dependencies were added during development.

I took part in building the landing page of the application, writing styling for components of the application, worked on display of the student and lecturer pages. I also worked on navbar, footer and ensured good styles of various components of the application.

In the non-technical area, I was in charge of the designing and managing forms used for data collection from students. Data collected were simplified into charts that are presented in the report of the application.

I was also tasked by the project manager to produce the use case diagrams for the application.

Challenges

1. Higher cost of data bundle made and poor internet connectivity it made pair programming difficult.

2. Lower number of meetings as compared with the time we were in school.

3. So much distraction such as chores and wok.

Conclusion

Working on this team has been great amidst the challenges that came along the way. I have learnt a great deal with respect to the software development process, team-work and working with deadlines.