**Introduction**

We have developed a web-based secure role-based system for collecting student contributions for an annual university magazine in a large university for this project. In addition, we are required to design UML diagrams which include Use Case Diagrams, activity Diagrams, State Diagrams, Class Diagrams, and a documentation analysis for the system. The prototype system is linked with a MySQL server, namely Microsoft SQL Server Management Studio, to connect to the database.

We have chosen to develop the system using PHP language along with an open source Adobe XD which is a vector-based user experience design tool for web apps and mobile apps with the windows version. Initially, we create UI/UX design for our system which included such as guest, register page, login page, student page, coordinator page, manager page and admin page.

The Internet World Wide Web (WWW) is a basic empowering innovation for electronic business on the Web. Its hidden convention, HTTP Hypertext Move Convention, has been broadly used to synthetize various advances and segments, to incredible impact in Web conditions. We increased integration of web operating system for secure role-based system and database system technologies will lead to enterprise computing.

**Conclusion**

In this course enterprise web software development we learned a professional way to handle the project wisely. As developers we also regulate a rules Malaysia’s Personal Data Protection Act (PDPA) processing of personal data for commercial use inside the country. These rules obtain us end-user consent prior to processing any personal data, and to inform Malaysian users about the details of your website’s data processing. By working as a team, we learned how to work together to solve issues effectively.

The design implication we have applied in the project that we created such as UML case diagrams we have done some alters according to our system reason being that while we had already done the diagrams. Since our web server include user roles it’s indicate the client smart certificates for the access control mechanism in the server. The permission given of each role account depends on the policy of the Web server. We trained ourselves to use PHP language which we implement in Adobe XD software help us to create fully functioning overall system and given praise from the lecturer.

Web-based secure role-based system plays an important role to submit the student contribution papers arising hierarchical issues and giving proper data as a magazine for university. It is easy to consider administrative and functional scalability. Considering all the functions in good conditions, the public conveniences of using data, especially when dealing with the data, saves time, and boards are minimal. Savings are made in improving the quality and improvement of training.