Identification of problems and solutions

**Problems**

During iteration 1, we planned to complete 3 use cases: Login, Register and View Company and Stock Details. However, we only managed to complete Login and Register for iteration 1. We got an issue when we try to perform Login after we have done registration.

**Solutions**

We have solved the issue by using Firebase instead of the traditional way. Previously, we used MySQL and PHP to connect and update the registered users to the database. Thus, it needed some times to debug both side when there is any error occurs. After that we switched to the Firebase Authentication, it helps a lot by easing the process of coding for login and register. Firebase Authentication provides easy-to-use SDKs and backend services to authenticate users to the app. Authentication using password and other popular identity providers such as Facebook, Google and Twitter is also available. Using this method, password reset emails will also be handled and sent by the Firebase Authentication (Google Firebase, 2017). There are few other sign in methods available in Firebase Authentication. We are using Email providers as the sign in methods. Firebase is not only providing Authentication, there are many other features such as database, storage, hosting, functions, test lab, crash reporting and so on which will benefit our development process afterwards.