CS411 Group 4 Architecture Design

We decided to implement our web application using the MEAN stack layout. The Mean platform will allow us to write JavaScript throughout the stack on the front and back end. JSON can be used to transport data between the client, server and database. Since everything will be in JavaScript anyone on our team can provide support for others who may be struggling. The MEAN stack also allows easier object-oriented programming since JSON will transfer the data of the objects and MongoDB works well in storing these objects such as usernames and passwords.

Another framework we considered is the LAMP architecture. We decided against this stack because of several languages that are needed to create an application implementing this stack. JavaScript is also one of the most frequently used languages in web development and as such we wanted to have a better understanding of how to use it. It appears that more and more developers are relying on JavaScript and we wanted to have hands on experience using JavaScript.