**Team 9**

**Team Assignment 3: Analysis**

**Question 4**

PHP is conceptually simpler so it is easier to write statements in PHP. However, NodeJS is neater, using ECMAScript 6 which makes the code more organized. ES6 includes many features such as constructor and prototype methods, inheritance, event emitters, as well as modules that make the code structure clear. Node also comes with a package manager that is not provided by PHP as a default. By using NodeJS, one can use both front-end and back-end JavaScript to make the learning process more flexible. It is also easier to integrate NodeJS with MongoDB since they share a common programming language in JavaScript. Additionally, the performance of NodeJS is generally better, for example, NodeJS has a smaller interpreter. Unlike PHP, which follows the client-server model which launches its program with every request, NodeJS works permanently and requires only one initialization. Finally, NodeJS’s non-block I/O allows multiple requests to be accepted without interrupting the program.