CS411 Assignment 3

Group members: Jiayuan Zheng, Xu Chen, Lucas Arruda, Jennifer Tsui

We are going to use MEAN stack for our web application. One advantage of using MEAN is that we can use one programming language, which is JavaScript, for both server side(with Node.js) and client side(with Angular.js). Another advantage is that Node.js uses RESTful API and JSON for data-interchange, which loosely couple front end and back end, and thus we can work independently on the two. In addition, Both Node.js and Angular.js provide plenty of services (Angular.js has build-in service, and we can install npm to use functions of module libraries). We chose Node as our architecture/platform for developing solution for use cases. We chose Javascript for our project, and Node uses javascript, which makes node a good choice.

We are not choosing PHP. First, we can’t work on front end and back end independently as we do in Node. Second, PHP is open source, which is insecure since it pays little attention to security. This makes it inappropriate for our project especially we have to deal with both YouTube and Spotify accounts and their passwords; we don’t want any of this sensitive account information to land in the wrong hands.