CS 411 Spring 2016

Team Assignment 3

Group 10

Problem 4

We decided to use the MEAN stack because we are using the Spotify API, which uses a MEAN stack. Also, Node.js has several advantages compare to other architectures like PHP. For example, Node.js separates the model, view and controller, which makes our code clearer and more readable. In addition, Node.js is very easy to work with.

We chose not to use PHP, which would also have been a possible choice for us. While PHP is still a very good technology to use, Node.js is surpassing it in popularity and ease of use. Node.js is built on Javascript, which is a plus for our team, since none of us have experience building webapps. We can all learn Javascript relatively quickly since we have Java experience. Node.js also interfaces with Mongo instead of a SQL database, which is a more flexible database for us to have on the backend. Finally, Node.js is much better at handling multiple requests at one time and doesn’t require multi-threading like PHP, which means that we can have many users accessing the app at the same time without worrying about bottlenecking and collisions. Overall Node.js is an easier architecture to work with, which makes it good for our team of rookie web app builders. And since the Spotify API uses Node.js, it is a natural and easy choice for our web app to also use Node.js.