CS411 Assignment 3

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We are going to use Flask for the backend and Angular for the front end of our web application. We also are using SQLite as our database. Both Flask and Angular.js provide plenty of services (Angular.js has build-in service, and we can install npm to use functions of module libraries). Flask is advantageous because it is very flexible and simple in its implementation. Also, we are all very familiar with Python. We are choosing Angular because it uses Javascript and it is fast and efficient in execution. We are choosing SQLite because a relational database makes more sense than a nonrelational database for our project.

We are not choosing PHP. First, we can’t work on front end and back end independently. 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.