To: Dr. Hayes

From: Matthew Phelan

Subject: Github memo

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Configuration management aids developers in synchronizing their work, regardless of their geographical distance. This synchronization enables multiple people to work on the same project and keeps each individual up to date with the newest changes to the project. With each change, the previous version of the project is saved via version control; this feature is important because, if difficulties arise with the current version, the project can be rolled back to a previous, working version. One feature I think is particularly important is branching. With branching, multiple contributors can add branches that do not affect other branches in the repository. With this, new features and solutions can be tested without changing the main project, thus increasing productivity and innovation for the project.

Another important aspect of configuration management is its ability to document projects in a way that users can see the full scope of the project, changes and all. Users (I use users to refer to the broad group of customers, interviewers, or anyone who is interested in the code) can easily download portions of the it—or the entire project—for review. I was not aware that it was common practice for hiring managers to review a job seeker’s Github account; however, it is understandable that the hiring manager would like to review some of the job seeker’s work, and Github is a simple way to accomplish that. Overall, using some sort of configuration management will greatly enhance the organization and efficiency of the Software Development Life Cycle and lead to more productivity while also allowing each developer to keep record of the project for future review.