To: Dr. Hayes

From: Bailey Wells

Title: GitHub memo

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Software configuration management is important for many reasons, it helps organize, manage and aids in developing software projects. When working on a team to build a project, it is easy for code and documentation to become disorganized. With configuration management tools, it creates a more streamlined process for developers and managers to store these documents. A repository creates a place for all members of a team to access any documents, pertaining to the project. This allows for team members to keep an eye out on the project and ensure that the project is continuing as planned. Managing these artifacts becomes transparent with these tools, management can see how the project is moving forward. Management is also able to determine that everyone is doing their part. Software configuration management also helps with developing software because it allows for teams to work together more effectively. With SCM, teams can work on and run code, on multiple machines. This ensures that the code will run on different machines or operating systems, if needed. SCM is important because it allows for managers and developers to work together, as a project moves forward.

Software configuration management is a practical and necessary tool when it comes to building and designing software. As a student, I have used GitHub when working on group projects. GitHub is just one of many SCM tools. Using this tool, allowed all members to work on the same source code, and update it as changes were made. By using a repository to hold the source code, we were able to push any changes we made, so that all team members were up to date on the current code. GitHub also allows for instructors, to ensure that all team members were pulling their weight on the project. In my experience, using SCM tools such as GitHub, creates a more cohesive environment to create software.

My GitHub repository: https://github.com/baileywells/baileywells