**Version Control Software Report**

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Introduction  
When multiple developers collaborate on a project (e.g the development of a game, app, software etc) multiple logistical problems arise such as:

⦁ developers being up-to-date with the latest changes proposed by other dev's  
⦁ constant changes to code (or general documents)  
⦁ keeping working versions of the project seperate from versions that are still under development  
⦁ changes being implemented without the approval (or knowledge) of other dev's.

These issues are quickly and easily resolved with the implementation of version control softwares. These softwares operate by having a 'master' folder containing all working elements of a project. Should a change or addition need to be implemented, a developer can create a full, working copy of the entire project, make necessary adjustments, changes or additions and then upload the revised project for approval from the other dev's. Should everything be in order, this revised project can then be merged with the master folder and the other dev's can 'pull' those changes into their working copies of the master folder that they were busy developing. This eases workflow and ensures that all revisions are kept straight regarding the development of the project.

**Git and Github**

**VCS's and Their Use In Engineering**

**Personal Applications of Git and Github**

**VCS Functionality**