

ABSTRACT

Collaboration becomes inseparable part of software development. Large-scale software always involves many collaborators in the development process. Collaborators involved usually located at different places and times, thus a system that can handle this problem. Besides the problem of a different place and time, management files problem is also a main problems of the collaboration system.

In this final assignments, was designed and implemented a system that is capable of handling collaborative. Using git version control that is able to handle file management and a central repository for easy access from a different place and time. This system was also designed for the five-level users, that are tailored to structure of the team work in general.

From the results of the implementation and testing, obtained results of such, system was not have problems with ssh connection when used on the Linux operating system and OS X Mavericks and the operating system windows 7 there are problem with authentication ssh_key which always invoke phrases used id_rsa. While the results obtained from black box testing that all features have been running 100%.

Key Words : Collaborative Work, Git, Version Control, Repository