

openLL (Local Version Control System)

CCE- A | RUP Lab Project - Synopsis

Objective

To build a local version control system which enables a user to keep track of all editions that are made while working on a project.

Description

openLL is a local version control system (VCS). It will be used for source code management (SCM). It provides a multi user interface for access control, and offers features like registration, login, push, commit, save project, open project, remove a project, having multiple branches, and styling. It also has an embedded notepad as a service which will be used to make changes in the project files. The notepad will enable the user to make use of the VCS functionality from within the application. The user will be able to view all editions of the project, as well as the working code which will be available on the master branch.

Software requirements

- Language Used: C#, MySQL
- Programming Concepts used: OOP
- Visual Studio 2017
- MySQL for Visual Studio 1.2.7
- Platform: Microsoft Windows (Windows 7 or later)
- Drive API*

*Future Work

Future Work

- Integration with the Google Drive API to provide free private repository functionality.
- Collaboration with multiple users to work on a common repository.
- Enhance security features with modern cryptography techniques.
- Improved design for the notepad.

Team Members

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