Tree

- blobs
- trees
- hash

- + addBlob()
- + addTree()
- + getHash()
- + getBlobs()
- + getTrees()
- + toJson()
- + saveToDisk()
- + fromJson()
- + fromDisk()
- - generateHash()

-tree

Commit

- hash
- author
- message
- parentHash
- branch
- timestamp

- + Commit()
- + Commit()
- + getTreeHash()
- + getHash()
- + getAuthor()
- + getMessage()
- + getParentHash()
- + getBranch()
- + getTimestamp()
- + getTree()
- + toJson()
- + setHash()
- + setTimestamp()
- + fromJson()
- - generateHash()

-lastCommit

Repository

- rootPath
- currentBranch
- branches
- stashFilePath
- tags
- tagsFilePath

- + Repository()
- + addFilesToTree()
- + saveCommitLocally()
- + getLastCommitHash()
- + loadCommitContent()
- + loadBlobContent()
- + createCommit()
- + sendCommitToServer()
- + createBranch()
- + switchBranch()
- and 28 more...
- - loadCommitTree()
- - mergeTrees()
- - saveMergedContent()
- - saveBranchInfo()
- - loadBranchInfo()
- - resolveConflict()
- - saveStashInfo()
- - loadStashInfo()
- - restoreTree()
- - restoreTree()
- and 7 more...

QObject

-repository

RestoreWorker

- commitHash

- + RestoreWorker()
- + process()