GIT CHART SHEET v0.0.4

Distributed Version Control using Git

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Configuration tools:
Set the configuration for user information for all the local repositories.

$ git config –global user.name "[name]"
Set the username you want attached your commit transactions.

$ git config –global user.email "[email]"
Set the email you want attached your commit transactions.

Create a repository:
Start a new repository.

$ git init [Project-name]
Creates a new local repository with the specified name

Make changes:
Review edit and modify a commit transaction.

$ git status
Lists all new or modified files to be committed.

$ git add [files]
Snapshots files for versioning.

$ git commit -m "message"
Records file snapshots permanently in version history.

$ git commit -a -m "message"
Snapshots files for versioning and also records them permanently in version history.

$ git mv [source-path] [destination-path]
Rename or move the file from source to destination. Also supports wild card character * for bulk operations.

$ git rm [path]
Removes the file specified in path.

Undo changes:
Undo changes in working directory, staged index and reverting commits.

$ git checkout -- [path]
Undo changes in your working directory.

$ git reset HEAD [path]
Undo changes in your un-staged files.

$ git commit --amend -m "message"
Undo changes in last commit. Remember any changes in message or data will also change checksum.

$ git checkout <Checksum> [-- index.html]
Undo changes in the filename specified with respect to checksum.

$ git revert <Checksum>
Undo the changes till the checksum provided.

$ git reset --soft HEAD <Checksum>
Reset the position of HEAD pointer as per the checksum provided. Do not reset working directory and staging index.

$ git reset --mixed HEAD <Checksum>
Reset the position of HEAD pointer as per the checksum provided. Resets staging index but do not reset working directory.

$ git reset --hard HEAD <Checksum>
Reset the position of HEAD pointer as per the checksum provide. Also resets working directory and staging index.

$ git clean -n
Removes only untracked files.

$ git clean -f
Removes only untracked files forcefully.