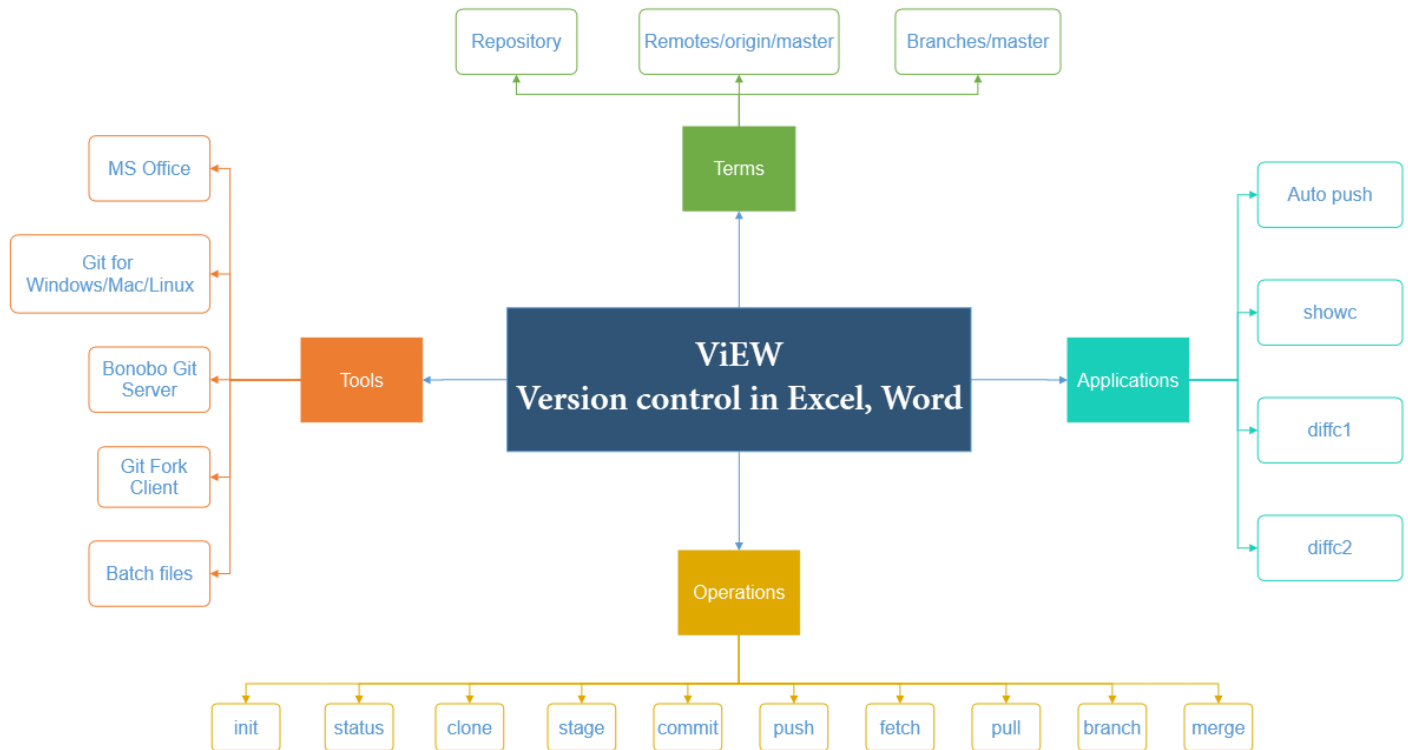


ViEW (Version control system in Excel, Word)

Version: 0.1

A software tool to use Git in Office | Excel, Word



Tools Installation

MS Excel 2013 Professional Plus

Bonobo Git Server

Fork Git Client

Git for Windows

Batch programs

Environment PATH variables

Terms

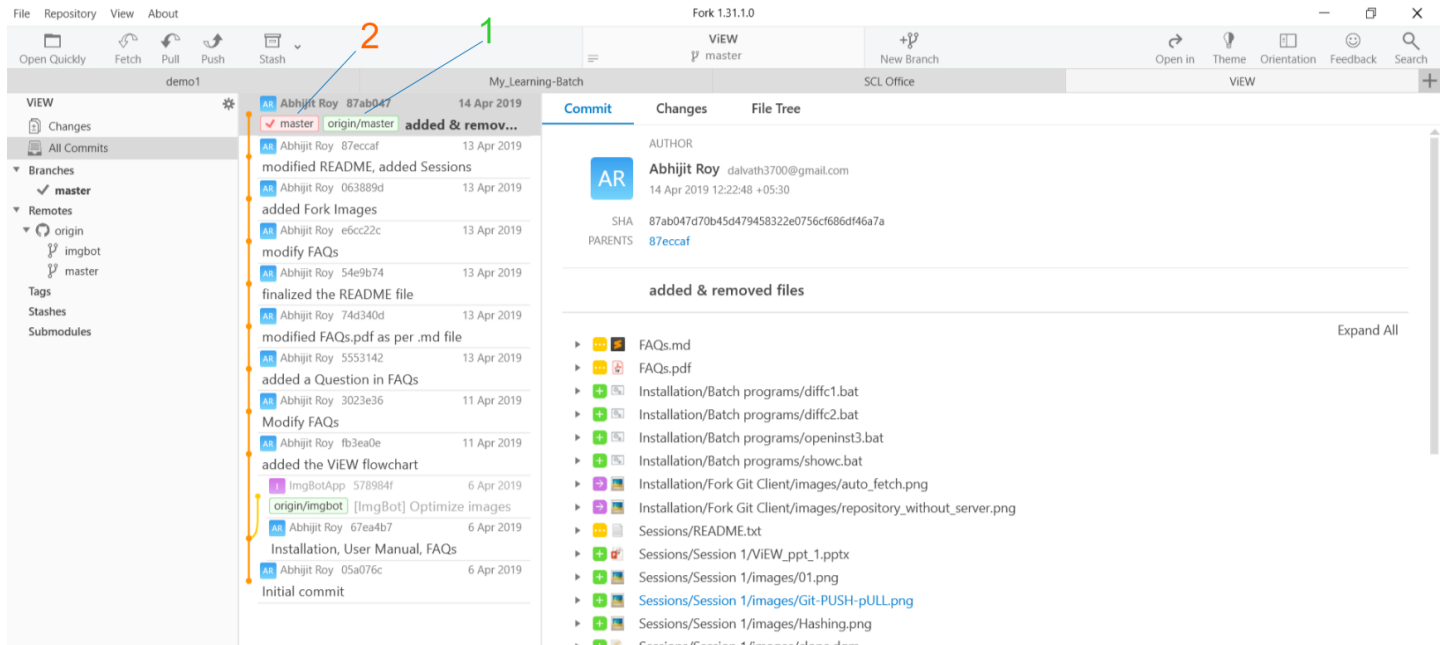
1. Repository

Repository is termed as any folder with files (any format), sub-folders inside it.



2. `remotes/origin/master`

It refers to the **master** (or main) branch of the repository kept at remote server.



In the image above,

1 - shows the `origin/master`, basically the master (or main) branch of repository (named - ViEW) kept at remote location.

3. `branch/master`

It refers to the **master** (or main) branch of the repository (named - ViEW) kept at local storage (like PC, desktop).

In the image above,

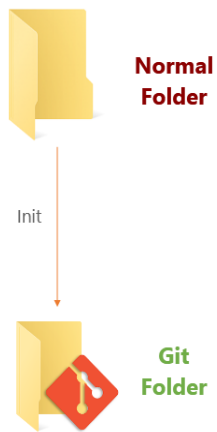
2 - shows the `branches/master`, basically the master (or main) branch of folder kept at local location.

NOTE: Both the masters (at remote & local) are in sync.

Operations

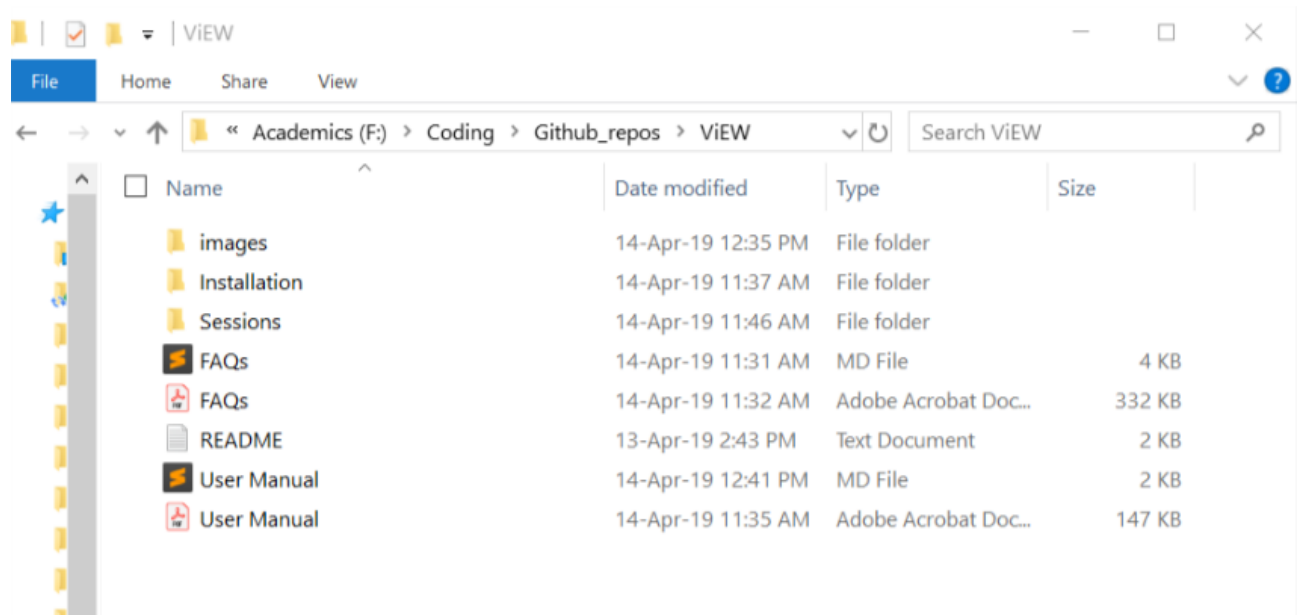
1. `init`

It refers to initializing a non-git (or normal) folder to git repository.

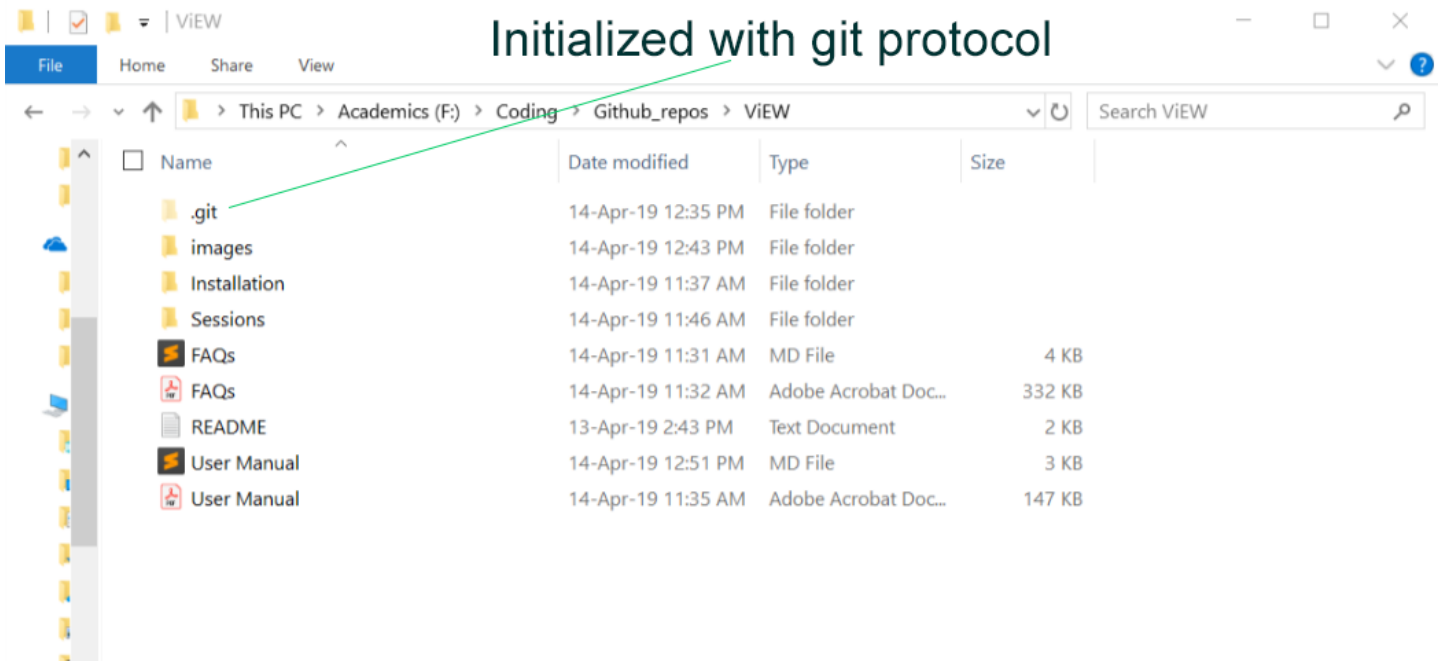


Example:

Normal repository:



Git repository:

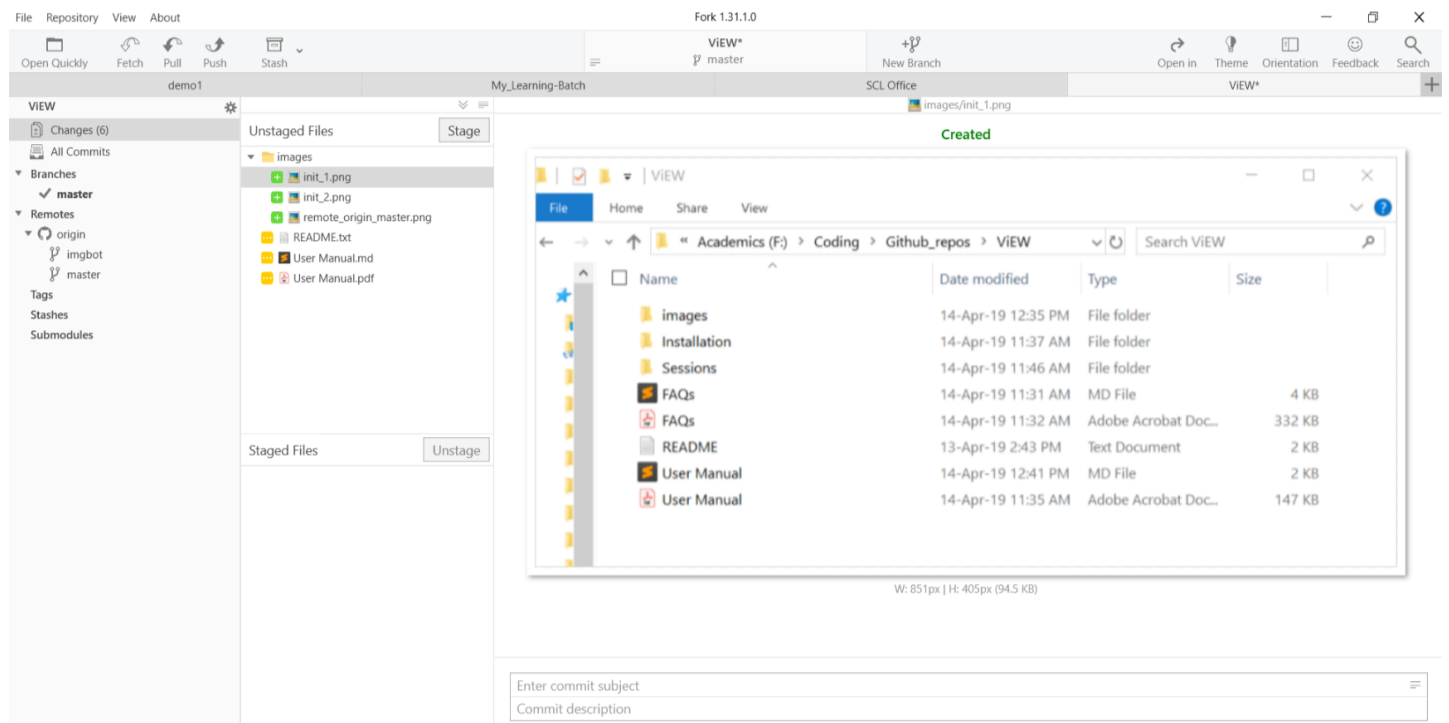


NOTE: From now onwards, **Git repository** will be called as **repository** (in short).

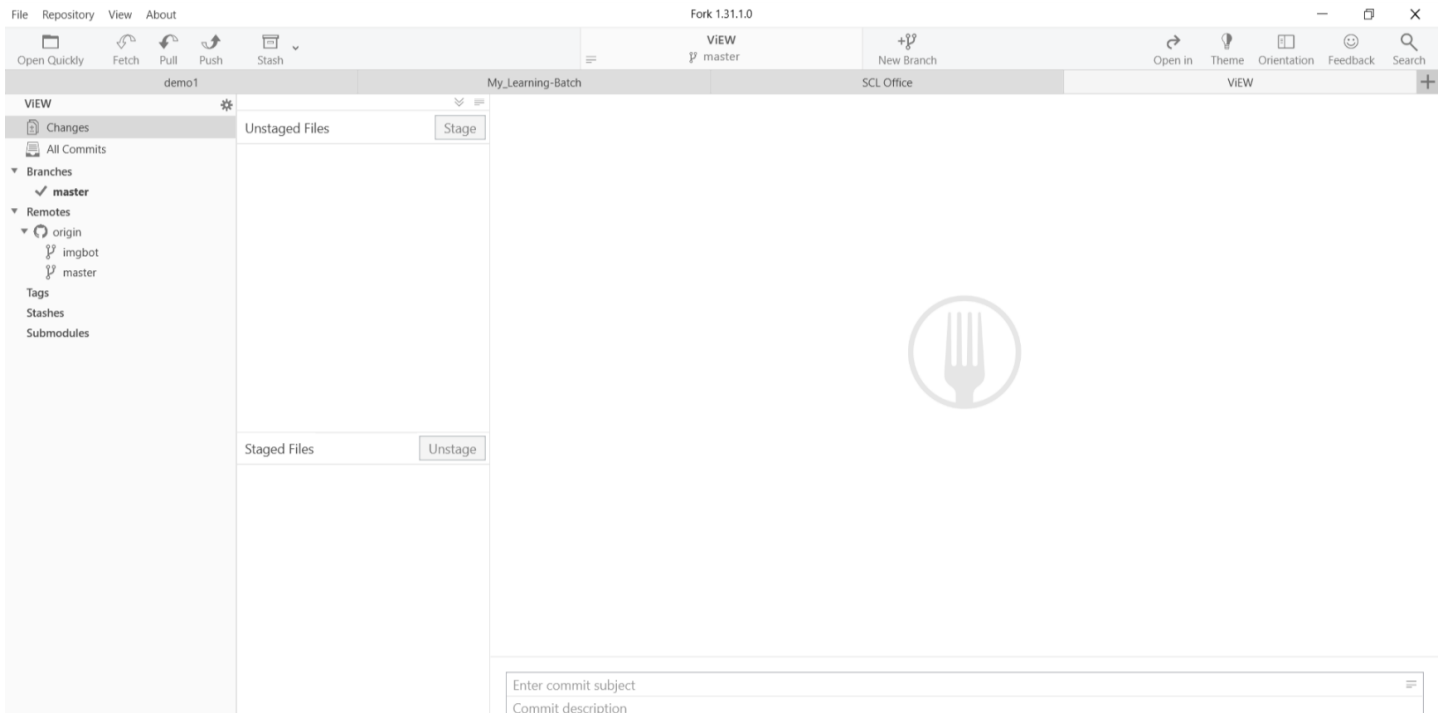
2. status

It shows the status of the files (inside repository) changed. To see the changes (if any), click "Changes" on the left pane of Fork Application.

Example 1: Status showing file changes

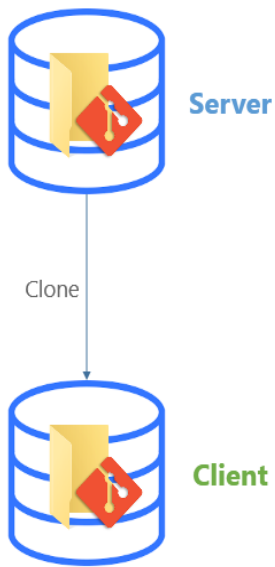


Example 2: Status showing NO file changes

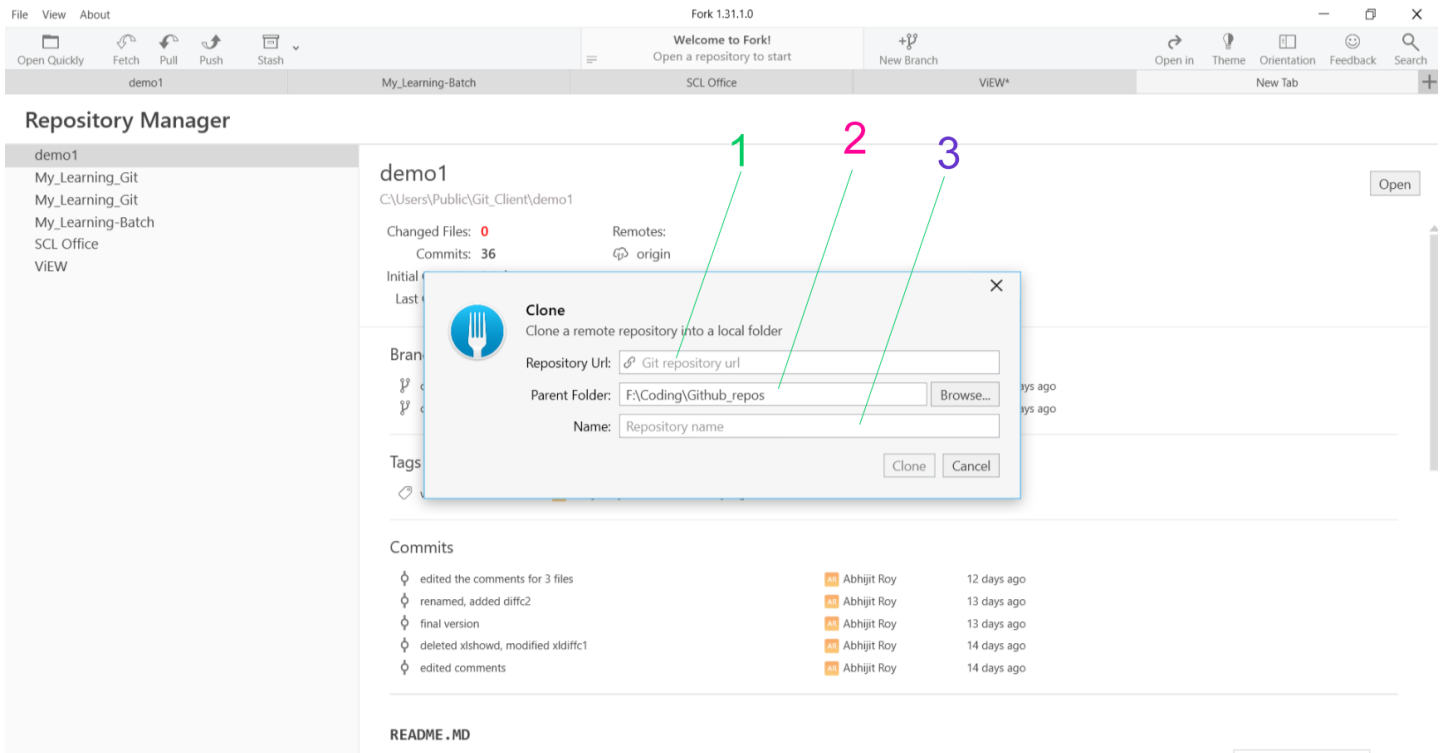


3. clone

This is to clone/download the repository (from remote location) to a desired directory in the local PC/Desktop.



Example: Clone a repository



In the Image above,

- 1 - Remote URL of the repository. E.g.: "http://localhost/Bonobo.Git.Server/demo1.git"
- 2 - Local directory where the repository is to be cloned.
- 3 - Custom Name for the cloned repository.

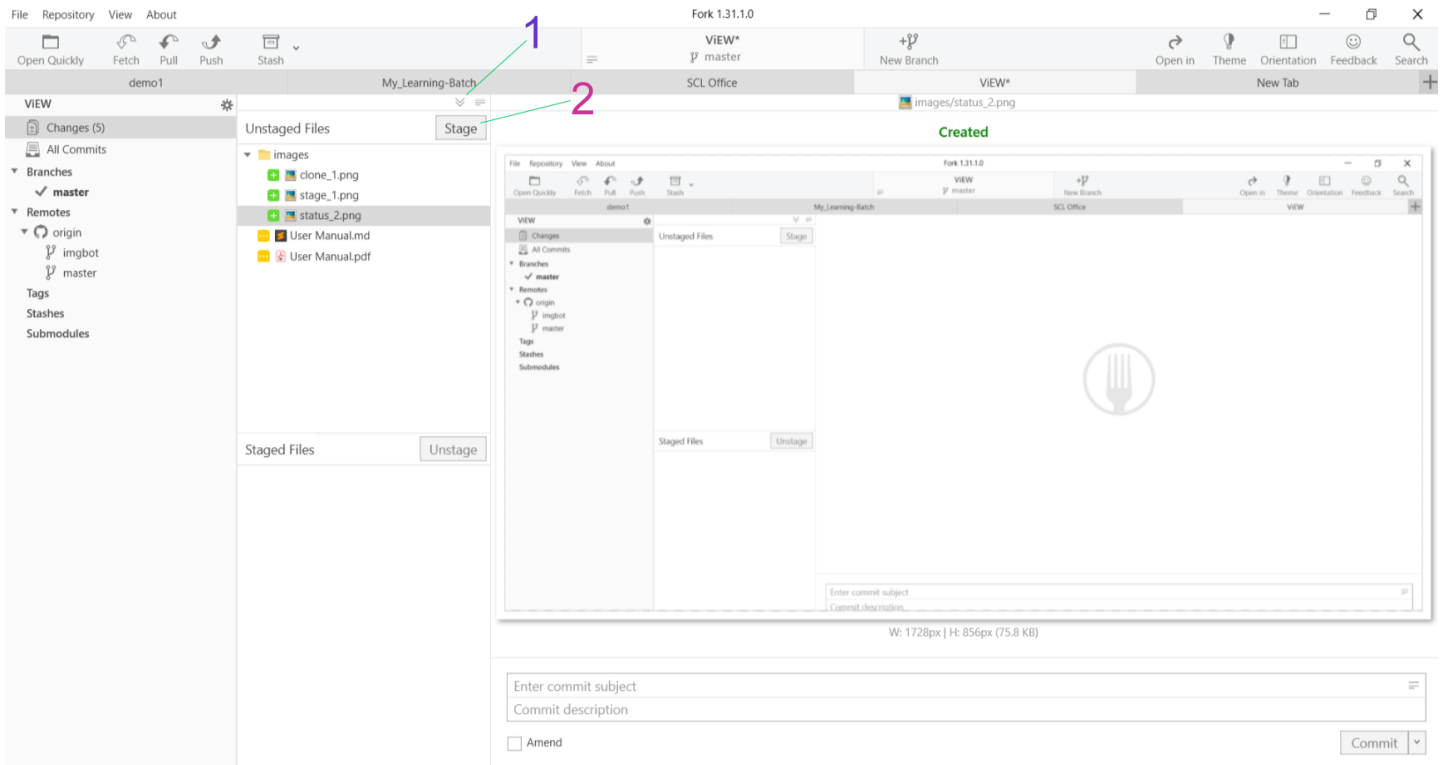
4. **stage**

Add file(s) to the Staging area. It's like adding/registering files for recording changes (in the repository).



In the image above, user has to stage the file(s) to **Staging area** before recording changes.

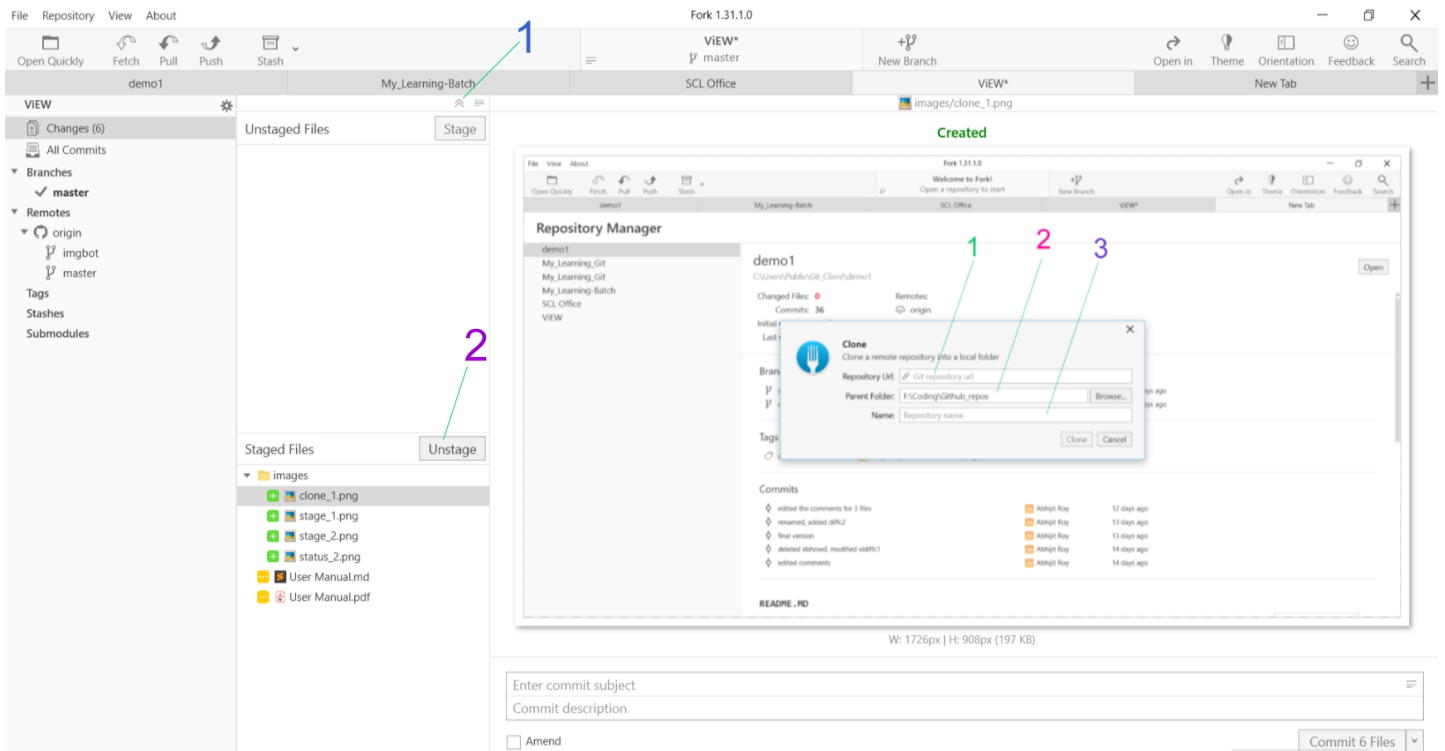
Example: Unstaged Files



In the Image above,

- 1 - Stage all file(s)
- 2 - Stage selected file(s)

Example: Staged Files



In the Image above,

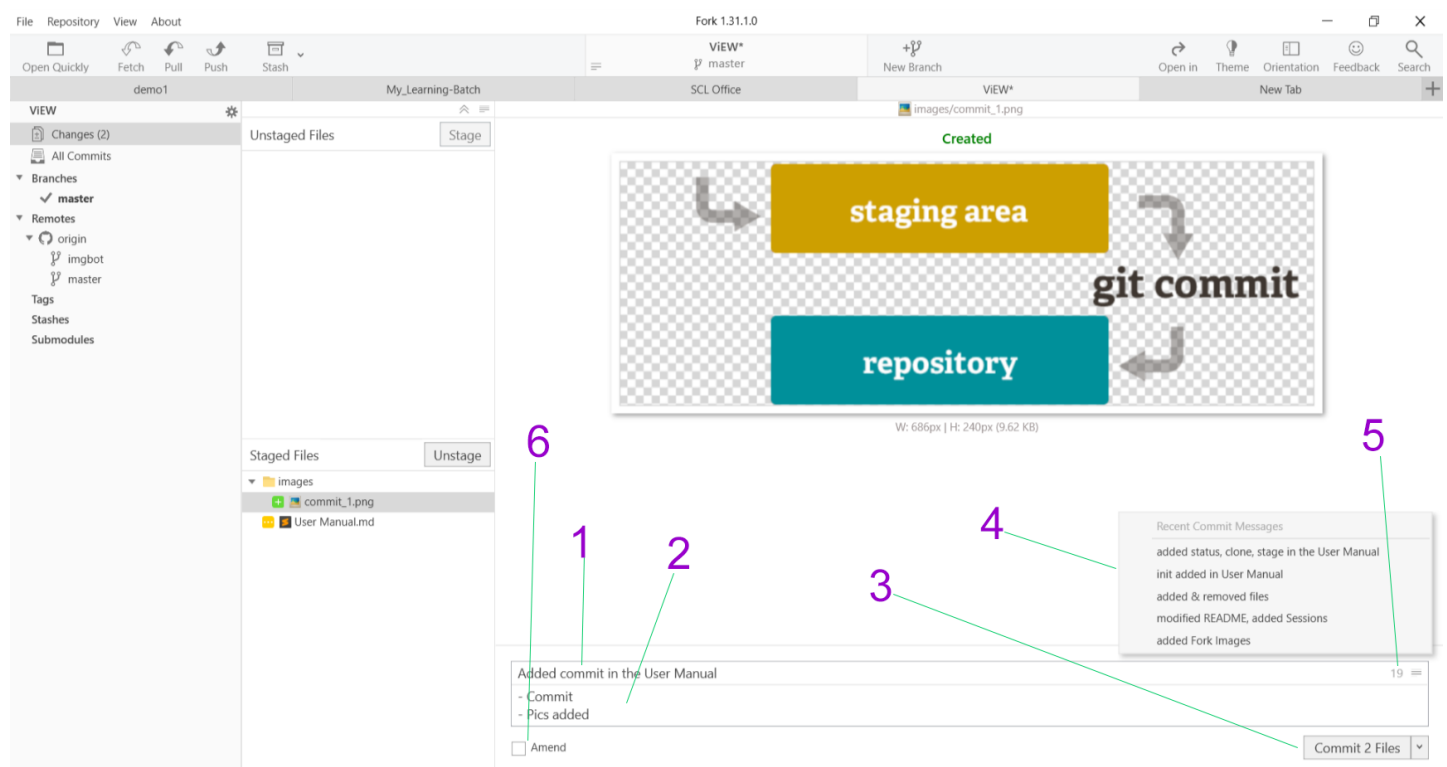
- 1 - Unstage all file(s)
- 2 - Unstage selected file(s)

5. commit

This is to record file changes and add it to the chain history. Here, **commit** means assigning a random unique no. (called as Cryptographic Hash) to a change.



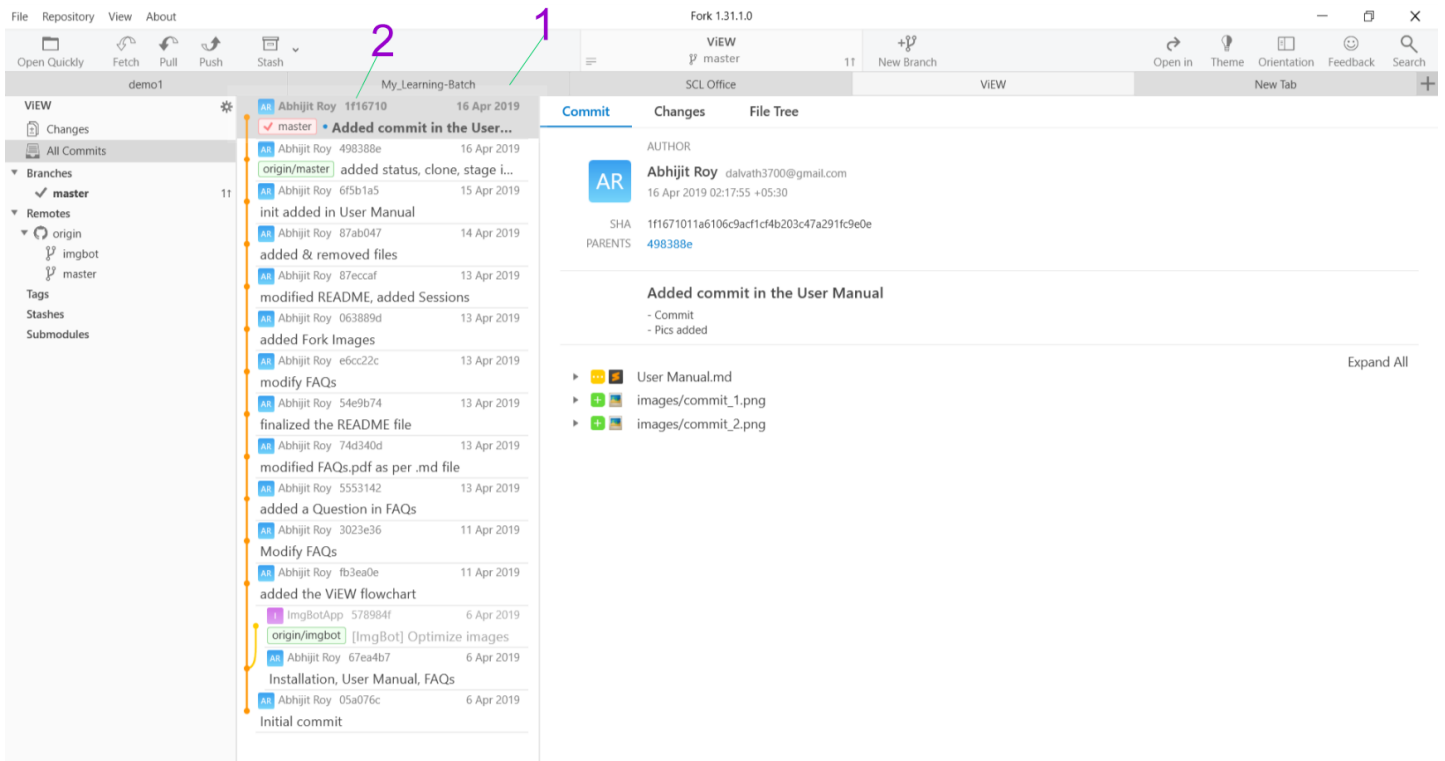
Example: Commit the Staged files



In the Image above,

- 1 - Commit Message Title
- 2 - Commit Message Description
- 3 - Commit button (when clicked => committed/recorded)
- 4 - Old Commit Message Titles. Can be used when repetitive title required.
- 5 - Show Old commit message titles
- 6 - Amend button i.e. when clicked, automatically uses last message title and description

Example: Commit added to the Chain history



In the Image above,

- 1 - Latest block (with files changes) added
- 2 - commit Hash (unique Cryptographic Hash using SHA1 Algorithm)

6. **push**

7. **fetch**

8. **pull**

Utility

- **showc**
- **diffc1**
- **diffc2**
- **autopush**
- **allsync**

Advanced Features

- File change security - TODO
- Old Block security - TODO