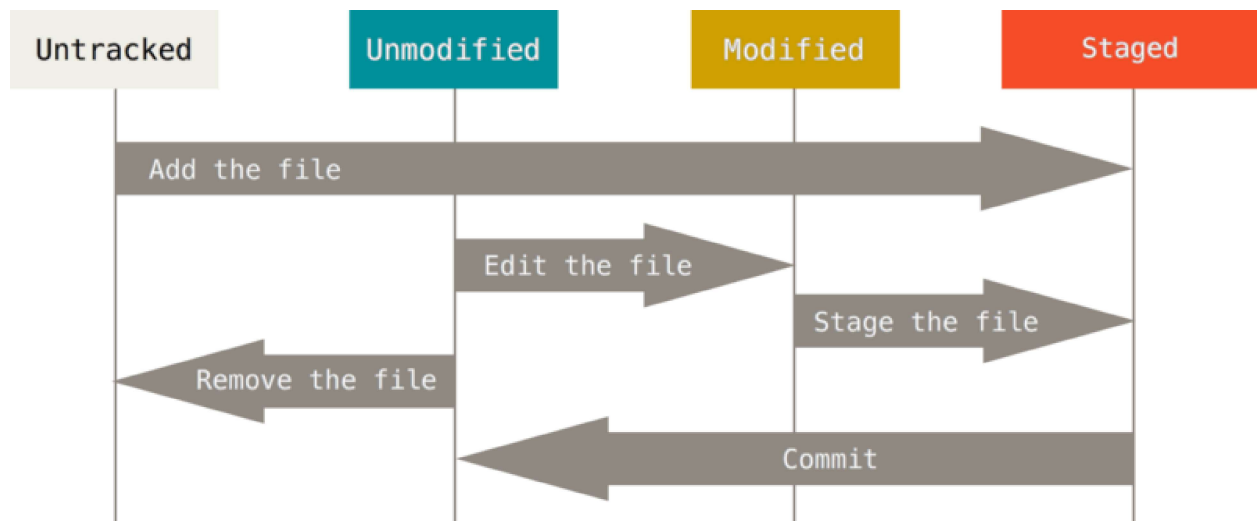


CS61B:

Day 1:

Using Git and its relationship with Transactions:



- Git init: initialize a repository
- When add the file:

```
git add ./tofu/kung_pao_tofu.txt #only added to the to be commit
```

```
git commit -m "log" #commit change with a log
```

```
Git status
```

- When edit file (modified): modifies the file and the

```
git add ...
```

```
git commit -m "log"
```

- When remove file (rollover to last checkpoint)

```
git checkout 9f955d85359fc8e4504d7220f13fad34f8f2c62b ./recipes/tofu
```

```
#id here is the last commit checkpoint's id.
```

- untracked files: These files have either never been tracked or were removed from tracking. Git is not maintaining history for these files.
- tracked files: These files have been added to the Git repository and can be in various stages of modification: unmodified, modified, or staged.
- An unmodified file is one that has had no new changes since the last version of the files was added to the Git repo.
- A modified file is one that is different from the last one Git has saved.
- A staged file is one that a user has designated as part of a future commit (usually through use of the git add command). We can think of these as files which have lights shining upon them.