

Lab 4

Git



Announcements

Midterm 1 is on Friday, 9/27 from 7-9 pm.

- Midterm Review Session on Friday, 9/20 from 11-1 PM in Soda 273/275/277

Project 1B is due 9/20 at 11:59 pm.

- Intro Section on 9/17, 2-3 PM
- Project Party on 9/18, 3-5 PM



Git vs Github



Git vs Github

Git and Github are not the same!

Git is a version control system that helps keep track of changes in your files. **Github** is an online platform that hosts git repositories (the location where changes to our files are tracked).



Git Structure

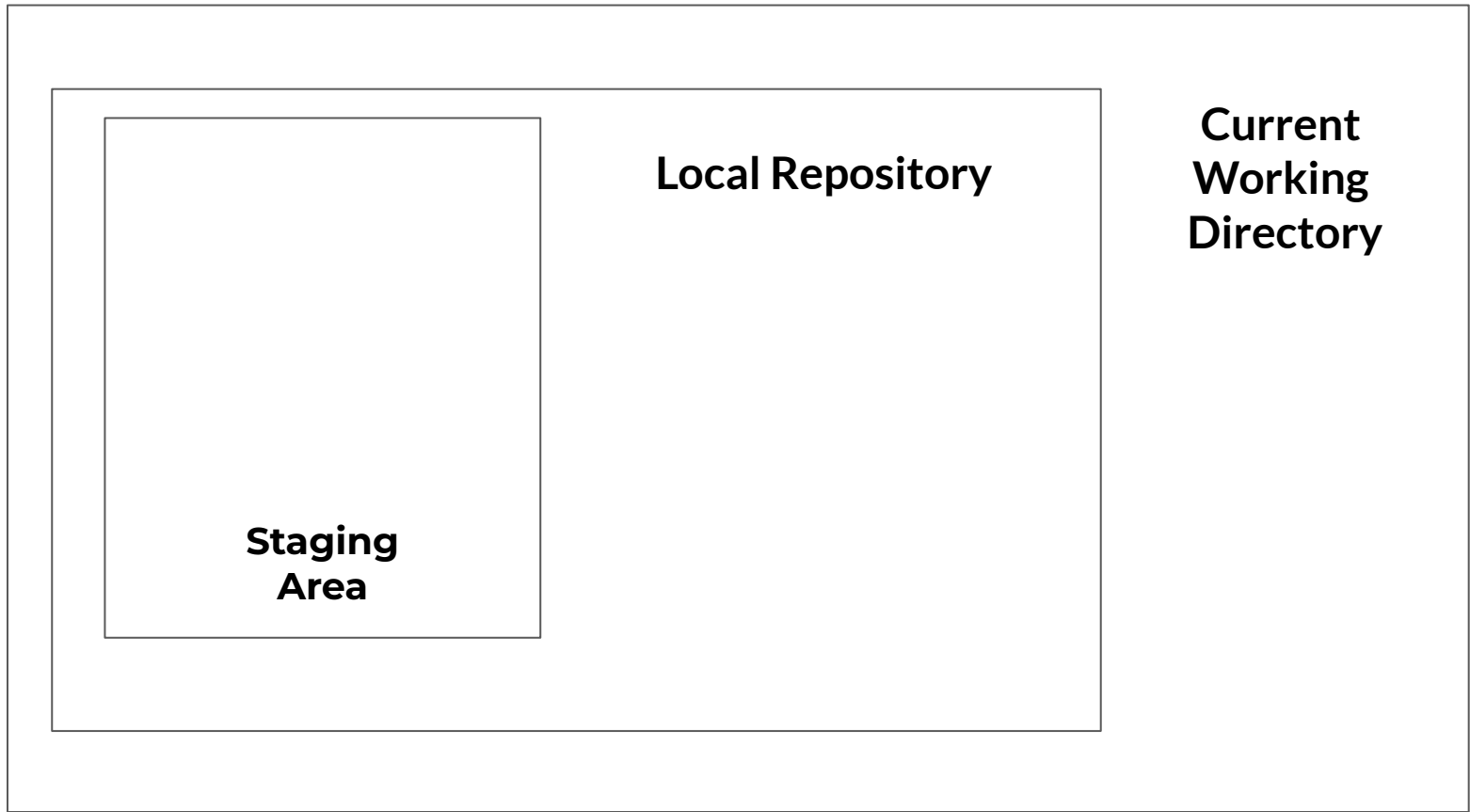


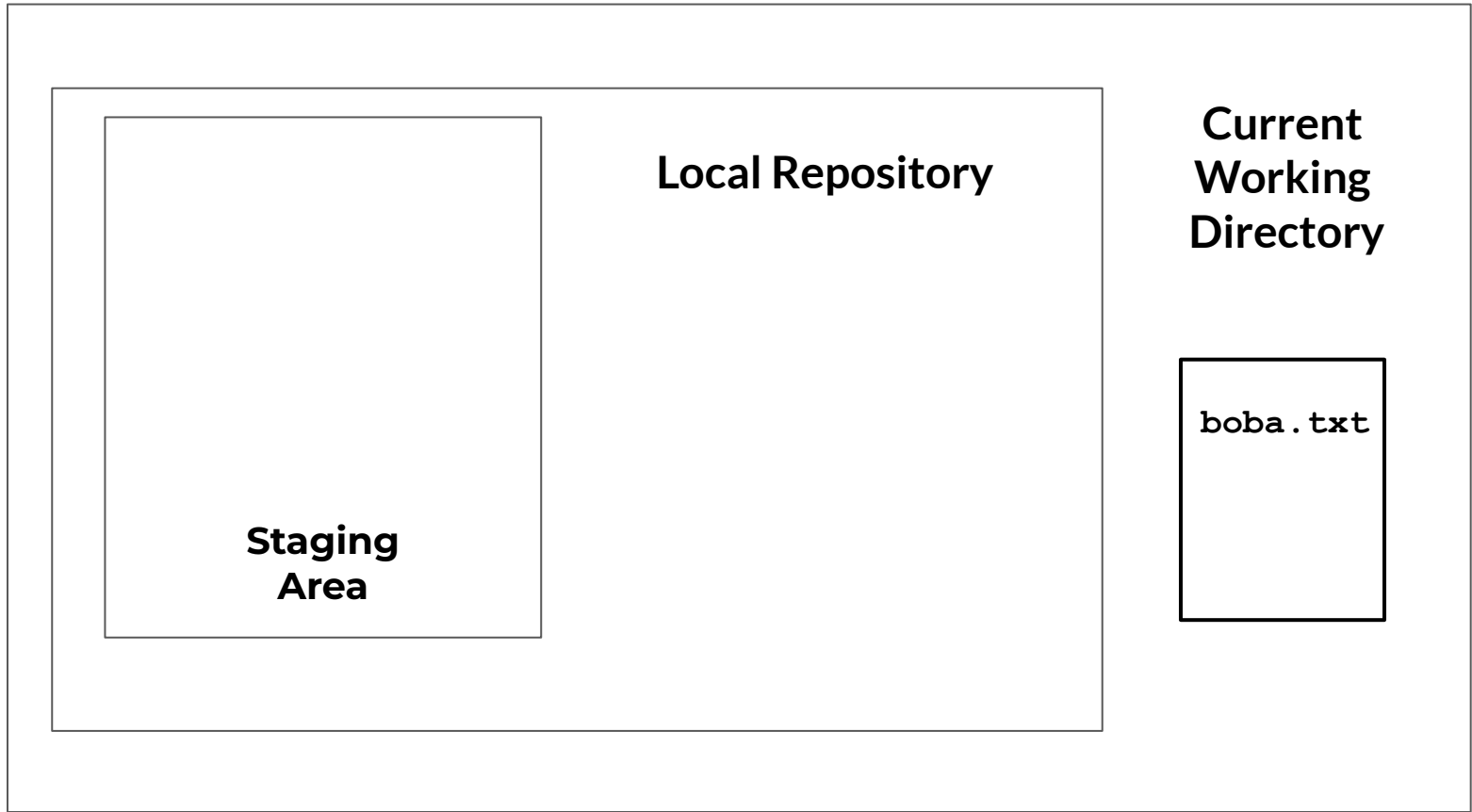
Submission Workflow

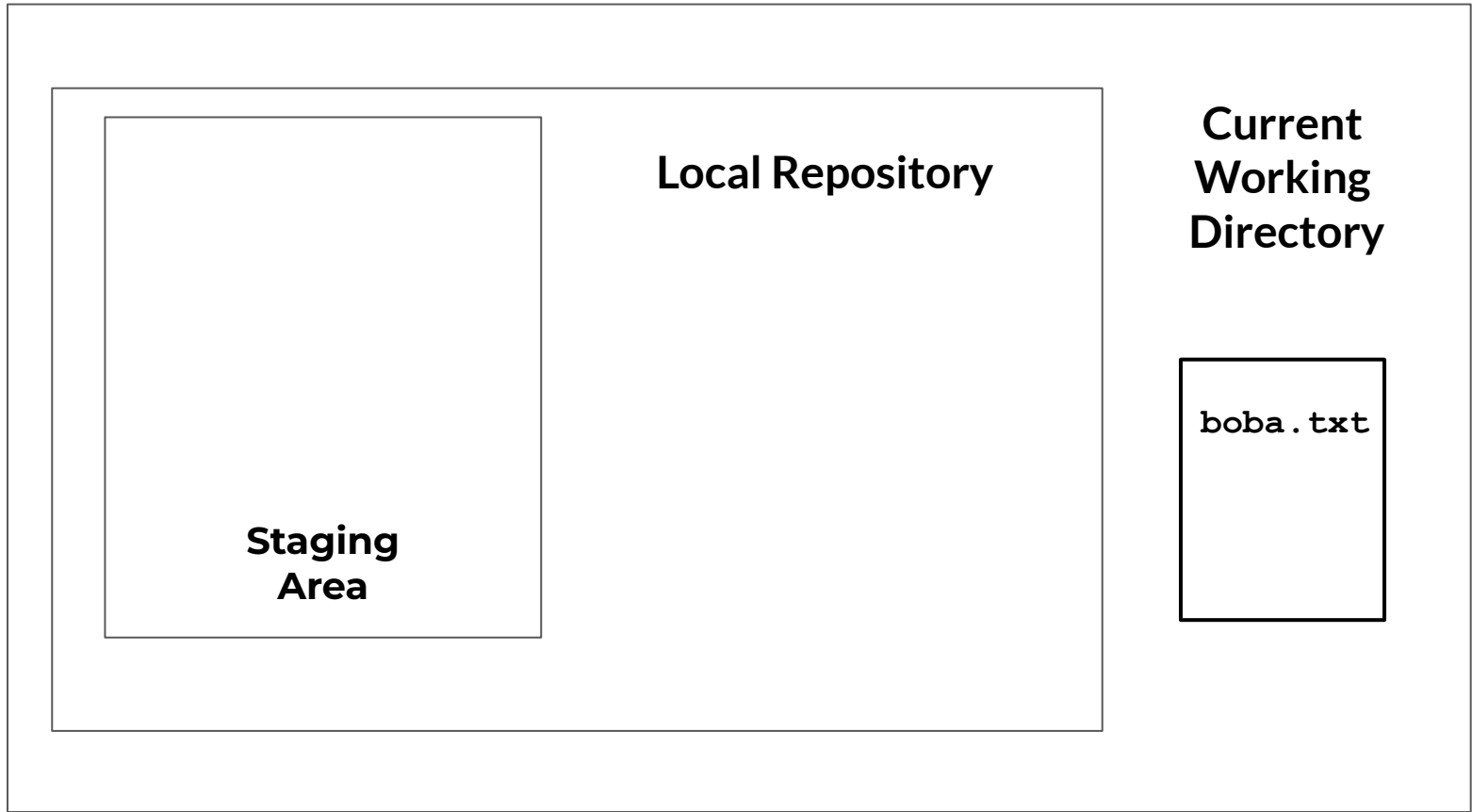
The general workflow for submitting in this class has always been:

```
git add  
git commit -m "Finished lab04"  
git push origin main
```



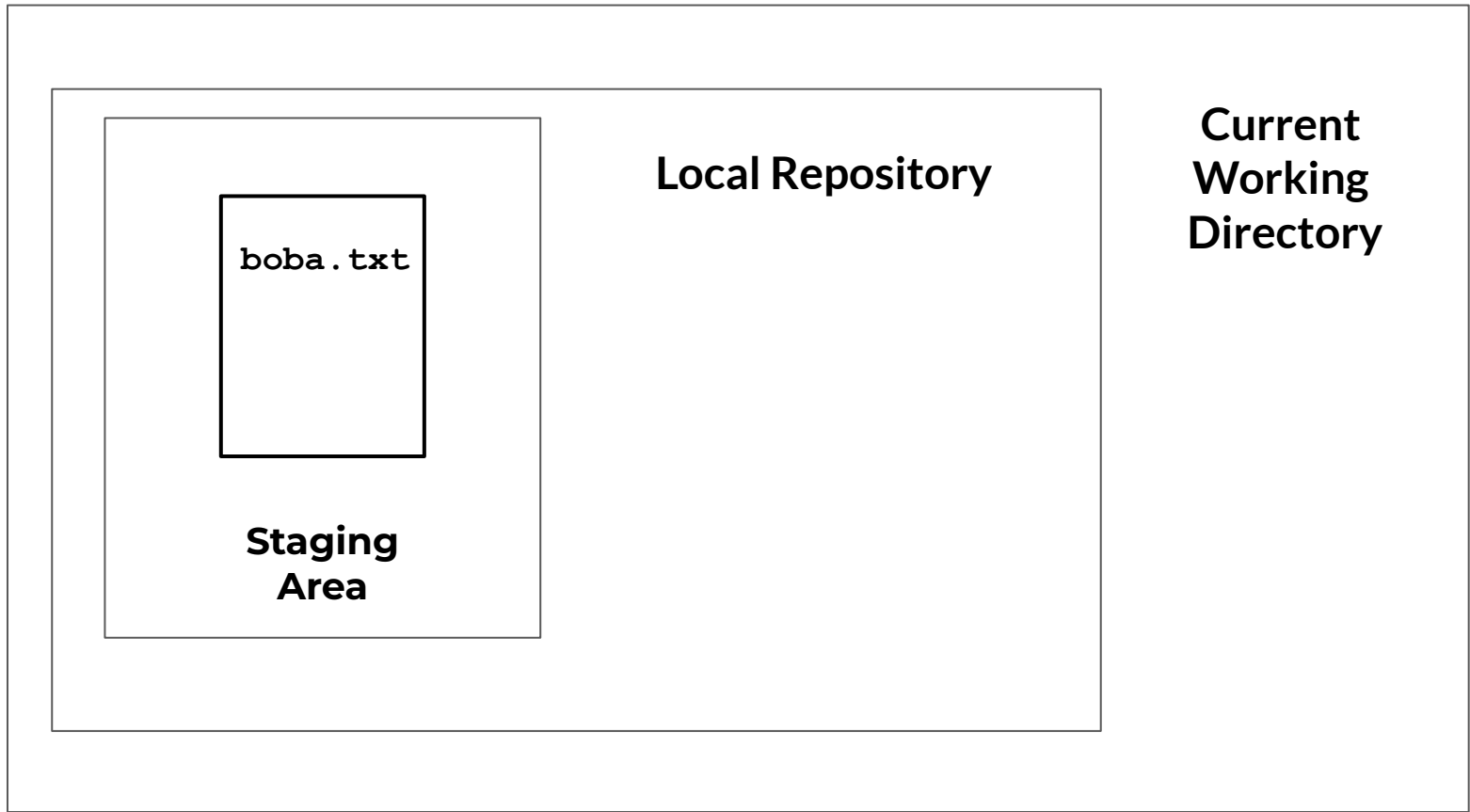






```
git add boba.txt
```

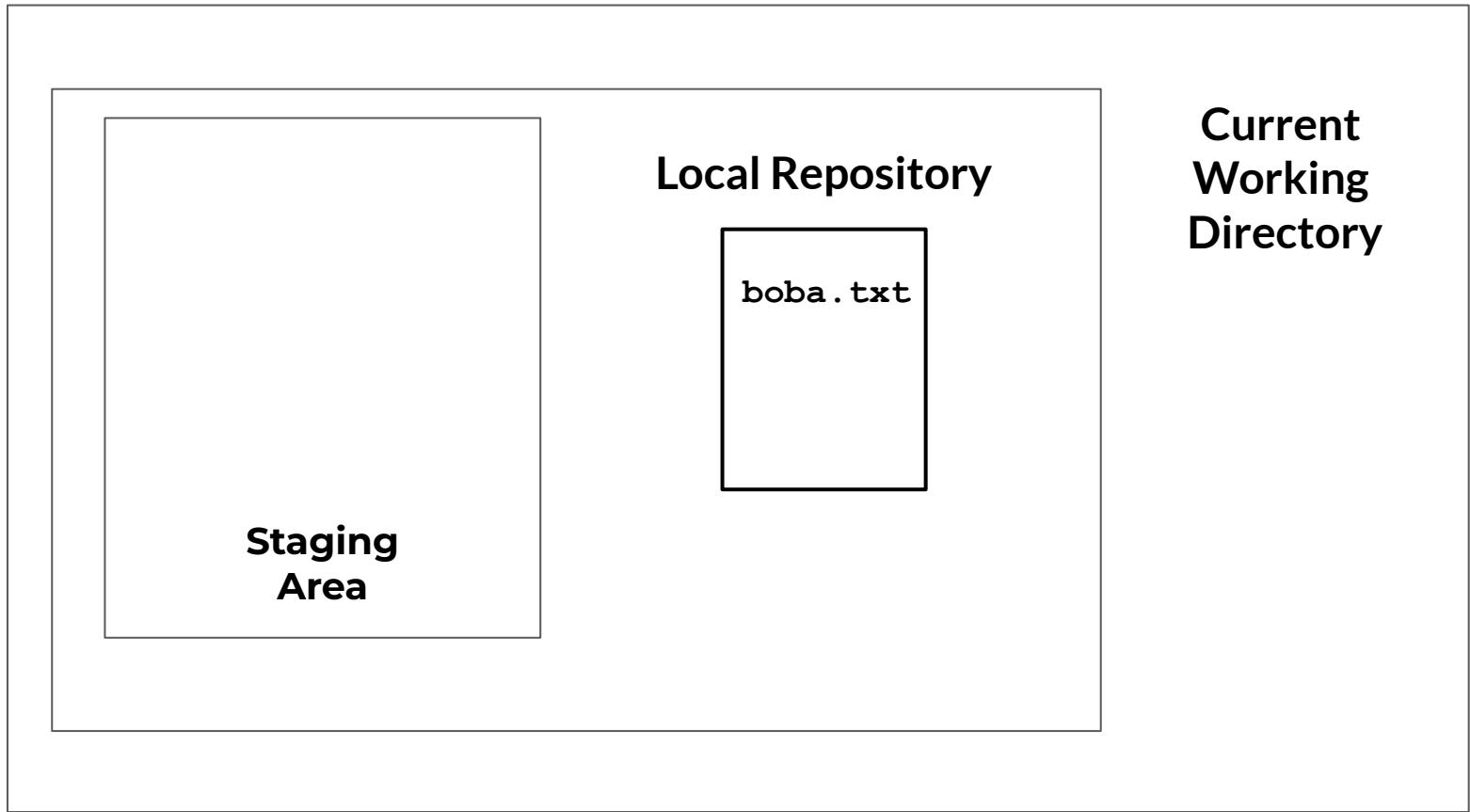






```
git commit -m "Commit boba.txt"
```





Local Repository

`boba.txt`

Remote Repository



Local Repository

boba.txt

Remote Repository

```
git push origin main
```



Local Repository

`boba.txt`

Remote Repository

`boba.txt`



Git Commands

You'll learn more git commands in this lab, and some you may have already seen before.

As an additional note, while we warn you to be careful about running commands that you might find online, we encourage that you do search up things if you don't fully understand it (i.e. documentation, etc.).



Lab Overview



An Overview

Lab 04 is due Friday, 9/20 at 11:59 pm.

- Make sure to read through the spec thoroughly, especially for Git Exercise Part 2.
- Do things in order (don't skip around)
- It is recommended that you **DO NOT** look things up online for git help as it might harm you.

Deliverables:

- `magic_word.txt`
 - There are four passwords in total. Make sure to read the spec, as there is a specific order that they should go into the file.

