SLU DSS: Git & GitHub

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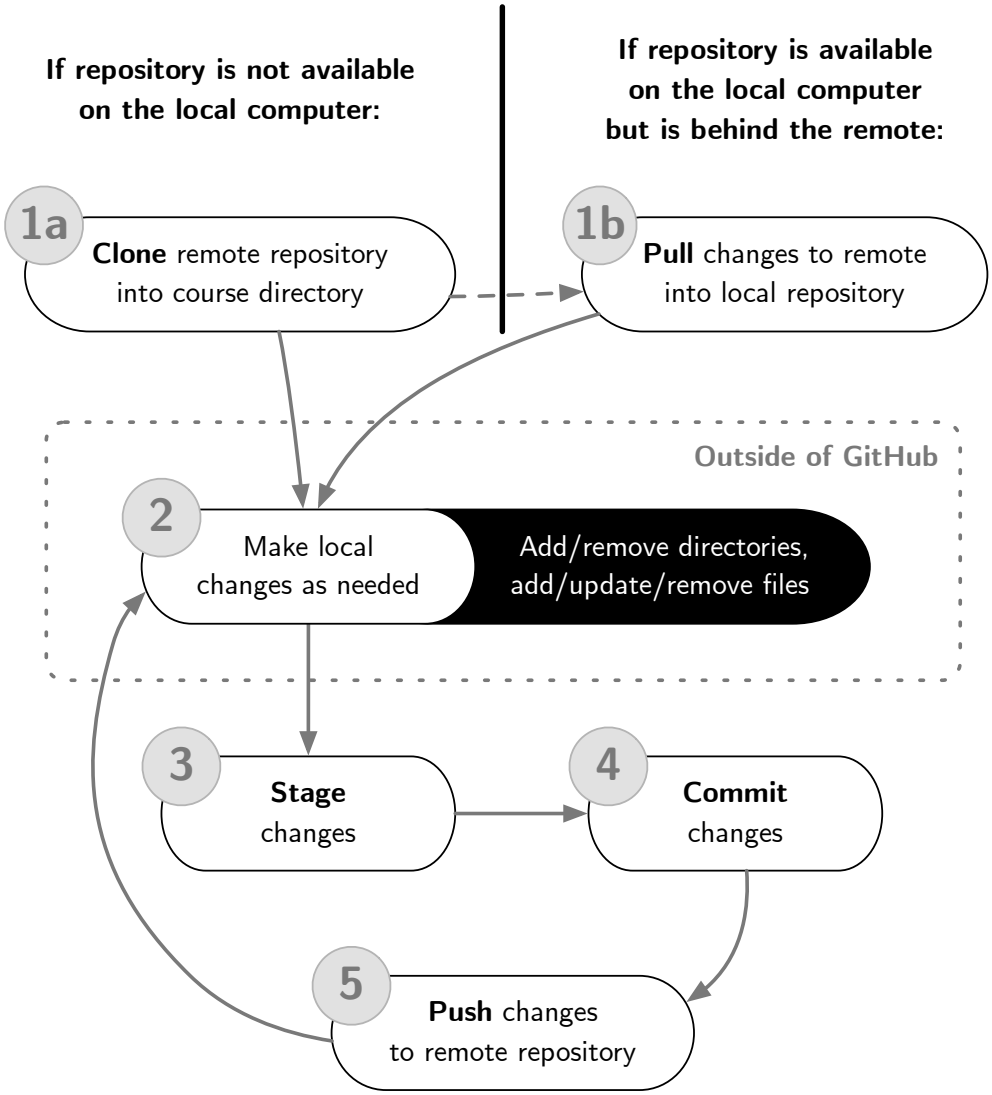
Basic Workflow



Workflow Tips:

Keep only one (and only one!) local copy of each repo, commit changes early and often, check GitHub.com after pushing if you want to ensure things worked!

Basic Bash Commands

```
$ cd [.]
```

Change working directory.

Basic Git Commands

```
$ git init [repo-name]
```

Creates a new local repository.

```
$ git clone [url]
```

Creates a new local repository with the specified name.

```
$ git status
```

List all new or modified files to be committed.

```
$ git add [-A] [file-name]
```

Snapshots (or "stages") the file (or all files with `-A`) for versioning.

```
$ git reset [file-name]
```

Unstage the file.

```
$ git commit -m "[message text]"
```

Records file snapshots permanently in version history.

```
$ git push [alias] [branch-name]
```

Upload all local changes to GitHub; the `alias` is typically `origin`.

```
$ git pull
```

Downloads history and updates repository.

```
$ git branch [branch-name]
```

Create a new branch.

```
$ git checkout [branch-name]
```

Switch to the specified branch.