

Git Cheatsheet

Working with local repository

- `git init`
 - creates new git repository
- `git clone <url>`
 - clones an existing repository
 - `git clone https://github.com/bujdeabogdan/git-cheatsheet.git`
- `git add`
 - adds file to staging area(prepare for commit)
 - git only commits files that are in the staging area, this way you can change many files but you can select which files to commit and which ones to not
 - `git add file.txt`
 - `git add .`
 1. this one adds all the files in the staging area
- `git commit`
 - creates a snapshot of the repository
 - saves the state of the files at a certain moment
 - `git commit -m "commit message"`
 - `git commit -a -m "this commits all the files in the repository even if they are in the staging area or not"`
- `git commit --amend`
 - useful when you made a commit but you want to include other changes in that commit
 - let's say you forgot to change the db ip from local to production, and you don't want to make another commit, or you made a mistake in the commit message
 - the flow is like this:
 1. you make the bad commit
 - `git commit -m "bad commit"`
 2. make your changes(create/update/delete files) and stage them
 - `git add .`
 3. amend the commit
 - `git commit --amend -m "new message"`
 - or if you don't want to change the message
 - `git commit --amend --no-edit`
- `ignore files`
 - when you want to ignore certain files or type of files, you can use `.gitignore`
 - this is a file in the root of the repository, that contains the name/path/type of file(s) that you want to ignore
 - here are some examples:

1. *.exe

- will ignore all exe files from all folders

2. file.tmp

- will ignore the files named "file.tmp"

3. /bin/*.txt

- will ignore all the .txt files in the folder bin