



Școala
informală
de IT

Front-End Web Development Tools



Agenda

- **Chrome Developer Tools**
- **Git & GitHub**
- **Visual Studio Code**
- **Windows and VS important shortcuts**

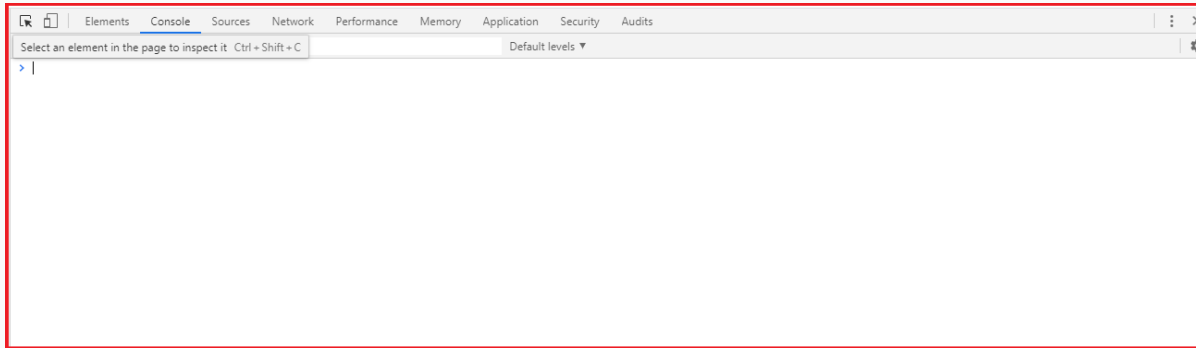
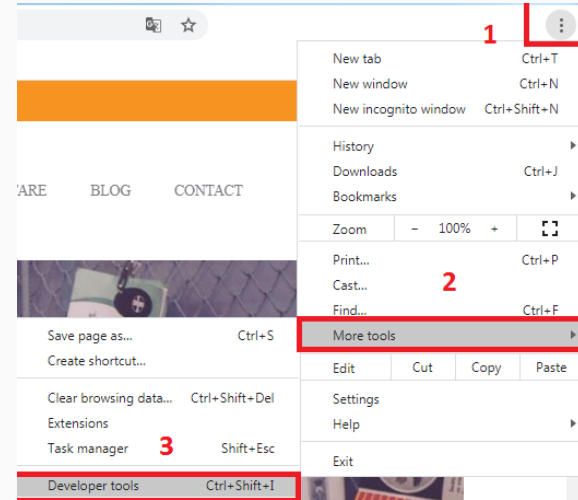


Chrome Developer Tools



Chrome Developer Tools

- F12
- Ctrl + Shift + I
- Customize and control Google Chrome → More Tools → Developer Tools

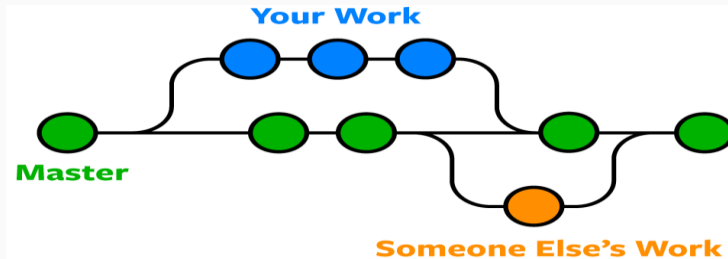


Git & Git Hub



GIT(Version Control System)

- Distributed VCS(Version Control System)
- Repository(files, history, configuration files managed by Git)
- Commit (history, sha1 unique identifier)
- Branches(timeline with commits, master – default branch)
- HEAD – pointer to last commit on the current branch
- Remote – Related repository – NOT LOCAL – GitHub, GitLab, BitBucket...



GIT Installation

- **git-scm.com**
- **Download Git for Windows/Mac**
- **Install with almost default options**
- **Open gitbash on Windows or terminal on MAC**
- **Type git - -version**
- **Type git help to check the basic commands**
- **git help <command> to see a specific command details**



Git Initial Configuration

- Open gitbash
- 1. `git config --global user.name "Andrei Popescu"`
- 2. `git config --global user.email "andrei.popescu@gmail.com"`
- 3. `git config -- global -- list`

Basic git bash(linux) commands

cd ..	move up one level in the directory tree structure
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cd	change directory to \$HOME
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cd /chosen/directory	change to specified directory
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touch [file_name]	create a new file
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ls	list files in directory
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ls -a	list all files, including hidden
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pwd	show the directory currently working in
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mkdir [directory]	create a new directory
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rm [file_name]	remove a file
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rm -r [directory_name]	remove a directory recursively
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rm -rf [directory_name]	remove a directory recursively without requiring confirmation
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cp [file_name1] [file_name2]	copy the contents of the first file to the second file
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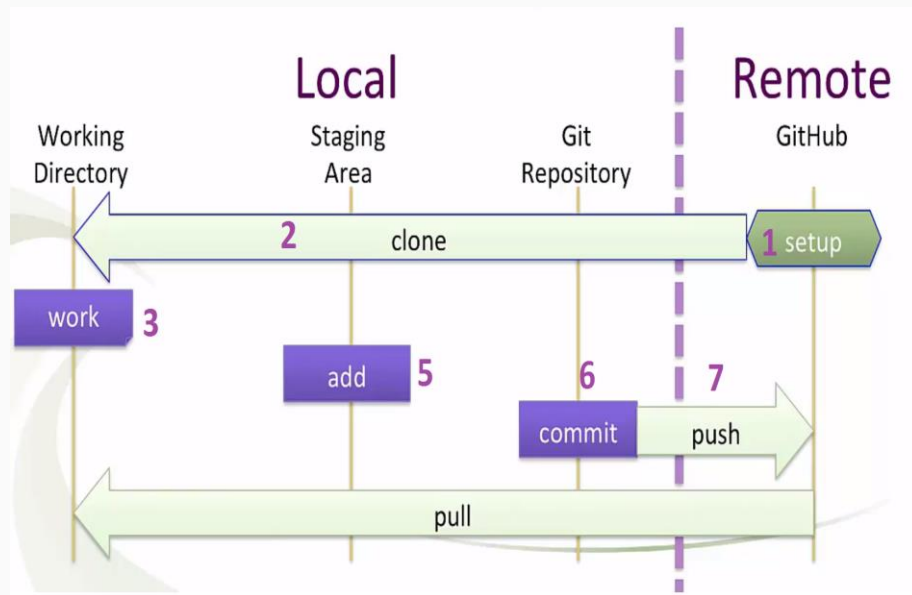
cp -r [directory_name1] [directory_name2]	recursively copy the contents of the first directory into the second directory
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mv [file_name1] [file_name2]	rename file_name1 to file_name2
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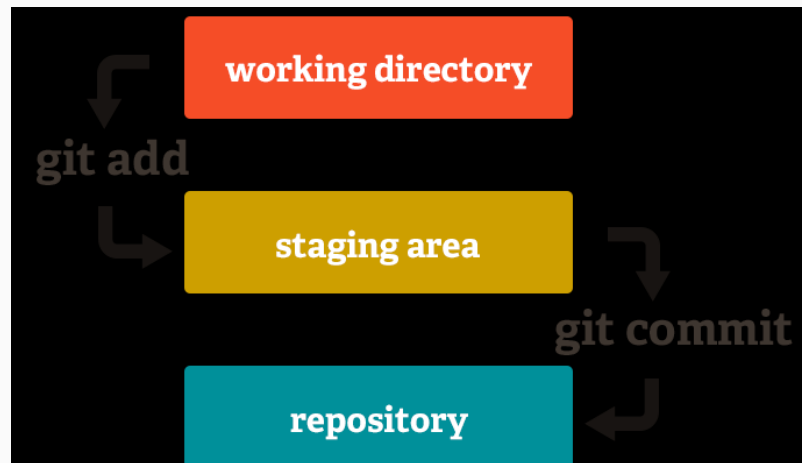
GitHub Workflow(Setup the account)

- Create github account
- Create new repository
- Use git clone your_repo.git
- Create a new folder Demo and inside a new file first_commit.txt
- Commit and push 😊



First Git commit

Git task	Notes	Git commands
Status	List the files you've changed and those you still need to add or commit:	<code>git status</code>
Add files	Add one or more files to staging (index):	<code>git add <filename></code> <code>git add .</code>
Commit	Commit changes to head (but not yet to the remote repository):	<code>git commit -m</code> <code>"Commit message"</code>
	Commit any files you've added with <code>git add</code> , and also commit any files you've changed since then:	<code>git commit -a</code>
Push	Send changes to the master branch of your remote repository:	<code>git push origin</code> <code>master</code>
Update from the remote repository	Fetch and merge changes on the remote server to your working directory:	<code>git pull</code>
Branches	Create a new branch and switch to it:	<code>git checkout -b</code> <code><branchname></code>



Visual Studio Code



Visual Studio Code Instalation

- [Code.visualstudio.com](https://code.visualstudio.com)
- Open your Git project folder(check for .git folder)
- **Ctrl + ,** - settings → features → terminal → edit in settings.json
- Add the following line:
- `"terminal.integrated.shell.windows": "yourPah\\Git\\bin\\bash.exe",`
- Use **Ctrl + `** to open/close terminal in VS Code

Resources

- <https://developers.google.com/web/tools/chrome-devtools>
- <https://guides.github.com/introduction/git-handbook/>
- <https://gitimmersion.com/>
- <https://code.visualstudio.com/shortcuts/keyboard-shortcuts-windows.pdf>
- <https://support.microsoft.com/en-us/help/12445/windows-keyboard-shortcuts>

