Git and Github quick guide training

Module two

Hosting your project on Github (Let´s start over)

- *The phonetic website project*

- *Hosting your project*

- *Clonning the repository*

- *Adding files to the project*

- *Adding files to the index(staging area)*

- *Commiting changes to the repository*

- *Pushing a new version to Github*

Create a repository on GitHub

Repository created on GitHub

Clonning the repository to local computer

```
→ # Cloning the repository
⊞ 13:34:56  ■ learn_git        ♡
→ git clone git@github.com:linduarte/simple_website.git
Cloning into 'simple_website'...
Enter passphrase for key 'C:/users/clldu/onedrive/documentos/ssh_keys/.ssh/id_ed25519':
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
⊞ 13:36:11  ■ learn_git     📇 13.61s
→ ls -l
total 8
drwxr-xr-x 1 clldu 197121 0 Aug 17 16:55 pilots_alphabet
drwxr-xr-x 1 clldu 197121 0 Aug 21 13:36 simple_website
drwxr-xr-x 1 clldu 197121 0 Aug 11 13:45 trainning
⊞ 13:36:45  ■ learn_git     📇 161ms
→ ls -a
.  ..  pilots_alphabet  simple_website  trainning
⊞ 13:36:59  ■ learn_git     📇 128ms
→ cd \simple_website
⊞ 13:37:13  ■ simple_website  ⓞ main   📇 75ms
→ ls -a
.  ..  .git  README.md
⊞ 13:37:30  ■ simple_website  ⓞ main   📇 111ms
→ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Adding files to the project

The working directory

```
13:39:02  simple_website  main  181ms
# Adding files to the project
13:46:18  simple_website  main
ls -a
..   .git   README.md  cities.html  names.html  pilots.html  style
13:48:53  simple_website  main  ?4  138ms
ls -a style
..   cities.css   names.css   pilot.css   site.css
13:49:17  simple_website  main  ?4  141ms
git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        cities.html
        names.html
        pilots.html
        style/

nothing added to commit but untracked files present (use "git add" to track)
13:49:36  simple_website  main  ?4  157ms
Ad
13:50:58  simple_website  main  ?4
# Adding files to the index (staging area)
13:51:27  simple_website  main  ?4
git add style
13:51:38  simple_website  main  +4 |  ?3  198ms
git add *.html
```

Prepare to commit

Pushing a new version to GitHub

```
🏁 13:56:06  📁 simple_website  ⬡ ᛘmain  🖳 152ms
→ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
🏁 13:56:16  📁 simple_website  ⬡ ᛘmain  🖳 187ms
→ # Pushing a new version to GitHub
🏁 13:57:22  📁 simple_website  ⬡ ᛘmain
→ # How Git identifies the remote repository
🏁 13:58:33  📁 simple_website  ⬡ ᛘmain
→ git remote
origin
🏁 13:58:44  📁 simple_website  ⬡ ᛘmain  🖳 153ms
→ # That is the name Git is using to identify your remote repository on GitHub
🏁 14:04:17  📁 simple_website  ⬡ ᛘmain
→ git remote show origin
Enter passphrase for key 'C:/users/clldu/onedrive/documentos/ssh_keys/.ssh/id_ed25519':
* remote origin
  Fetch URL: git@github.com:linduarte/simple_website.git
  Push  URL: git@github.com:linduarte/simple_website.git
  HEAD branch: main
  Remote branch:
    main tracked
  Local branch configured for 'git pull':
    main merges with remote main
  Local ref configured for 'git push':
    main pushes to main (fast-forwardable)
```

Push is done


```
14:07:01  ■ simple_website  main  148ms
 # To update the GitHub repository with the new version - run "git push"
14:08:22  ■ simple_website  main
 git push origin main
Enter passphrase for key 'C:/users/clldu/onedrive/documentos/ssh_keys/.ssh/id_ed25519':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 16 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 1.53 KiB | 1.53 MiB/s, done.
Total 10 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To github.com:linduarte/simple_website.git
   0af44e4..7cdb449  main -> main
14:09:11  ■ simple_website  main  21.559s
 # Observe 'main' on local repository and 'main' in remote repository
```

Remote 'repo' on GitHub