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
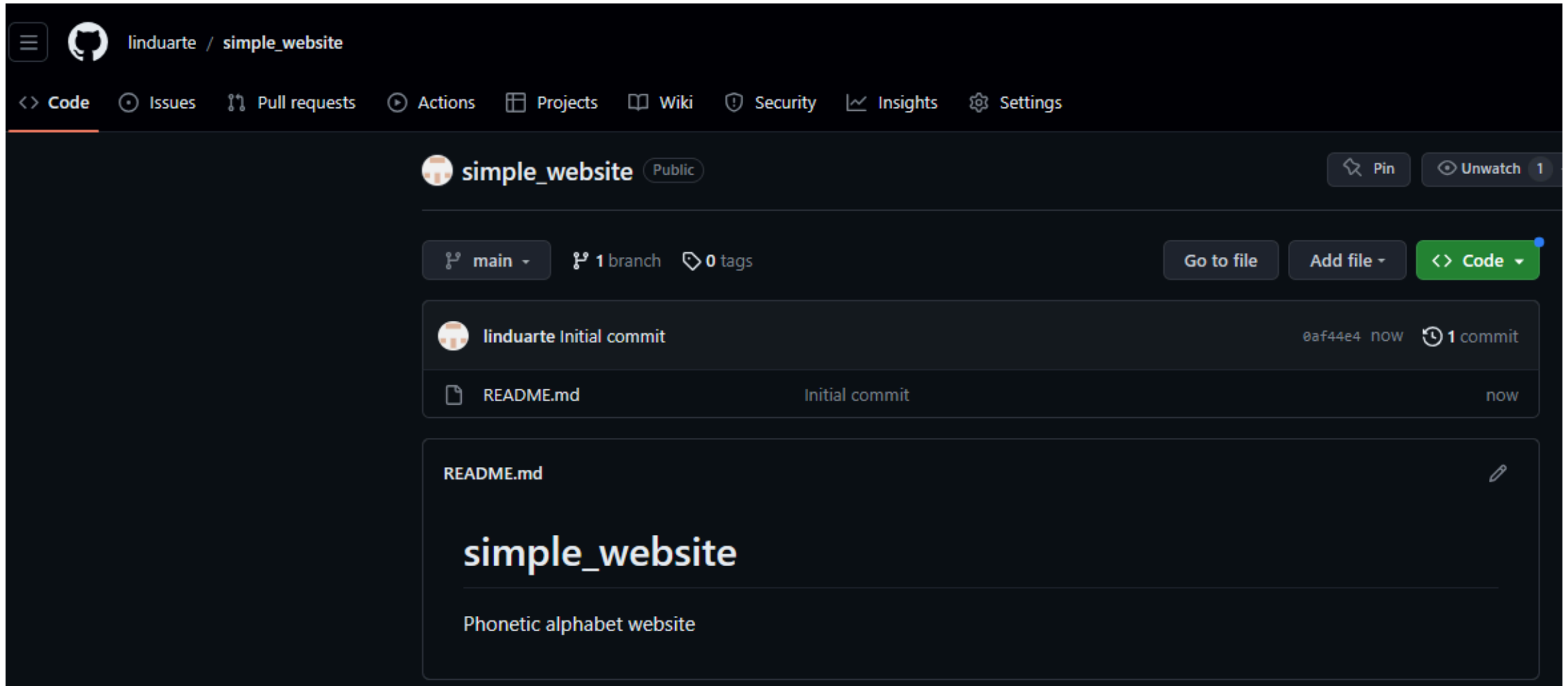
Clonning the repository to local computer

```
→ # 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

Prepare to commit

```
13:53:11   simple_website  O main +7      160ms
→ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:    cities.html
        new file:    names.html
        new file:    pilots.html
        new file:    style/cities.css
        new file:    style/names.css
        new file:    style/pilot.css
        new file:    style/site.css

   13:53:16   simple_website  O main +7      189ms
→ # Commiting changes to the repository
   13:54:06   simple_website  O main +7
→ git commit -m "Source code added"
[main 7cdb449] Source code added
 7 files changed, 159 insertions(+)
 create mode 100644 cities.html
 create mode 100644 names.html
 create mode 100644 pilots.html
 create mode 100644 style/cities.css
 create mode 100644 style/names.css
```

Pushing a new version to GitHub

```
13:56:06  simple_website  main  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  main  187ms
→ # Pushing a new version to GitHub
13:57:22  simple_website  main
→ # How Git identifies the remote repository
13:58:33  simple_website  main
→ git remote
origin
13:58:44  simple_website  main  153ms
→ # That is the name Git is using to identify your remote repository on GitHub
14:04:17  simple_website  main
→ 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':
```

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