

# *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


## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

*Required fields are marked with an asterisk (\*).*


Owner \*

Repository name \*

 linduarte

/

simple\_website

 simple\_website is available.

Great repository names are short and memorable. Need inspiration? How about [musical-winner](#) ?

Description (optional)

Phonetic alphabet website

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

☒ Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None


Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

This will set `main` as the default branch. Change the default name in your [settings](#).

 You are creating a public repository in your personal account.

Create repository

## Repository created on GitHub

The screenshot shows the GitHub interface for a repository named 'simple\_website' owned by 'linduarte'. The repository is public and has a 'main' branch with 1 branch and 0 tags. The commit history shows an 'Initial commit' by 'linduarte' with the hash '0af44e4' and the message 'Initial commit'. The file 'README.md' is listed as part of this commit. The README content displays 'simple\_website' in a large font, followed by 'Phonetic alphabet website'.

linduarte / simple\_website

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

simple\_website Public

main 1 branch 0 tags

Go to file Add file <> Code

linduarte Initial commit 0af44e4 now 1 commit

README.md Initial commit now

README.md

# simple\_website







Phonetic alphabet website

## Cloning 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 training
13:36:45 learn_git 161ms
→ ls -a
. .. pilots_alphabet simple_website training
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

Nome	Data de modificação	Tipo	Tamanho
 .git	21/08/2023 13:37	Pasta de arquivos	
 style	21/08/2023 13:46	Pasta de arquivos	
 cities.html	25/07/2023 16:27	Microsoft Edge HT...	1 KB
 names.html	25/07/2023 16:27	Microsoft Edge HT...	1 KB
 pilots.html	25/07/2023 16:27	Microsoft Edge HT...	1 KB
 README.md	21/08/2023 13:36	Arquivo Fonte Mar...	1 KB

## 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

```
13:53:11 simple_website 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 main +7 189ms
→ # Committing changes to the repository
13:54:06 simple_website 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
create mode 100644 style/pilot.css
create mode 100644 style/site.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':
    main merges with remote main
  Local ref configured for 'git push':
    main pushes to main (fast-forwardable)
```



## Push is done

```
Windows 14:07:01 simple_website main 148ms
• # To update the GitHub repository with the new version - run "git push"
Windows 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
Windows 14:09:11 simple_website main 21.559s
• # Observe 'main' on local repository and 'main' in remote repository
```

# Remote 'repo' on GitHub

The screenshot shows the GitHub interface for a repository named 'simple\_website' owned by 'linduarte'. The repository is public. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the repository name, there are buttons for 'main' branch, '1 branch', and '0 tags'. To the right are buttons for 'Go to file', 'Add file', and 'Code'. The commit history shows a recent commit by 'linduarte' with the message 'Source code added' at 7cdb449, 17 minutes ago, with 2 commits. Below this, a list of files is shown: 'style' (Source code added, 17 minutes ago), 'README.md' (Initial commit, 40 minutes ago), 'cities.html' (Source code added, 17 minutes ago), 'names.html' (Source code added, 17 minutes ago), and 'pilots.html' (Source code added, 17 minutes ago). At the bottom, the 'README.md' content is displayed, showing the repository name 'simple\_website' and the description 'Phonetic alphabet website'.

linduarte / simple\_website

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

simple\_website Public

main 1 branch 0 tags Go to file Add file <> Code

linduarte Source code added 7cdb449 17 minutes ago 2 commits

style	Source code added	17 minutes ago
README.md	Initial commit	40 minutes ago
cities.html	Source code added	17 minutes ago
names.html	Source code added	17 minutes ago
pilots.html	Source code added	17 minutes ago

README.md

## simple\_website

Phonetic alphabet website