

Git instructions SETUP

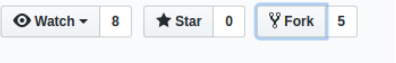
1. Fork

First navigate to the respective repository:

Frontend: <https://github.com/zero-to-mastery/mappypals>

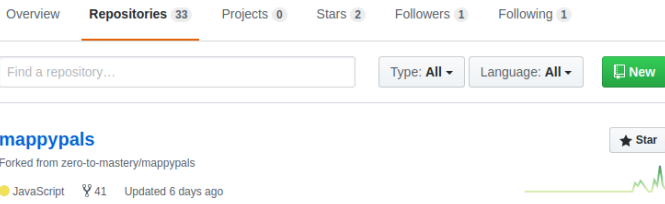
Backend: https://github.com/zero-to-mastery/mappypals_backend

Click the Fork button :

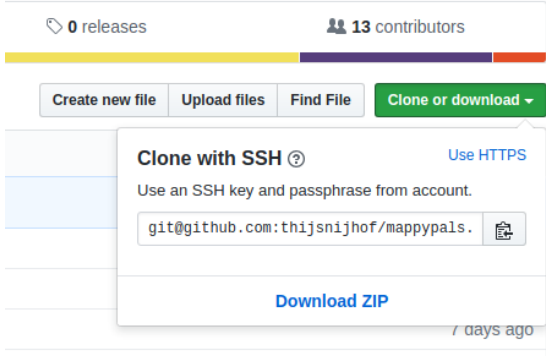


2. Clone

Navigate to your forked repository. If you followed #1 you will find this in your personal github’s repositories page.



Click the link and you will navigate to the repositories’ page. On this page you can find the clone button. Click on it and copy the link.



Now open a terminal and navigate to a directory in which you want to download the project. Type `git clone [COPIED_LINK]` and hit enter.

```
thijs@TN:~$ cd VScodeProjects/
thijs@TN:~/VScodeProjects$ git clone git@github.com:thijsnijhof/mappypals.git
Cloning into 'mappypals'...
remote: Enumerating objects: 2211, done.
remote: Total 2211 (delta 0), reused 0 (delta 0), pack-reused 2211
Receiving objects: 100% (2211/2211), 3.45 MiB | 2.81 MiB/s, done.
Resolving deltas: 100% (655/655), done.
Checking connectivity... done.
thijs@TN:~/VScodeProjects$
```

3. Set the upstream

After cloning your forked repository, you want to set an upstream remote from which you can fetch updated versions of the application. First copy the original repository link. Navigate to the original repository link from #1. Click clone and copy the link.

Now navigate to your mappypals folder in your terminal. And type the following command:

```
git remote add upstream
https://github.com/zero-to-mastery/mappypals.git
```

```
thijs@TN:~/VScodeProjects$ cd mappypals/
thijs@TN:~/VScodeProjects/mappypals$ git remote add upstream https://github.com/zero-to-mastery/mappypals.git
```

You can check if this worked by showing a list of remotes:

```
git remote -v
thijs@TN:~/VScodeProjects/mappypals$ git remote -v
origin git@github.com:thijsnijhof/mappypals.git (fetch)
origin git@github.com:thijsnijhof/mappypals.git (push)
upstream https://github.com/zero-to-mastery/mappypals.git (fetch)
upstream https://github.com/zero-to-mastery/mappypals.git (push)
thijs@TN:~/VScodeProjects/mappypals$
```

Creating a Pull Request

After completing the setup you can switch to different branches to work on.

Create a new branch by doing the following command `git checkout -b [BRANCH_NAME]`

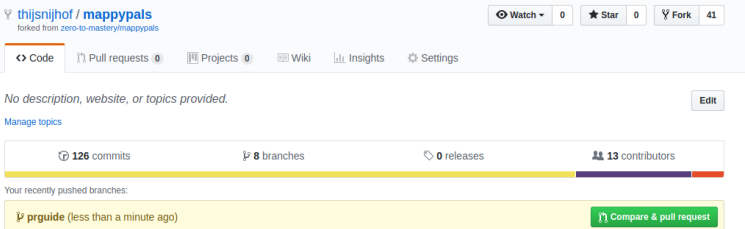
```
thijs@TN:~/VScodeProjects/mappypals$ git checkout -b prguide
Switched to a new branch 'prguide'
thijs@TN:~/VScodeProjects/mappypals$
```

After making some changes push all your changes to your origin

```
git push origin [BRANCH_NAME]
```

```
thijs@TN:~/VScodeProjects/mappypals$ git push origin prguide
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 276 bytes | 0 bytes/s, done.
Total 3 (delta 1), reused 1 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'prguide' on GitHub by visiting
remote:   https://github.com/thijsnijhof/mappypals/pull/new/prguide
remote:
remote:
To git@github.com:thijsnijhof/mappypals.git
 * [new branch] prguide -> prguide
thijs@TN:~/VScodeProjects/mappypals$
```

Now navigate to your online **forked** repository and click the Compare and Pull Request button



Keeping your fork up to date

If you have followed the setup instructions, the upstream is setup. To get updates from the upstream. Navigate to your project folder and run the command

```
git fetch upstream
```

```
thijs@TN:~/VScodeProjects/mappypals$ git fetch upstream
remote: Enumerating objects: 20, done.
remote: Counting objects: 100% (20/20), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 35 (delta 16), reused 19 (delta 16), pack-reused 15
Unpacking objects: 100% (35/35), done.
From https://github.com/zero-to-mastery/mappypals
 * [new branch] dashboard-invite -> upstream/dashboard-invite
 * [new branch] dev -> upstream/dev
 * [new branch] drag-map-icon -> upstream/drag-map-icon
 * [new branch] fix-register-login -> upstream/fix-register-login
 * [new branch] gh-pages -> upstream/gh-pages
 * [new branch] master -> upstream/master
 * [new branch] navbar -> upstream/navbar
 * [new branch] search-mockup -> upstream/search-mockup
```

Checkout to a local branch that you want to be updated. For example the dev branch

```
git checkout dev
```

or if you do not have this branch yet. `git checkout -b dev`

For a list of all the branches you can do : `git branch -r`

Now merge with the branch you want to be updated from.

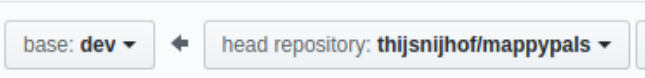
```
git merge upstream/dev
```

```
thijs@TN:~/VScodeProjects/mappypals$ git merge upstream/dev
Updating e5023a3..86a943c
Fast-forward
 package.json          | 7 +---
 src/pages/Login/Form.js | 6 +++
 src/pages/Login/Login.css | 16 ++++++++
 src/pages/Login/ResetPassword.css | 31 +-----
 src/pages/Login/ResetPassword.js | 76 ++++++++
 5 files changed, 75 insertions(+), 61 deletions(-)
delete mode 100644 src/pages/Login/ResetPassword.css
thijs@TN:~/VScodeProjects/mappypals$
```

Now your local repository is updated. This does not update your forked github repo. To update this, you have to push your changes.

```
thijs@TN:~/VScodeProjects/mappypals$ git push origin dev
Counting objects: 20, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (20/20), done.
Writing objects: 100% (20/20), 3.37 KiB | 0 bytes/s, done.
Total 20 (delta 13), reused 0 (delta 0)
remote: Resolving deltas: 100% (13/13), completed with 7 local objects.
To git@github.com:thijsnijhof/mappypals.git
 e5023a3..86a943c dev -> dev
```

Change the branch you want to send a pull request to. Please select the **dev** branch here. Admins are in charge of the pull requests from dev to master.



After selecting this. Put in your message, please make it something useful and if there are any issues you need help with.

Useless message example: pull request prguide

Useful message example: Created a pr guide for everybody to collaborate.

- Updated to include explanation of forking and cloning.
- Changed the flow chart to reflect the new branches

- * Link tags are not yet going to the correct page.
- * Images are not responsive