Our Git workflow

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Online (remote) and local repositories

GitHub

Local: Emma

pull request

push

pull

another_feature

the_feature

main
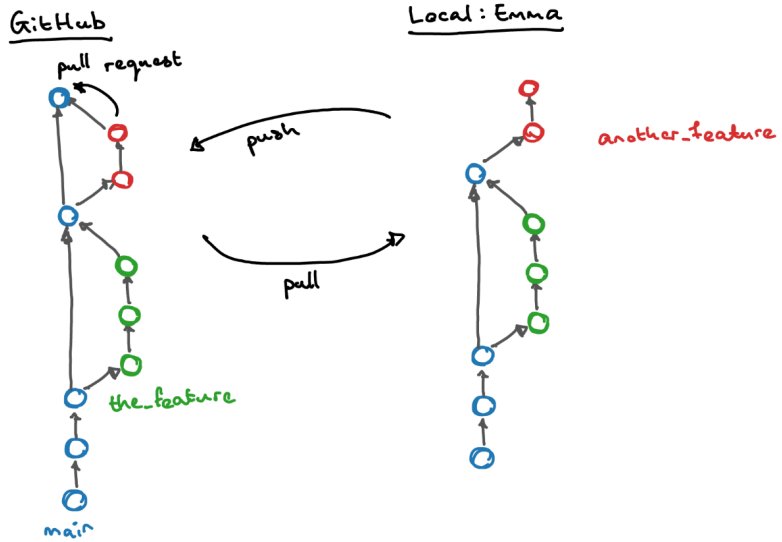
Git workflow

Create the repository

Do this directly on GitHub.

Clone the repository

```
git clone https://github.com/kamperh/newproject
```

Create a branch

```
git checkout -b newfeature
```

Make changes and push

```
subl newscript.py
git add newscript.py
git commit -a -m "Added my new script"
git push --set-upstream origin newfeature
```

Create a pull request

Do this directly on GitHub.

After pull request accepted: Pull and delete your branch

```
git checkout main
git pull
git branch -d newfeature
```
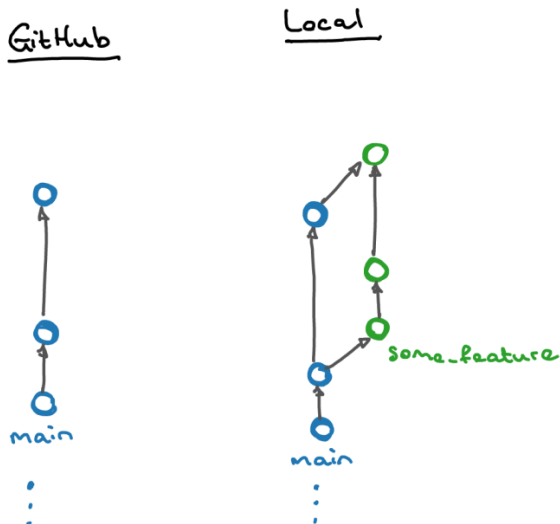
Finer-grained workflow

Create a branch online

You can also create a new branch directly on GitHub.

Then you need to pull that branch to your local repository:

```
git branch -r
git checkout another_feature
```

Merging in changes from main into your branch

```
git checkout main
git pull
git checkout newfeature
git merge main
```

Other Git things to know about

- Merge conflicts

- gitignore files

- Git credentials, i.e. saving your username and password:

```
git config --global credential.helper store
git pull
```

  To reset your credentials when they expired:

```
git config --global --unset credential.helper
```

- Graphical user interfaces for Git:

```
gitg
gitk
```

Further reading

A successful Git branching model

GitHub flow

How can I save username and password in Git?

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