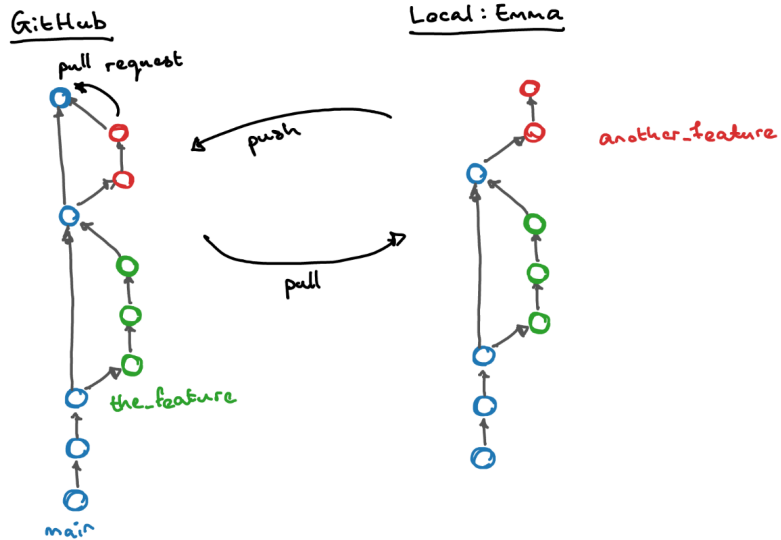


# Our Git workflow

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# Online (remote) and local repositories



# 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
```

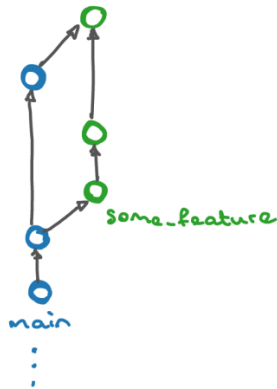
## Merging in changes from main into your branch

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

GitHub



Local



## 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
```

- 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?](#)

## **Acknowledgements**

[Matthew Baas](#)

Christiaan Jacobs