**Github repository**

**Setting a repository**

* Click the + sign on the upper right corner
* Choose “new Repository”
* Fill in name and description and click “create repository”

**Setting a GitHub desktop**

* Download the desktop application
* Create a username and select a local directory for the application. Default location: C:\Users\gorn\Documents\GitHub (link to Bibliotheken\Dokumente\Eigene Dokumente\GitHub)
* approve username via email
* copy files into the local directory of the GitHub desktop
* in GitHub Desktop application:
  + go to “changes” and choose a changed file to commit
  + add summary
  + click “commit to master”
  + synchronize / fetch origin

**Adding a collaborator to a repository**

* Navigate to the repository on Github you wish to share with your collaborator.
* Click on the "Settings" tab on the right side of the menu at the top of the screen.
* On the new page, click the "Collaborators" menu item on the left side of the page.
* Start typing the new collaborator's GitHub username into the text box.
* Select the GitHub user from the list that appears below the text box.
* Click the "Add" button.

**Getting History of updates**

* On the GitHub repository (on file level)1:
  + Click on selected file
  + on the upper right corner click the history button to see all versions of the file
* on the GitHub Desktop (project level)
  + click the history button on the top
  + choose a version on the time axis and view the changes

**Getting a specific old version of a file: checkout (attention – you get then back this time point in history for all files, not only one specific file)**

* this is not possible via github desktop but needs to be done in command line:
* open the cmd and type:
* cd C:\Users\sick\Documents\GitHub
* git clone <https://github.com/tensorchiefs/dl_utils>
* cd dl\_utils
* git checkout e031c3d