

# GS2D IT

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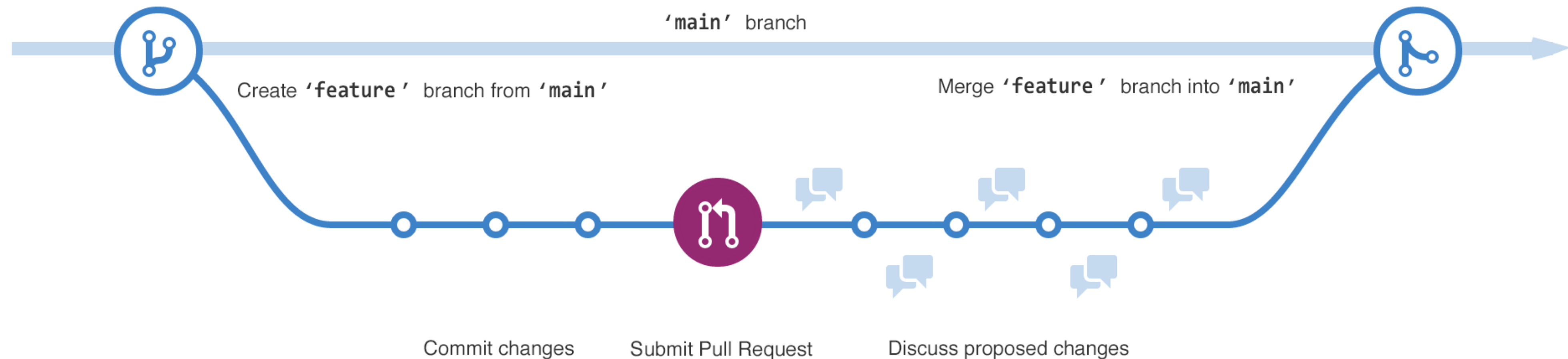
# GitHub

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

<https://github.com>

# GitHub

- Git is very popular version management system (in IT domain)
- Github is a platform, using Git, made for collaboration, version controlling and sharing code and documents.
- It has a well documented flow:



Source: <https://docs.github.com/en/get-started/quickstart/hello-world>

# GitHub

- Why programmers use Git?

- `story.txt`
- `story-edit.txt`
- `story-edit-reviewed.txt`

<https://docs.github.com/en/get-started/quickstart/hello-world>

# GitHub

- GitHub vocabulary:

**git:** an open source, distributed version-control system

**GitHub:** a platform for hosting and collaborating on Git repositories

**commit:** a Git object, a snapshot of your entire repository compressed into a SHA

**branch:** a lightweight movable pointer to a commit

**clone:** a local version of a repository, including all commits and branches

**remote:** a common repository on GitHub that all team member use to exchange their changes

**fork:** a copy of a repository on GitHub owned by a different user

**pull request:** a place to compare and discuss the differences introduced on a branch with reviews, comments, integrated tests, and more

<https://training.github.com/downloads/github-git-cheat-sheet.pdf>

# Github - task 1

- If you don't have one, create a Github account.
- Create a new repo called GS2DIT with a readme file, introduce yourself there.

**A little help:** <https://docs.github.com/en/get-started/quickstart/hello-world>



# Github - task 2

Edit your readme file, describe your diploma:

- create new branch called readme-edit,
- edit the file,
- commit,
- create a pull request,
- merge to the main file.

# GitHub Desktop

- GitHub Desktop is a desktop app helping to maintain and publish our on Github with user interface.



# GitHub - task 3

- Think and discuss with your colleagues how you can use GitHub in your diploma. Create new repo called Diploma (or whatever you want) and add your files to it.
- Install GitHub Desktop on your computer.
- Don't forget about GitHub, we will use it next week :)