

# Using `git` and **GitHub** in the INF-3200 Distributed Systems Fundamentals course

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# What is git?

Open-source distributed versioning control system  
invented by Linus Thorvalds in 2005

It is used to version the Linux kernel and is the most  
popular modern version control system

# GitHub

GitHub is the repository hosting, collaboration, deployment and distribution platform for both open source and private software projects

We will be using GitHub to distribute course material, and collaborating on mandatory assignments



# Getting Started with git and GitHub

Go to [github.com](https://github.com) and create an account, remember to register your [uit.no](https://uit.no) address so that you'll get some free private repositories!

Send your account name to [bjorn@cs.uit.no](mailto:bjorn@cs.uit.no)

Install git on your local machine

Optional: GitHub client for your operating system

# Demo

# Mandatory Assignments

You are going to be working in teams of two

The assignments will be posted on [github.com/uit-inf-3200](https://github.com/uit-inf-3200)

To start working on an assignment, you **fork** the repository and **clone** it down to your own computer. Only one team member has to fork the repo, but you must both clone it.

On your local machine you can solve the assignment, and when you're done you **submit a pull request** back to the original repository

# Helpful resources

Git Cheat Sheet: <https://training.github.com/kit/downloads/github-git-cheat-sheet.pdf>

GitHub Glossary: <https://help.github.com/articles/github-glossary#repository>

GitHub Guides: <https://guides.github.com/> and on YouTube: <https://www.youtube.com/user/GitHubGuides/videos>

# Thank you!

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