



# github

An introduction

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
Web Development 2

# What is github?



- github is a web based service that allows the hosting of remote git repositories
- It has become synonymous with collaboration on open source projects
- github has features that integrate your git repositories with your entire development and release lifecycle e.g. CI/CD pipelines, github actions
- github can also act as an identity provider
- It is accessible via <https://github.com/>

## Repositories



-  All
-  Public
-  Private
-  Sources
-  Forks
-  Archived
-  Mirrors
-  Templates

## All






Beta Give feedback


New repository

Q Search repositories






11 repositories ⇅ Last pushed  


web-development-2 Private

 HTML ·  0 ·  0 ·  0 ·  0 · Updated yesterday









programming Private

 Java ·  0 ·  0 ·  0 ·  0 · Updated 3 days ago








web-development-1 Private

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






sem-2-calendar Public

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





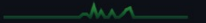
programme-home-page Private

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





workshop-1-3 Private

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






sem-1-calendar Private

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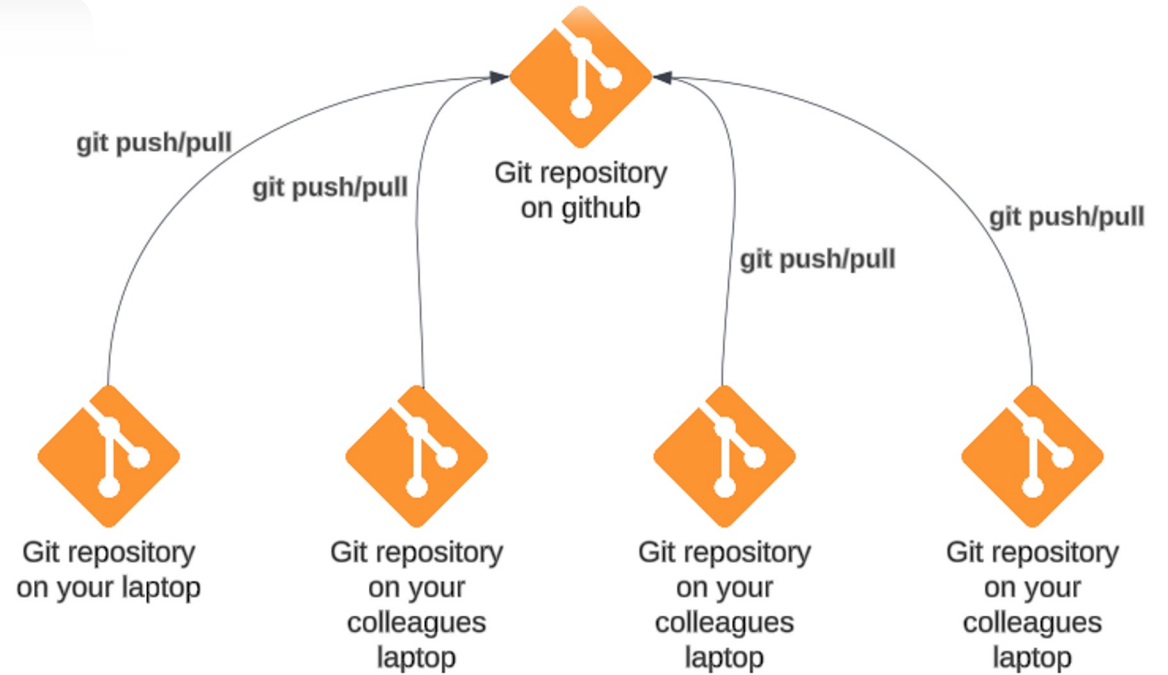
programme-faq Private

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# Remote.

- The key here is, github hosts REMOTE git repositories
- git allows multiple repositories to “connect” to a remote repository
- This allows you to use github as a backup and source of truth on personal projects
  - Work on the same project on your home and work laptop
- While also allowing for collaboration on group projects, such as in the workplace
  - Allows for conflicts



Are there other git  
hosting services?

 **Bitbucket**

 **SOURCEFORGE**

 **GitHub**

 **GitLab**

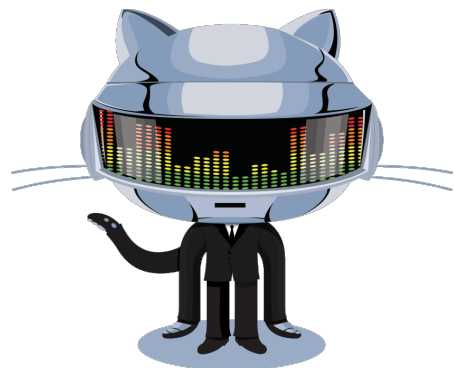
# Why have I heard so much about github?



- Early Adoption and Popularity
  - GitHub was one of the earliest platforms to offer Git repository hosting services. It gained popularity quickly due to its user-friendly interface, robust features, and strong community support.
- Feature-Rich Platform
  - GitHub provides a wide range of features beyond basic Git repository hosting, such as issue tracking, project management tools, code review capabilities, and wikis. These additional features have made GitHub a comprehensive platform for software development collaboration.
- Social Coding
  - Allows developers to easily share their code, contribute to open-source projects, and collaborate with others.
- Integration Ecosystem
  - Integrates seamlessly with a vast array of third-party tools and services, including continuous integration and deployment (CI/CD) pipelines, code analysis tools, project management platforms, and more. This integration capability has made GitHub **an integral part of many developers' workflows**.
- Opensource Culture
  - GitHub has played a significant role in fostering the growth of the open-source movement. Many major open-source projects host their repositories on GitHub, making it a central hub for accessing and contributing to open-source software.
- Acquisition by Microsoft:
  - GitHub's acquisition by Microsoft in 2018 further solidified its position as a dominant platform for software development. Microsoft's resources and support have allowed GitHub to continue growing and improving its services.



<https://github.com/features>



Also, octocats.....

<https://octodex.github.com/>

