

# Introduction to GitHub

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# What is GitHub?

GitHub is a web-based hosting service for software development projects that use the Git revision control system.


<http://en.wikipedia.org/wiki/GitHub>

# What is GitHub?

- ▶ Allows users to “push” and “pull” their local repositories to and from remote repositories on the web
- ▶ Provides users with a homepage that displays their public repositories
- ▶ Users’ repositories are backed up on the GitHub server in case something happens to the local copies
- ▶ Social aspect allows users to follow one another and share projects

# Set Up a GitHub Account

- ▶ Go to the GitHub homepage at <https://github.com/>
- ▶ Enter a username, email, and password and click “Sign up for GitHub”
- ▶ **IMPORTANT: Use the same email address that you used when setting up Git in the previous lecture!!!**



Explore Features Enterprise Blog

# Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? [Upgraded plans start at \\$7/mo.](#)

Use at least one lowercase letter, one numeral, and seven characters.


By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#).


# Set Up a GitHub Account


- ▶ On the next screen, select the free plan and click “Finish sign up”

## Welcome to GitHub

You've taken your first step into a larger world, @datadana123.

 **Completed**  
Set up a personal account

 **Step 2:**  
Choose your plan

 **Step 3:**  
Go to your dashboard

### Choose your personal plan

Plan	Cost	Private repos	
Large	\$50/month	50	<button>Choose</button>
Medium	\$22/month	20	<button>Choose</button>
Small	\$12/month	10	<button>Choose</button>
Micro	\$7/month	5	<button>Choose</button>
Free	\$0/month	0	<button>Choose</button>

### Each plan includes:

**Unlimited** collaborators  
**Unlimited** public repositories

- ✓ Free setup
- ✓ SSL Protection
- ✓ Email support
- ✓ Wikis, Issues, Pages, & more

Don't worry, you can cancel or upgrade at any time.

- ☐ **Help me set up an organization next**  
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.  
[Learn more about organizations.](#)

**Finish sign up**

# Navigating GitHub

- ▶ After signing up, you will find yourself on this page, which has several helpful resources for learning more about Git and GitHub
- ▶ Try clicking on your username in the upper righthand corner of the screen to view your GitHub profile

The screenshot shows the GitHub homepage for a user named **datadana123**. At the top, there is a navigation bar with the GitHub logo, a search bar, and links to Explore, Gist, Blog, and Help. Below this is a secondary bar with the user's name, a ProTip message, and a News Feed link. The main content area features a 'News Feed' tab and a 'GitHub Bootcamp' section with four numbered cards: 'Set up Git', 'Create repositories', 'Fork repositories', and 'Be social'. At the bottom, there is a 'Welcome to GitHub! What's next?' section with links to create a repository, tell about yourself, browse interesting repos, and follow @github on Twitter. On the right, there is a 'Your repositories (0)' section with a 'New repository' button and a message encouraging the user to create their first repository.

datadana123 Search or type a command Explore Gist Blog Help

datadana123 ProTip™ Need to share snippets of code with someone? Try Gist. News Feed

News Feed Pull Requests Issues Stars

**GitHub Bootcamp** If you are still new to things, we've provided a few walkthroughs to get you started.

- Set up Git**  
A quick guide to help you get started with Git.
- Create repositories**  
Repositories are where you'll work and collaborate on projects.
- Fork repositories**  
Forking creates a new, unique project from an existing one.
- Be social**  
Send pull requests, follow friends. Star and watch projects.

**Welcome to GitHub! What's next?** (12 minutes ago)






- Create a Repository
- Tell us about yourself
- Browse Interesting Repos
- Follow @github on Twitter


**Your repositories (0)** New repository

You don't have any repositories yet!  
Create your first repository or learn more about Git

# Your GitHub Profile


- ▶ Your profile is where all of your activity on GitHub is displayed
- ▶ Allows you to show other people who you are and what you are working on
- ▶ As you work on more and more projects, your profile becomes a portfolio of your work

  [Explore](#) [Gist](#) [Blog](#) [Help](#)  **datadana123**   



**datadana123**

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 Joined on Oct 28, 2013


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**0**  
followers


**0**  
starred

**0**  
following

 Contributions


 Repositories

 Public Activity

 Edit Your Profile

**Popular repositories**

datadana123 doesn't have any repositories you can view.

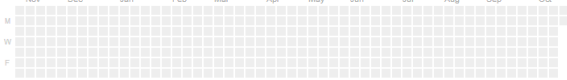
**Your Contributions** 


NovDecJanFebMarAprMayJunJulAugSepOct


M

W

F




 Summary of Pull Requests, issues opened and commits. [Learn more.](#)

Less  More

<b>0 Total</b> Oct 28 2012 - Oct 28 2013	<b>0 days</b> Rock - Hard Place	<b>0 days</b> Rock - Hard Place
Year of Contributions	Longest Streak	Current Streak

**Contribution Activity**

Period: **1 Week**



# Your GitHub Profile

- ▶ Finally, if you click on “Edit Your Profile” in the top righthand portion of the screen you can add some basic information about yourself to your profile
- ▶ This is totally optional, but if you do good work, you ought to take some credit for it!
- ▶ In the next lecture, we'll get you started by walking you through two ways of creating a repository
- ▶ In the meantime, feel free to explore the GitHub site for interesting projects that others are working on