

GITHUB GUIDE

This guide is a work-in-progress, and may change in the future – medatech@medasf.org

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WHAT IS GITHUB?

GitHub is a social network for developers where a developer can upload their code snippets or code projects to be shared. GitHub is quickly becoming the preferred way of sharing code with employers to show what you are capable of. It is recommended that you treat your GitHub account as you would with your LinkedIn account for your coding career.

HOW DOES GITHUB WORK?

GitHub works simply by creating “pages” for your repositories, each page is dedicated to a specific repository. While GitHub uses the term *repositories* for these pages, they are slightly different than Git’s repositories. GitHub repositories can only be used to display, download, clone, push, and merge files.

CLONING AN EXISTING REPOSITORY

- (1) Go to the web page for the GitHub repository you would like to clone.
- (2) Click on the green button and copy the URL in the pop up box.

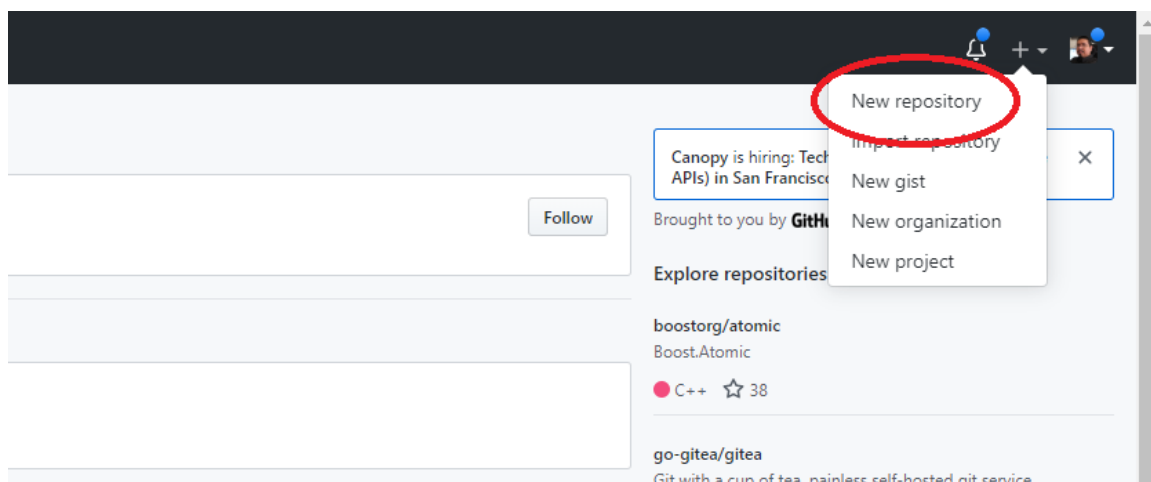
The screenshot shows a GitHub repository page for 'eagarcia8 / meda-spring2020-eduardo'. The repository has 82 commits, 1 branch, 0 packages, 0 releases, and 1 contributor. The 'Clone or download' button is highlighted with a red circle. A dropdown menu is open, showing options to 'Clone with HTTPS' (using the URL https://github.com/eagarcia8/meda-spr), 'Use SSH', and 'Download ZIP'. The repository content includes a file tree with folders like 'assignments/flexbox-gallery', 'handouts', and 'practice', and files like 'README.md', 'squareexample.jpg', and 'template.html'.

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- (3) Go to your Terminal application and move to the preferred directory to copy the repository to. Type in **git clone URL** where “URL” is the actual URL you copied from the GitHub webpage. Press enter and Git will start to build a complete copy (including history) of the Git repository.
- i. *Note:* You do not need to create a folder for this repository as the clone tool will create a folder for you.

CREATING A REPOSITORY PAGE

- (1) Press on the + icon at the top right corner of website and click on *New repository*. Name your repository, **please do not start with a number or capital letter**. Spaces are automatically converted to underscores.




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- (2) Fill in the description, this is the text that describes the whole repository.
- (3) Set to public (set by default). Private repositories cannot be seen by anyone but yourself and you are only limited to one private repository per GitHub account.
- (4) Please make sure to **uncheck** “Initialize this repository with a README”.

Create a new repository


A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)


Owner Repository name *

 eagarcia8 /

Great repository names are short and memorable. Need inspiration? How about [verbose-potato?](#)


Description (optional)

☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☐ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer.

Add .gitignore: **None** | Add a license: **None** 

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- (5) To connect your git repository to your newly created GitHub repository, follow the instructions in the “...or push an existing repository from the command line” section.

DELETING A REPOSITORY PAGE

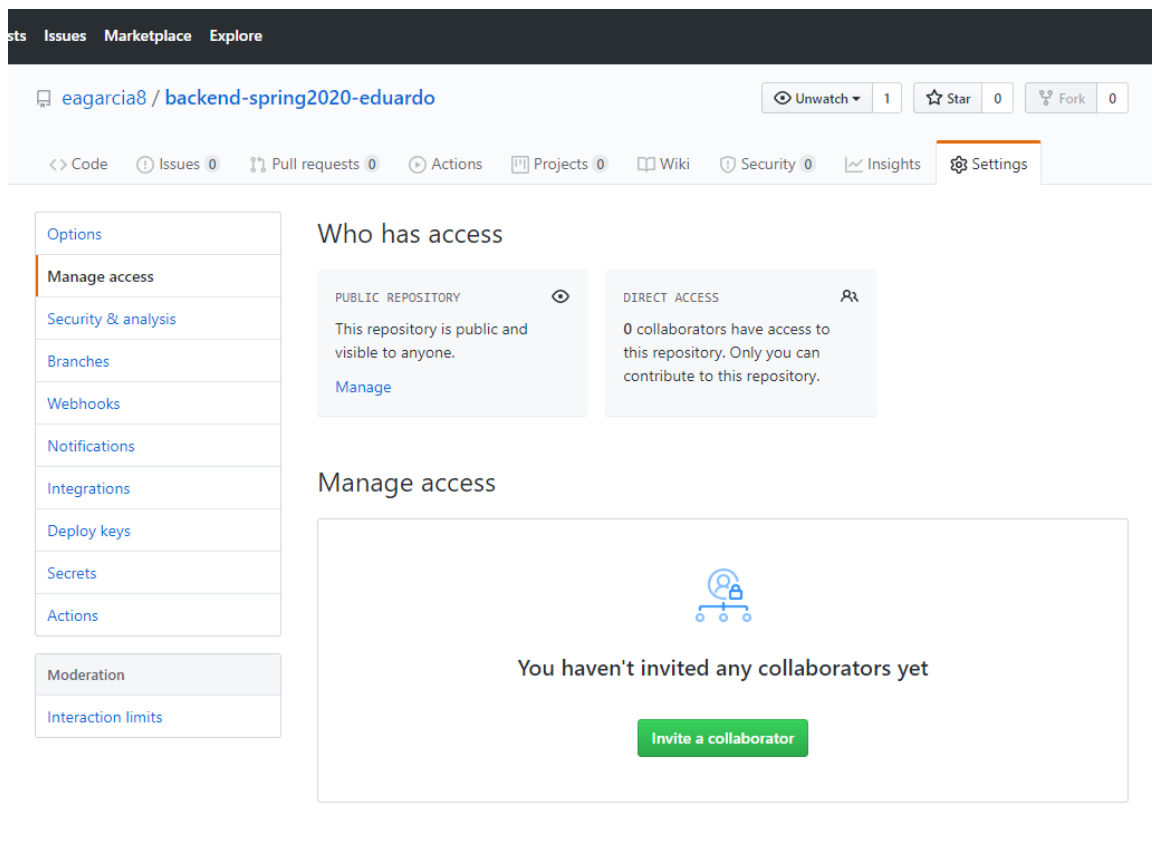
- (1) Click on your profile icon in the top right corner, and select *Your repositories*.
- (2) Click on the repository you want to delete.
- (3) Click on the tab called *Settings*.
- (4) Scroll to the bottom until you reach the *Danger Zone*, press on *Delete this repository*. Make sure to read the warning.

GIVING YOUR FRIENDS PUSH ACCESS TO YOUR REPOSITORY

- (1) Click on your profile icon in the top right corner, and select *Your repositories*.
- (2) Click on the repository you want to collaborate with your friends.

(3) Click on the tab called *Settings*.

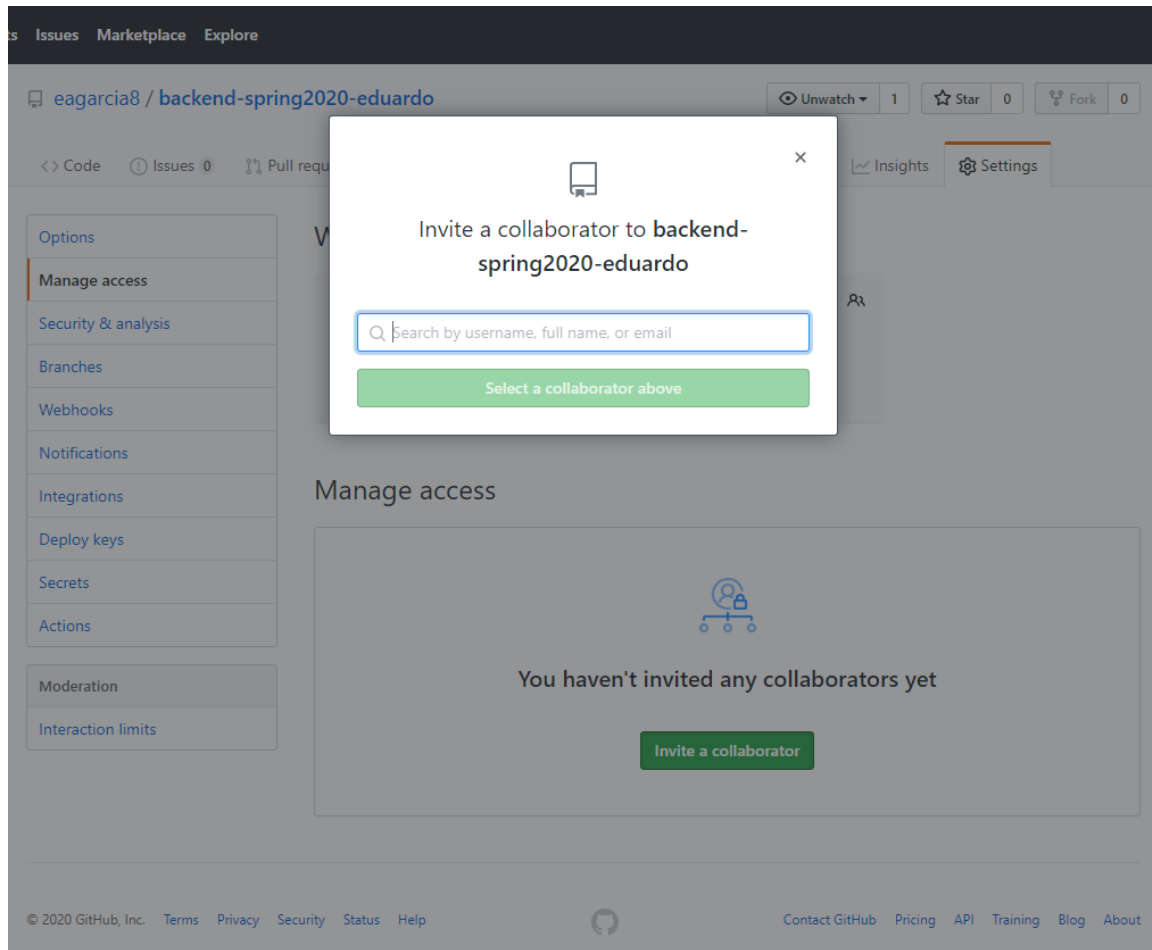
(4) On the left side menu, press on *Manage access*.



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(5) Click on the green button *“Invite a collaborator”*.

(6) Type in your friend’s GitHub username in the text box to search, click on your friend’s icon and then the button *“Add collaborator”*.



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(7) Wait for your friend to accept your invitation to your repository (they should have received an email). Once they accept, they will be able to create, delete, and update files in your repository.

NOTES