

GITHUB ADVENTURE: CREATING YOUR OWN REPOSITORY!

Using a Template Repository to Kickstart Your Project

GitHub

STEP 1: SIGN IN TO GITHUB

Go to [GitHub](#) and sign in.

If you don't have an account, create one. Remember to keep your username professional!

STEP 2: FIND THE TEMPLATE REPOSITORY

Navigate to the URL: <https://github.com/gberl001/SP26-ENR261-180.git>

STEP 3: CREATE YOUR OWN REPOSITORY

Click the [Use this template](#) button to create your own repository from the template.

The screenshot shows a GitHub repository page for a public template named "FA24-ENR261-182". The page includes a header with repository statistics (1 watch, 0 forks, 0 stars), a search bar, and a "Code" dropdown. Below the header is a navigation bar with "main", "1 Branch", "0 Tags", "Go to file", and another "Code" dropdown. The main content area displays a commit history with three entries: "Initial commit" by user "gberl001" (15 hours ago), a commit to "Week1" (15 hours ago), and a commit to "grades.xlsx" (15 hours ago). To the right of the repository details is a sidebar with sections for "About" (no description, website, or topics provided), "Activity" (0 stars, 1 watching, 0 forks), "Report repository", "Releases" (no releases published), and "Packages" (no packages published). A large orange arrow points from the text "Follow The Arrow!" at the bottom left towards the "Use this template" button at the top right.

Hey You!
Follow The Arrow!

FA24-ENR261-182 Public template

Watch 1 Fork 0 Star 0 Use this template

main 1 Branch 0 Tags Go to file Code

gberl001 Initial commit c3e125e · 15 hours ago 1 Commit

Week1 Initial commit 15 hours ago

grades.xlsx Initial commit 15 hours ago

About

No description, website, or topics provided.

Activity

0 stars 1 watching 0 forks

Report repository

Releases

No releases published

Packages

No packages published

STEP 4: SET UP YOUR REPOSITORY

Choose a meaningful repository name. Example: "SP26-ENR261-**YourLastName**"

Please include your last name

Create a new repository

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

Required fields are marked with an asterisk ().*

Repository template

 gberl001/FA24-ENR261-182 ▾

Start your repository with a template repository's contents.

Include all branches
Copy all branches from gberl001/FA24-ENR261-182 and not just the default branch.

Owner *  gberl002

Repository name * FA24-ENR261-182-BERI

 FA24-ENR261-182-BERI is available.

Step 1

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

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.

Step 2

 You are creating a private repository in your personal account.

Step 3

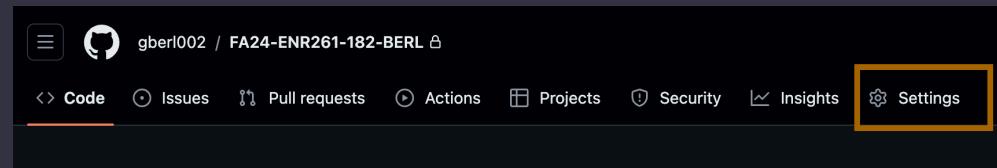
Create repository

CONGRATS! YOU'VE CREATED YOUR REPOSITORY!

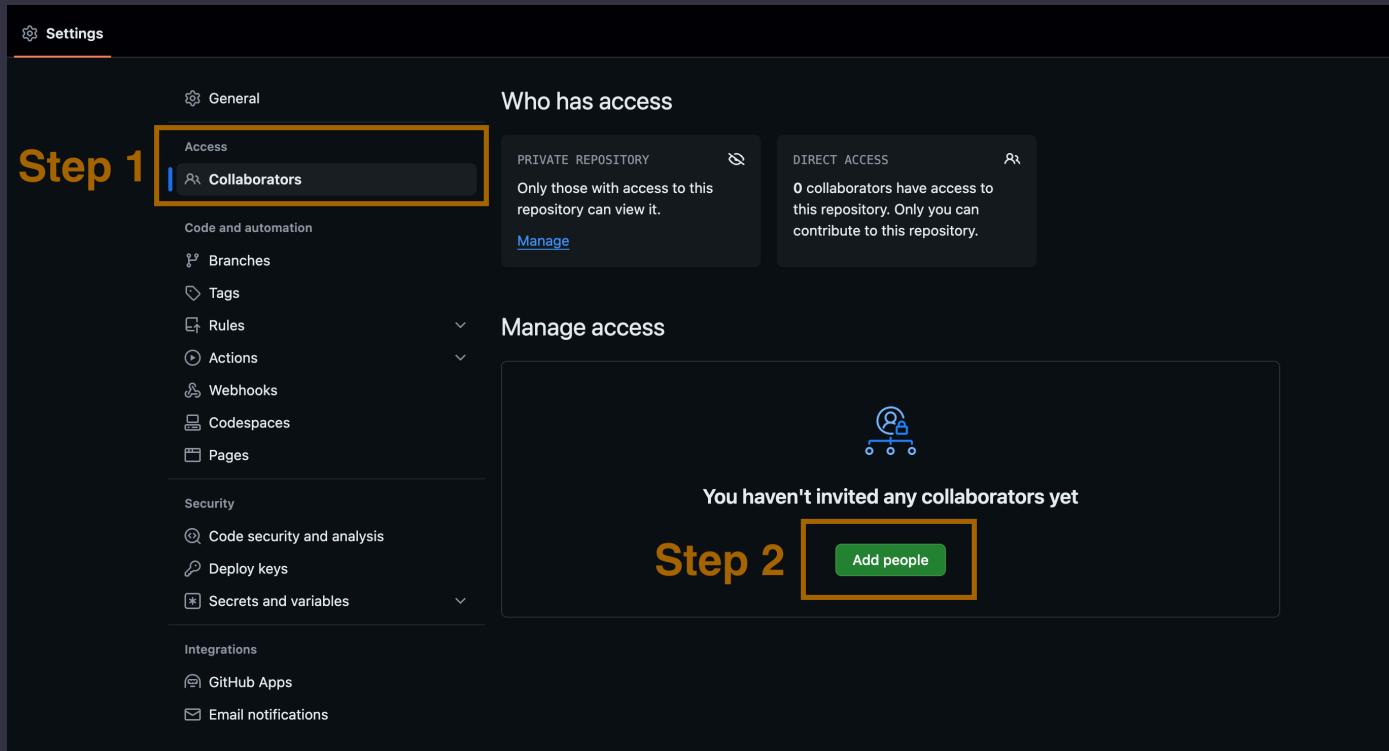
But wait, there's more!

SHARE YOUR REPO WITH YOUR INSTRUCTOR

In the upper left, select " Settings"



SET UP COLLABORATORS



Step 1 Collaborators

Who has access

PRIVATE REPOSITORY	DIRECT ACCESS
Only those with access to this repository can view it.	0 collaborators have access to this repository. Only you can contribute to this repository.

Manage access

You haven't invited any collaborators yet

Step 2 Add people

The screenshot shows the GitHub repository settings page for a private repository. The 'General' tab is selected. The 'Collaborators' section is highlighted with a yellow box and labeled 'Step 1'. The 'Manage access' section is also highlighted with a yellow box and labeled 'Step 2'. The 'Add people' button is also highlighted with a yellow box.

SEARCH FOR YOUR INSTRUCTOR

find gberl001

X

Add a collaborator to FA24-ENR261-182-BERL

Search by username, full name, or email

Geoff Berl
gberl001 • Invite collaborator

Select a collaborator above

CONFIRM THE INVITE

Make sure you see the following...

Manage access

Select all Type ▾

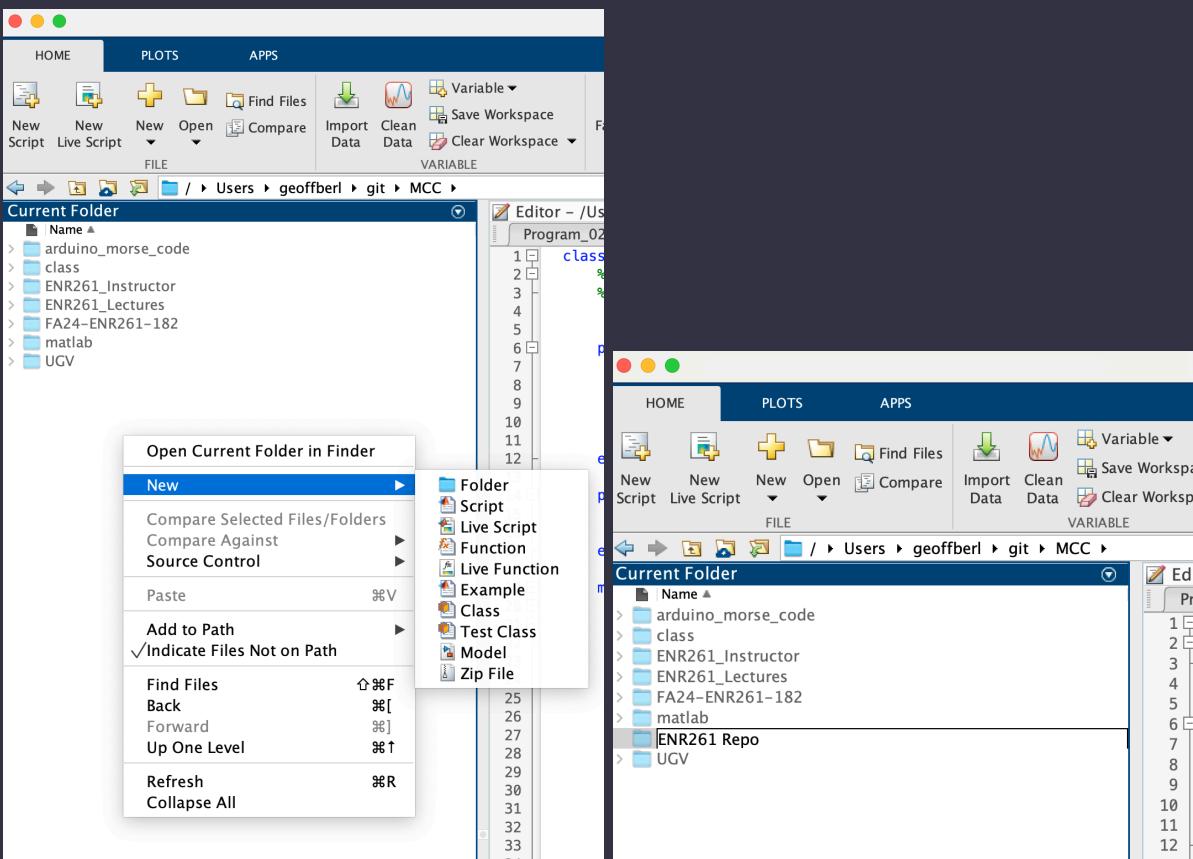
Find a collaborator...

<input type="checkbox"/>	 Geoff Berl Awaiting gberl001's response	Pending Invite <input type="button"/>	<input type="button" value="Delete"/>
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That's it for Github, let's hop over to MATLAB

CREATE A NEW FOLDER

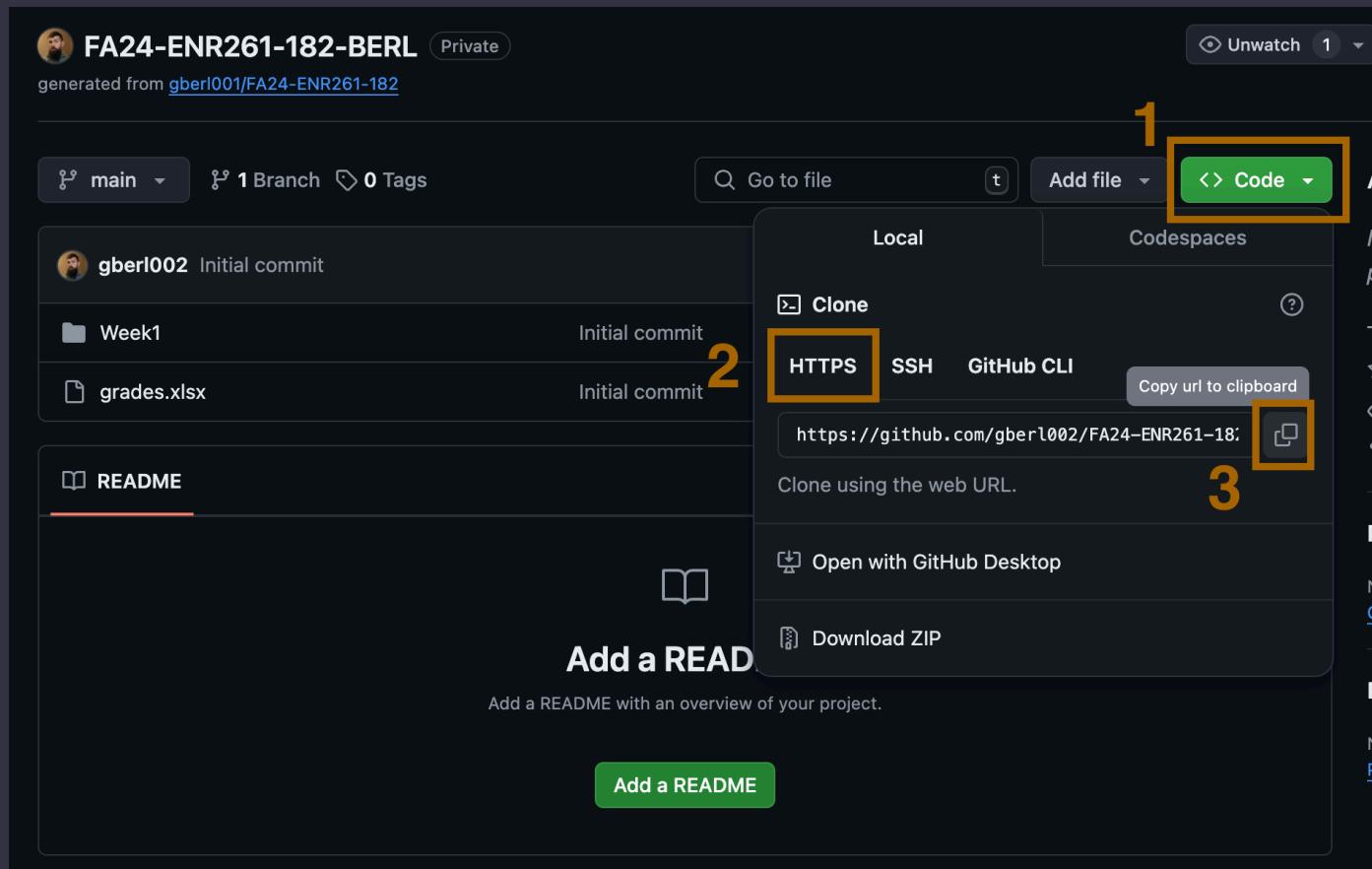
1. Navigate to the directory where you would like to place your local files
2. Right click on any whitespace in the Directory window
3. Select the option to create a new folder and give it a name



I LIED...

You'll need your Repo URL for this next step

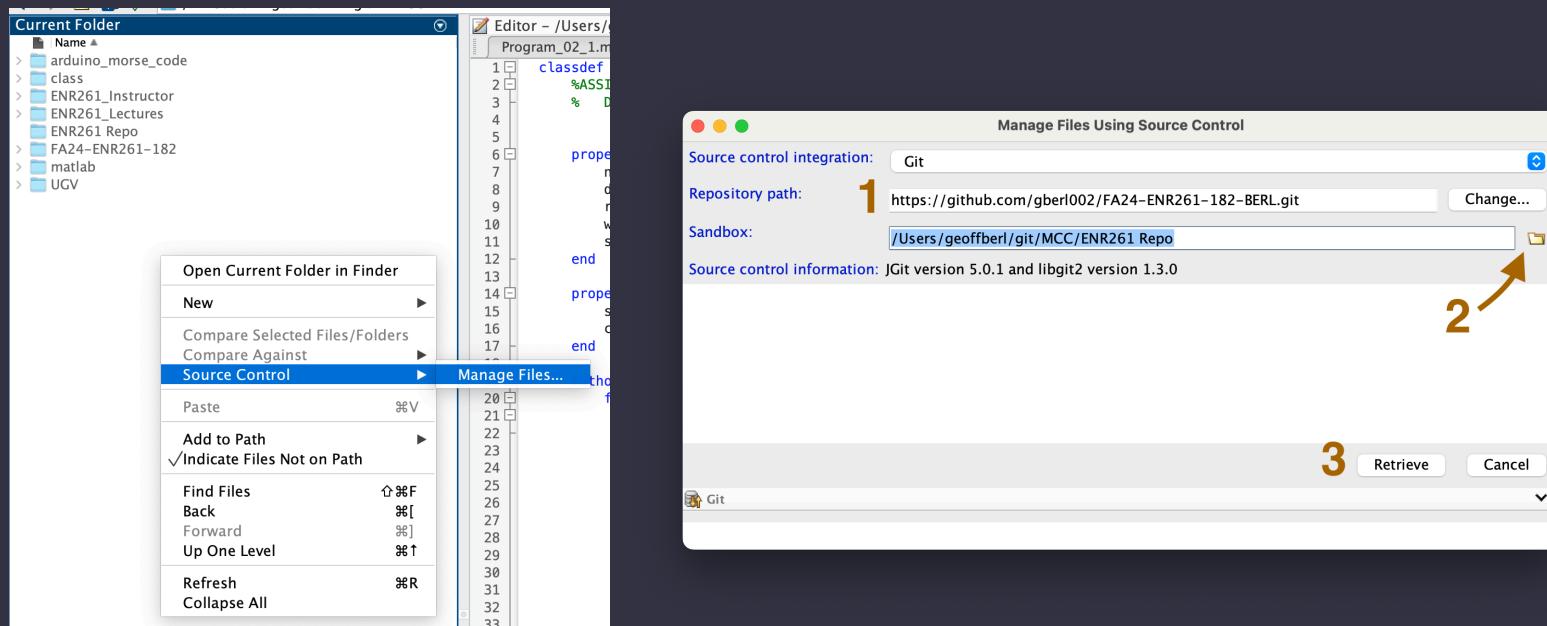
1. Go to your Github repo you created
2. Get the URL following the steps in the image



SET UP YOUR LOCAL REPOSITORY

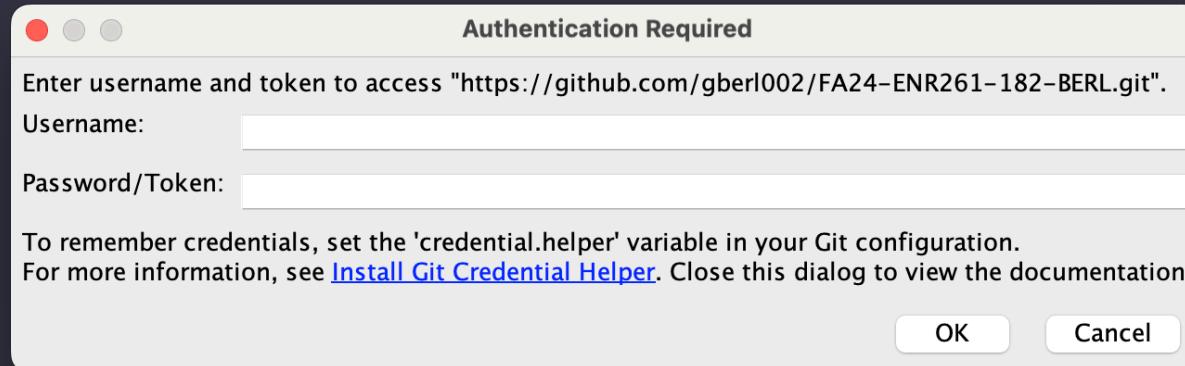
1. Click on the "Current Directory" whitespace again
2. Choose Source Control ⇒ Manage files...

Paste your Repository URL (1), select the folder you created (2), Click Retrieve (3)



AUTHENTICATE

Enter your Github account username and password



Note: You may need to create a personal-access-token. More info [here](#)

QUICK CHECKLIST

- Install Git and create a GitHub account
- Generate SSH key and add to GitHub
- `git config --global user.name` and `user.email`
- Create your repo from the template
- Clone your repo locally (SSH or via MATLAB Source Control)
- Make a small change, commit, and push
- Share repo access with your instructor

QUICK PUSH/PULL DEMO



1. Create a new file, e.g., `hello.txt`
2. Stage + commit:

```
git add hello.txt  
git commit -m "Add hello.txt"
```

3. Push to `main`:

```
git push origin main
```

4. Pull to verify on another machine (or after a change):

```
git pull
```