GitHub Desktop Guideline

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Integrant Company
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Introduction:

GitHub Desktop is an application that enables you to interact with GitHub using a GUI instead of the command line or a web browser.

You can use GitHub Desktop to complete most Git commands from your desktop with visual confirmation of changes. You can push to, pull from, and clone remote repositories with GitHub Desktop, and use collaborative tools such as attributing commits and creating pull requests.

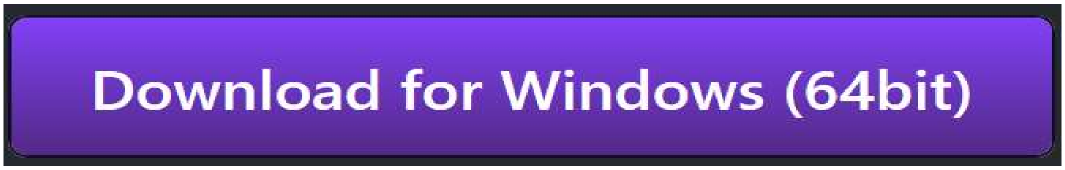
This guide will help you get started with GitHub Desktop by setting up the application, authenticating your account, configuring basic settings, and introducing the fundamentals of managing projects with GitHub Desktop.

You will be able to use GitHub Desktop to collaborate on projects and connect to remote repositories after working through this guide.

Installing GitHub Desktop:

1- Download GitHub Desktop form (https://desktop.github.com/).

2- Click **Download for Windows**.



3- In your computer's `Downloads` folder, double-click the **GitHub Desktop** setup file.

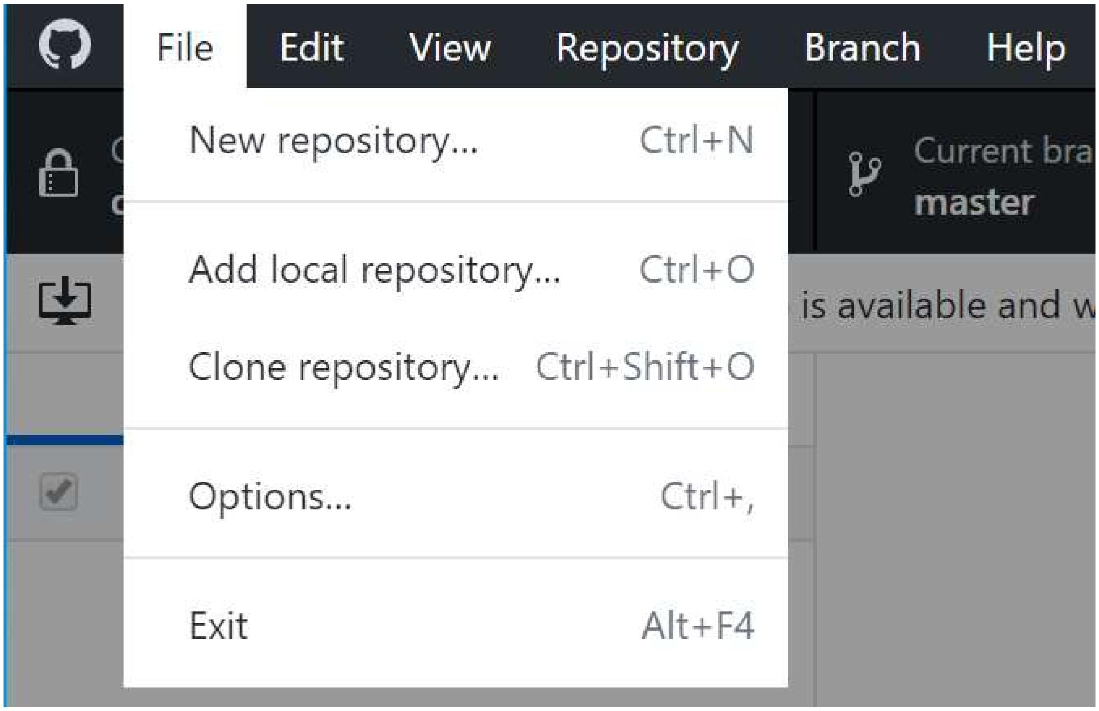
4- GitHub Desktop will launch after installation is complete.

Authenticating GitHub Desktop:

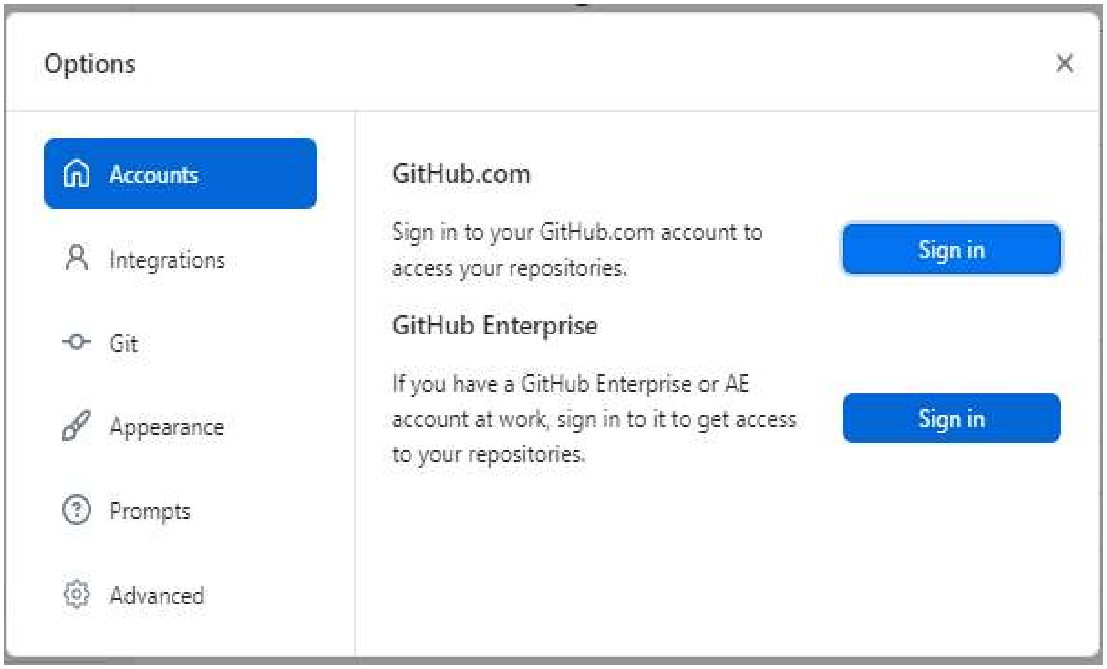
After you have installed GitHub Desktop, you can authenticate the application with your account on GitHub.

Authenticating allows you to connect to remote repositories on GitHub or GitHub Enterprise.

1. In the File drop-down menu, click **Options**.



2. In the options window, click **Accounts** and **Sign in** to" GitHub.com".



GitHub.com

Sign in to your GitHub.com account to access your repositories.

GitHub Enterprise

If you have a GitHub Enterprise or AE account at work, sign in to it to get access to your repositories.

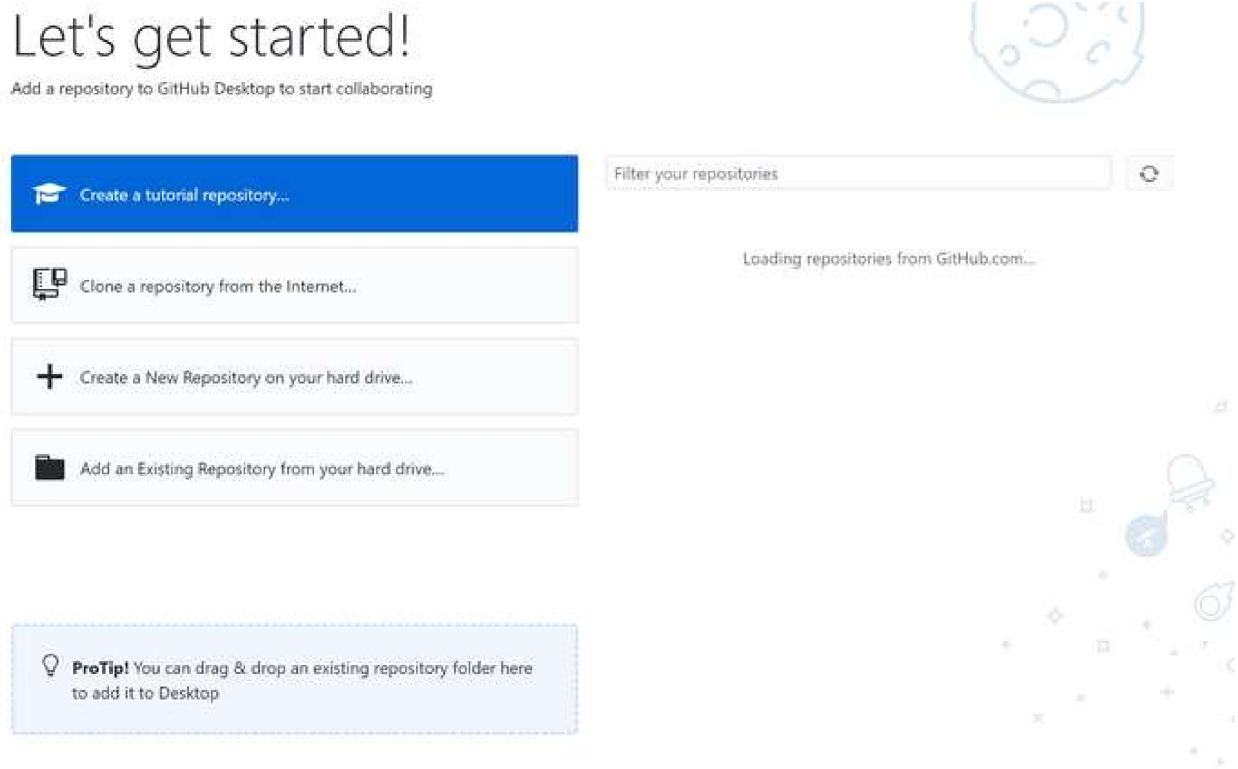
Contributing to projects with GitHub Desktop:

After installing, authenticating, and configuring the app, you are ready to start using GitHub Desktop.

You can create, add, or clone repositories and use GitHub Desktop to manage contributions to your repositories.

Creating a new repository:

If you do not have any repositories associated with GitHub Desktop, you will see a "Let's get started!" view.



Let's get started!

Add a repository to GitHub Desktop to start collaborating

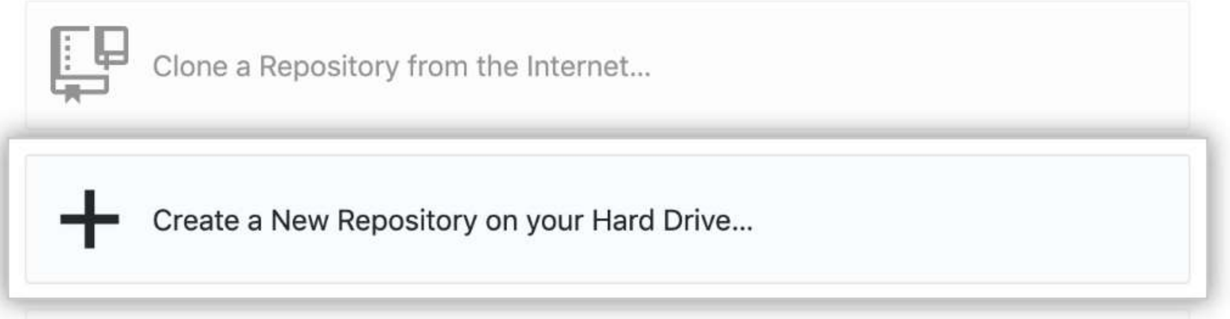
Loading repositories from GitHub.com...

ProTip! You can drag & drop an existing repository folder here to add it to Desktop

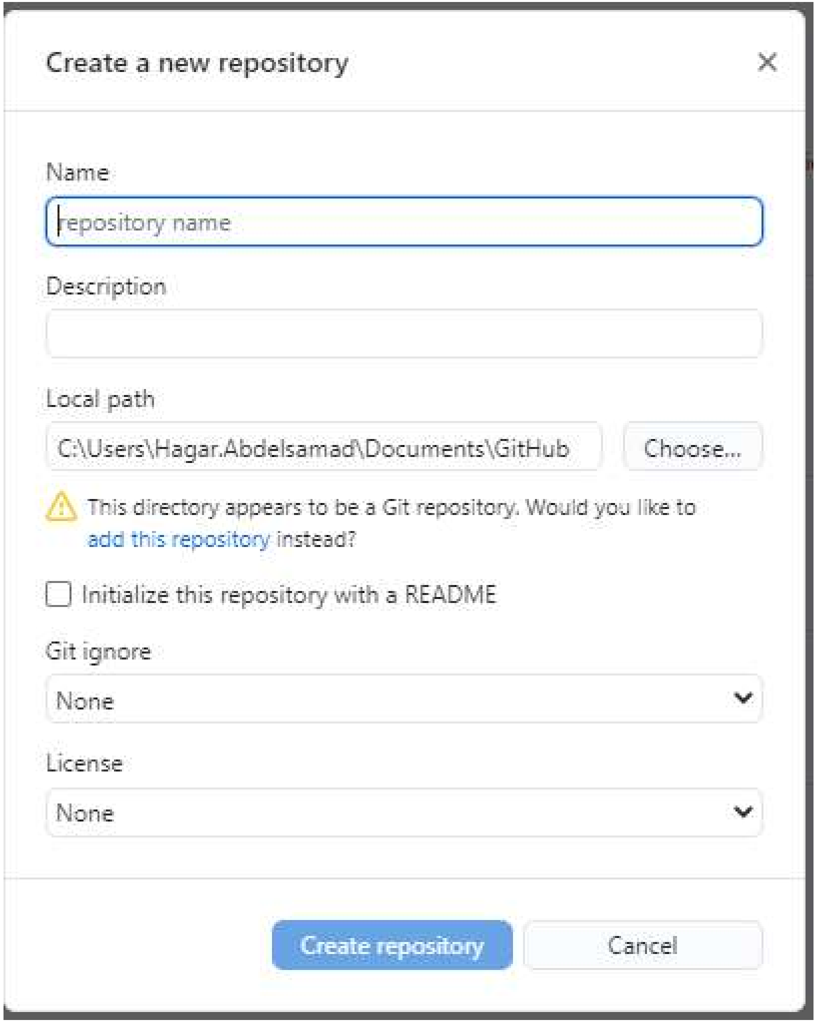
Create a tutorial repository...
Clone a repository from the Internet...
Create a New Repository on your hard drive...
Add an Existing Repository from your hard drive...
Filter your repositories

you can create a new repository.

1. Click Create a New Repository on your Hard Drive....


Clone a Repository from the Internet...
Create a New Repository on your Hard Drive...

2. Fill in the fields and select your preferred options



Create a new repository

Name

repository name

Description

Local path

C:\Users\Hagar.Abdelsamad\Documents\GitHub

This directory appears to be a Git repository. Would you like to add this repository instead?

□ Initialize this repository with a README

Git ignore

None

License

None

- "Name" defines the name of your repository both locally and on GitHub.

- "Description" is an optional field that you can use to provide more information about the purpose of your repository.

- "Local path" sets the location of your repository on your computer.
  Note that: By default, GitHub Desktop creates a ***GitHub* folder inside your *Documents*** folder to store your repositories, but you can choose any location on your computer.

- **Initialize this repository with a README** creates an initial commit with a *README.md* file.
  READMEs help people understand the purpose of your project, so we recommend selecting this and filling it out with helpful information.

- The **Git ignore** drop-down menu lets you add a custom file to ignore specific files in your local repository that you don't want to store in version control.

- The **License** drop-down menu lets you add an open-source license to a *LICENSE* file in your repository. You don't need to worry about adding a license right away

3. Click **Create repositor**

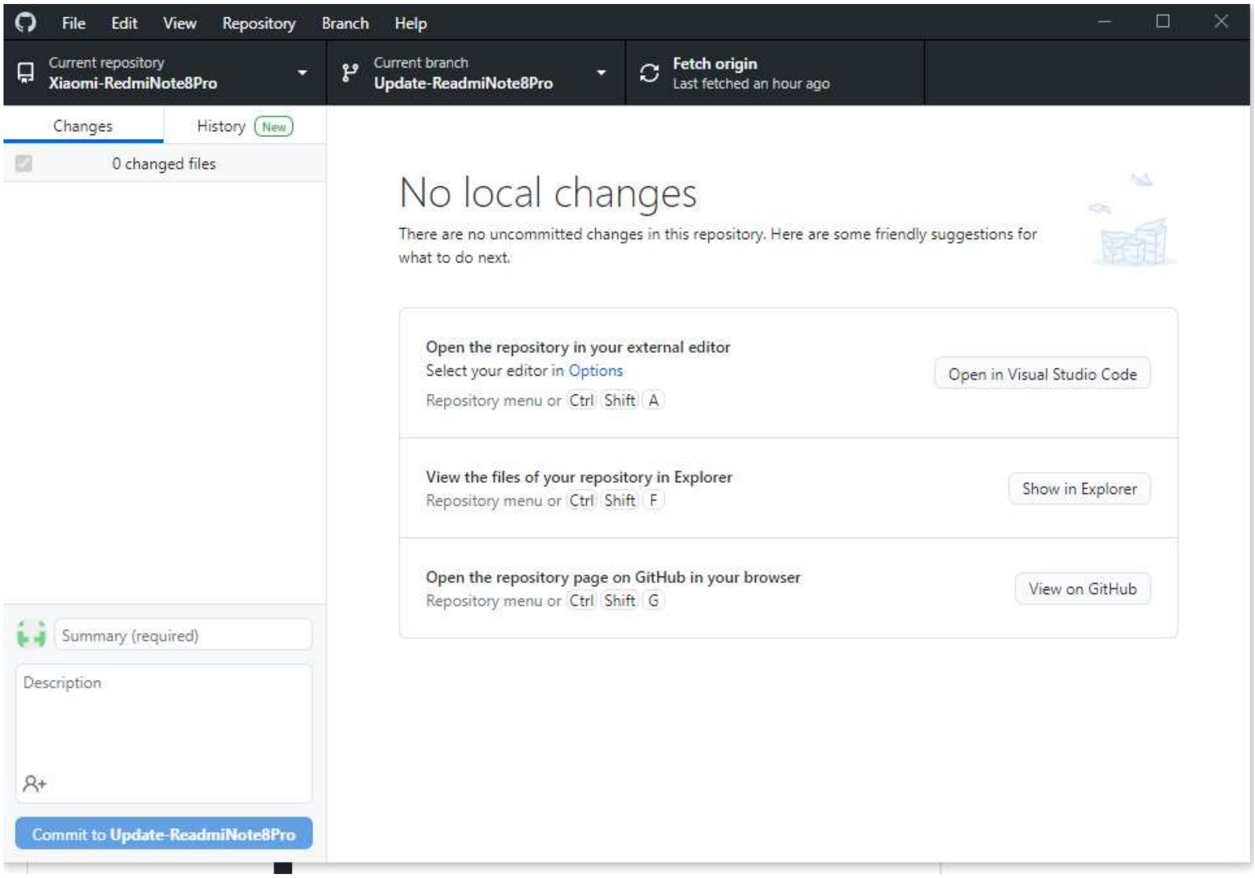
Exploring GitHub Desktop:

At the top of the GitHub Desktop app, you will see a bar that shows the current state of your repository.

- **Current repository** shows the name of the repository you're working on. You can click **Current repository** to switch to a different repository in GitHub Desktop.

- **Current branch** shows the name of the branch you're working on. You can click **Current branch** to view all the branches in your repository, switch to a different branch, or create a new branch. Once you create pull requests in your repository, you can also view these by clicking on **Current branch**.

- **Publish repository** appears because you haven't published your repository to GitHub yet, which you'll do later in the next step. This section of the bar will change based on the status of your current branch and repository. Different context dependent actions will be available that let you exchange data between your local and remote repositories.



No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.

Open the repository in your external editor
Select your editor in Options
Repository menu or Ctrl Shift A

View the files of your repository in Explorer
Repository menu or Ctrl Shift F

Open the repository page on GitHub in your browser
Repository menu or Ctrl Shift G

In the left sidebar, you'll find the **Changes** and **History** views.

- The **Changes** view: shows changes you've made to files in your current branch but haven't committed to your local repository.

- At the bottom of **Changes** view, there is a box with "Summary" and "Description" text boxes and a **Commit to BRANCH** button. This is where you'll commit new changes. The **Commit to BRANCH** button is dynamic and will display which branch you're committing your changes to.

- The **History** view shows the previous commits on the current branch of your repository.

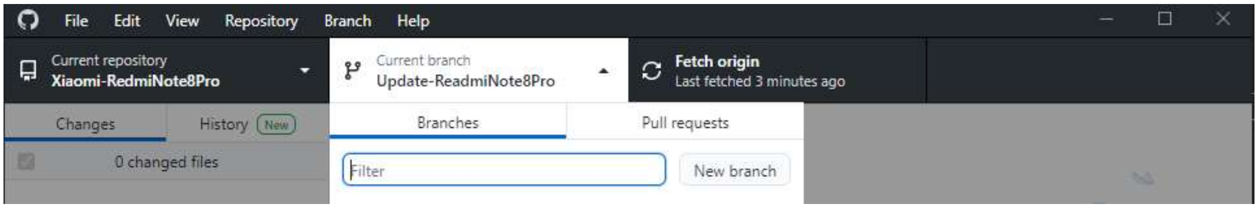
Publishing your repository to GitHub:

When you create a new repository, it only exists on your computer, and you are the only one who can access the repository.

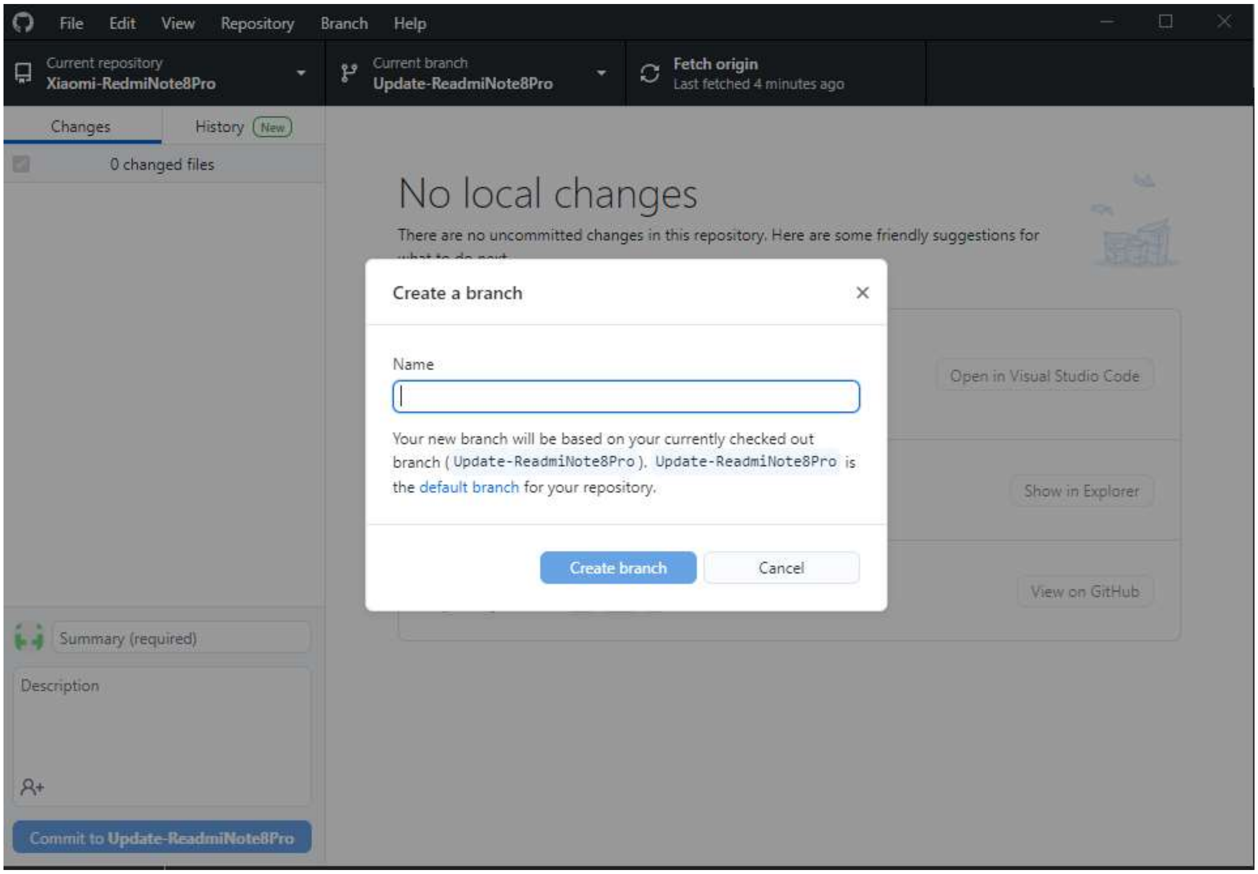
You can publish your repository to GitHub to keep it synchronized across multiple computers and allow other people to access it. To publish your repository, push your local changes to GitHub.

Once you create repository you can **Publish** repository in the menu bar.

1. Click **Current branch** in the menu bar.



2. Click **on "New branch"** and enter valid name for new branch then click on "**Create branch**" button.



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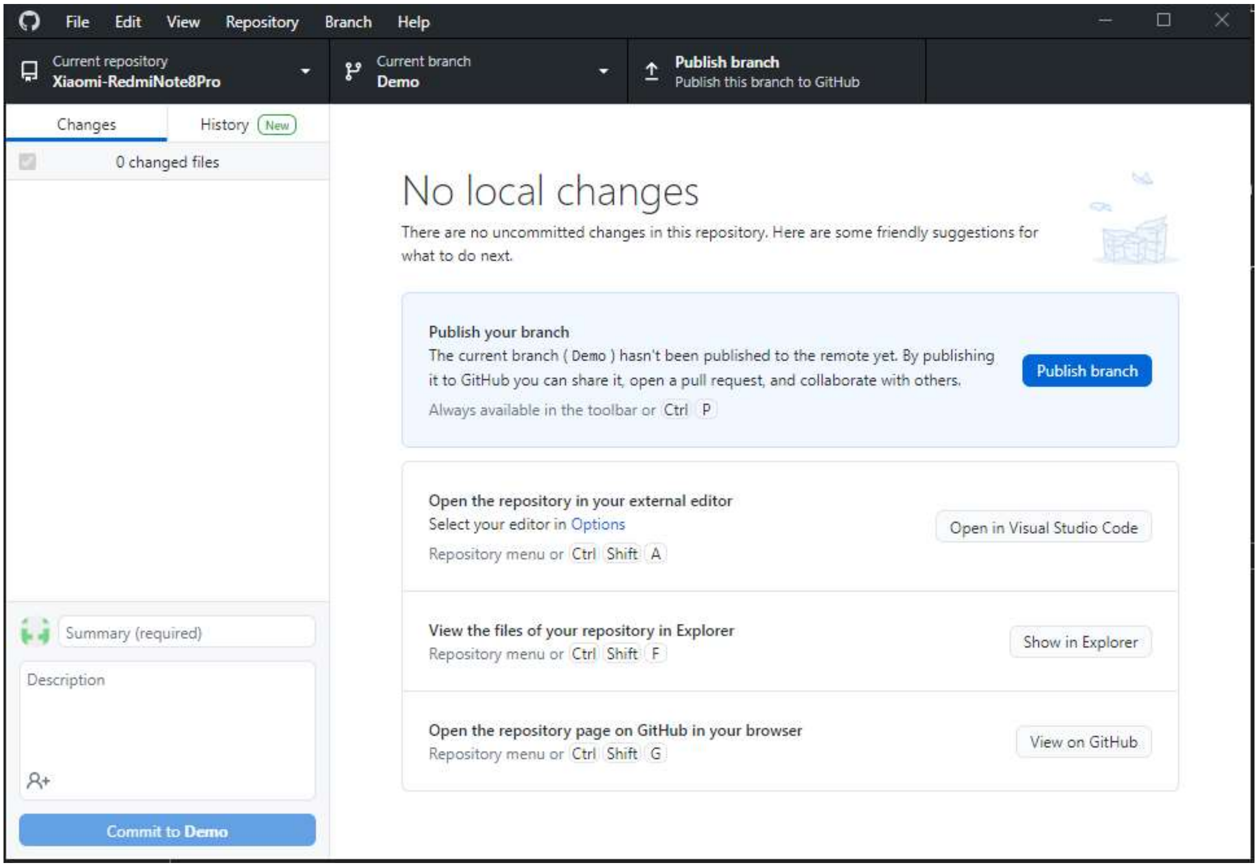
Create a branch

Name

Your new branch will be based on your currently checked out branch (`Update-ReadmiNote8Pro`). `Update-ReadmiNote8Pro` is the default branch for your repository.

3. Click **Publish branch** in the menu bar.



No local changes

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Publish your branch
The current branch (Demo) hasn't been published to the remote yet. By publishing it to GitHub you can share it, open a pull request, and collaborate with others.
Always available in the toolbar or Ctrl P

Open the repository in your external editor
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Open the repository page on GitHub in your browser
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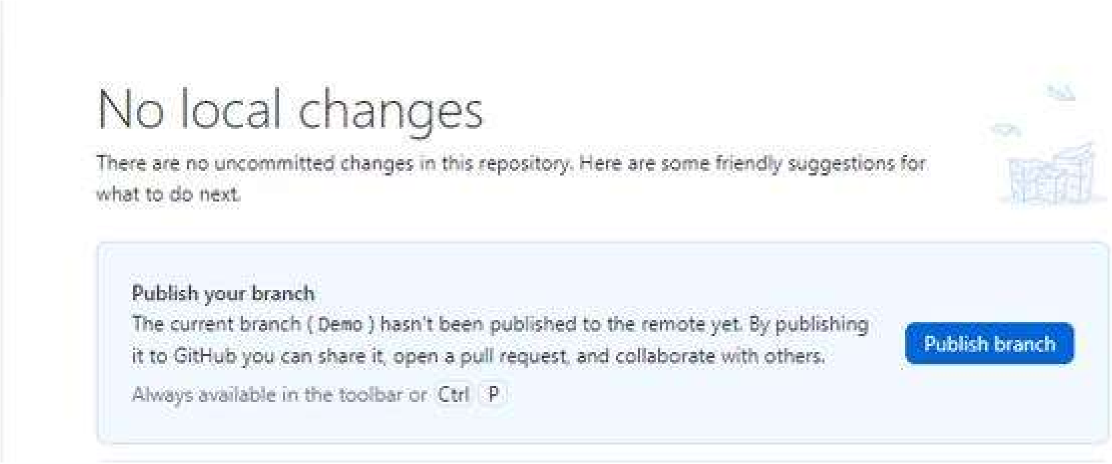
To push your code in GitHub, you should make sure your code in *GitHub* folder inside your *Documents*.
Example:(C:\Users\Hagar.Abdelsamad\Documents\GitHub\Xiaomi-RedmiNote8Pro)

4. In "No Local changes view, select "Show in Explore" option.

5. Click on "**Publish branch**" option.



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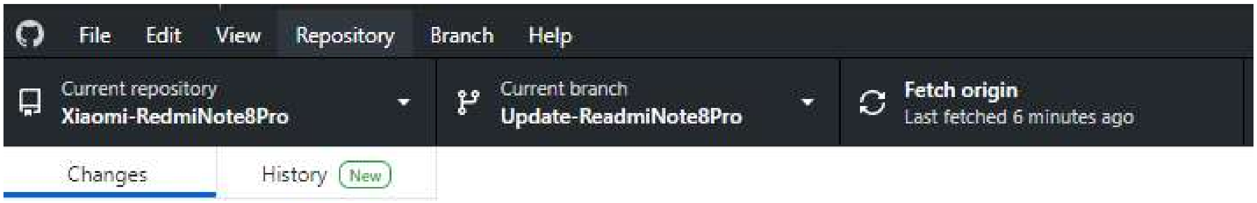
Always available in the toolbar or Ctrl P

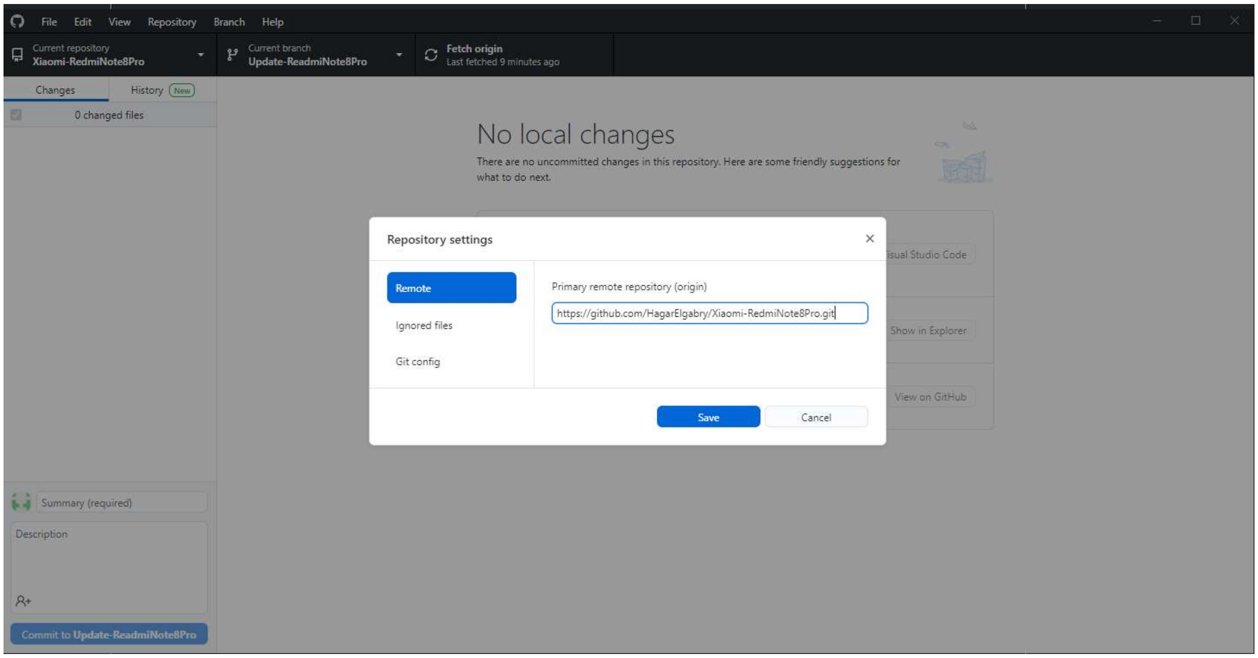
Changing a remote's URL from GitHub Desktop

You can use GitHub Desktop to share your code to collaborate on projects with other people by getting GitHub URL

1. Click on **Repository** in menu, click **Repository Settings....**



2.
3. Click on **Repository Settings**



There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.

Primary remote repository (origin)

https://github.com/HagarElgabry/Xiaomi-RedmiNote8Pro.git

4. Copy URL and share it with your team