

Praise GitHub



Desktop



GitHub Desktop

Presented by Michael Ng



Selling Point

- ❖ You ever hate GitHub.com? Or Pushing/Pulling via Visual Studio Code?
- ❖ GitHub Desktop makes it a lot easier to manage source code.
- ❖ Makes it a **lot** easier to switch branches and repositories.
- ❖ Makes it easier to figure out where your repo is on your PC.
- ❖ No more downloading ZIP files!!!
- ❖ No more being Sherlock Holmes to find your repository!!!

HTTPS

SSH

GitHub CLI

https://github.com/keymp1/Hateful8.git

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop <-- Fast & Reliable!

Open with Visual Studio <-- Kinda Fast...

Download ZIP

Branch

Help

Current branch

MobileFriendlyWeb... #20

Fetch origin

Last fetched just now

Branches

Pull requests 1

Filter

New branch

Default branch

Sprint5Main 15 minutes ago

Recent branches

✓ MobileFriendlyWebsite 1 hour ago

Adding-the-game-submission-link-abov... 1 hour ago

Sprint4Main 12 days ago

CreateTappableButtonsTetris 21 days ago

Sprint3Main 26 days ago

Other branches

Dev 2 months ago

Mobile-Controls 28 days ago

Reduce-Tabs 2 months ago

Sprint2Main 2 months ago

The Summary

GitHub Desktop

1. Target Audience: All Developers
2. Keywords: GitHub Desktop, Easier, Simplifies, Fast.
3. Summary:
 - ◇ **What:** A fast way to pull, push, commit, create pull requests, etc.
 - ◇ **Where:** At any computer with internet connection.
 - ◇ **When:** ASAP, when you start a project.
 - ◇ **Why:** Better source control, leading to less merge conflict and less risk!
 - ◇ **How:** Download, get your repository, then type away!

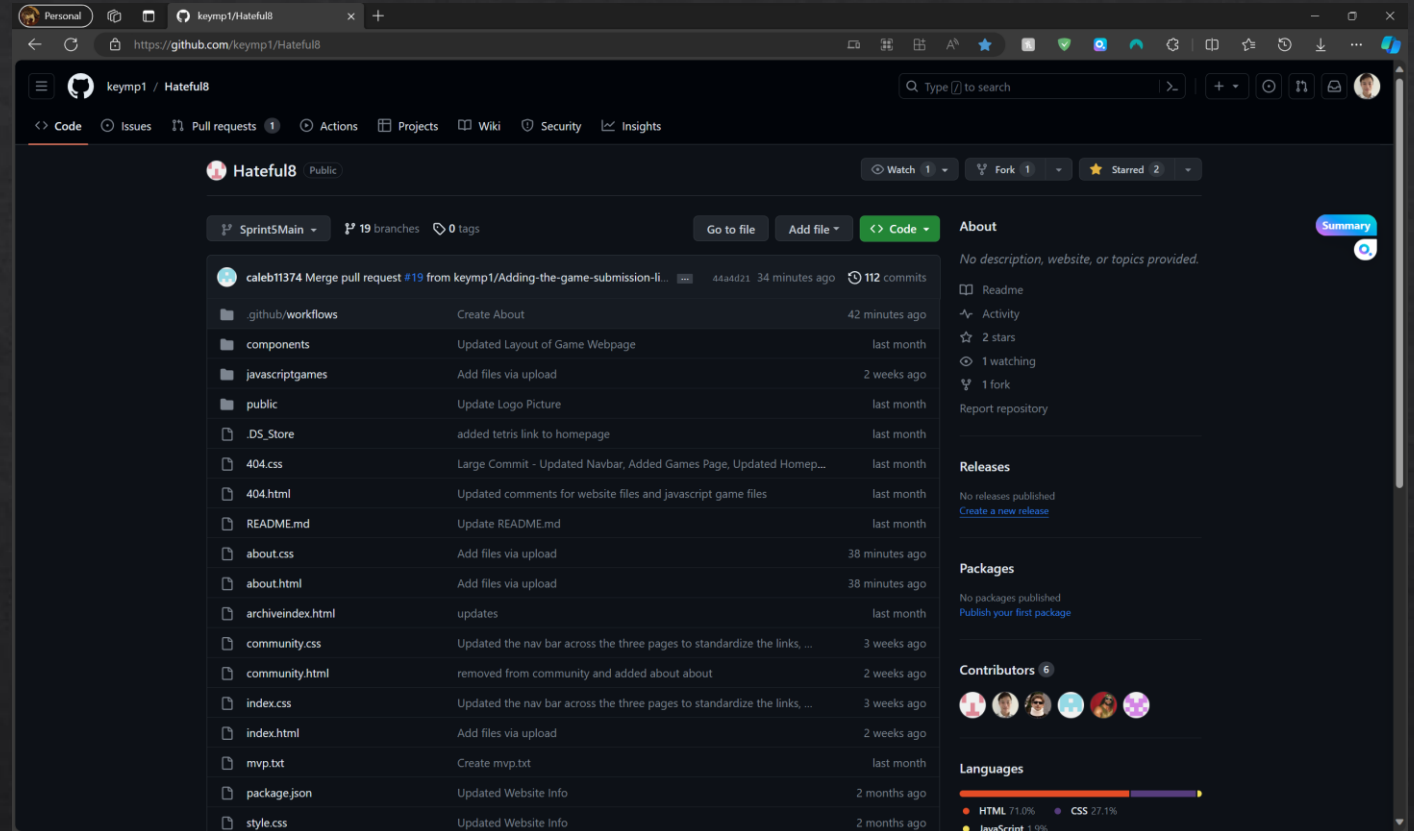
Agenda

- ◆ Before GitHub Desktop
- ◆ What is GitHub Desktop
- ◆ Why use GitHub Desktop
- ◆ When to use GitHub Desktop
- ◆ How to use GitHub Desktop
- ◆ Some Conflicts I noticed



Before GitHub Desktop

- ◇ You have a project on your Desktop that you'd like to publish to your GitHub account...
- ◇ Or you have a project on GitHub you'd like to clone to your Desktop.



Before GitHub Desktop

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`https://github.com/keymp1/Hateful8.git`



Use Git or checkout with SVN using the web URL.

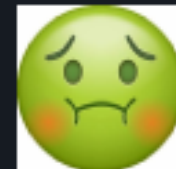


 Open with GitHub Desktop <-- Fast & Reliable!

Open with Visual Studio <-- Kinda Fast...



Download ZIP



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Don't show again

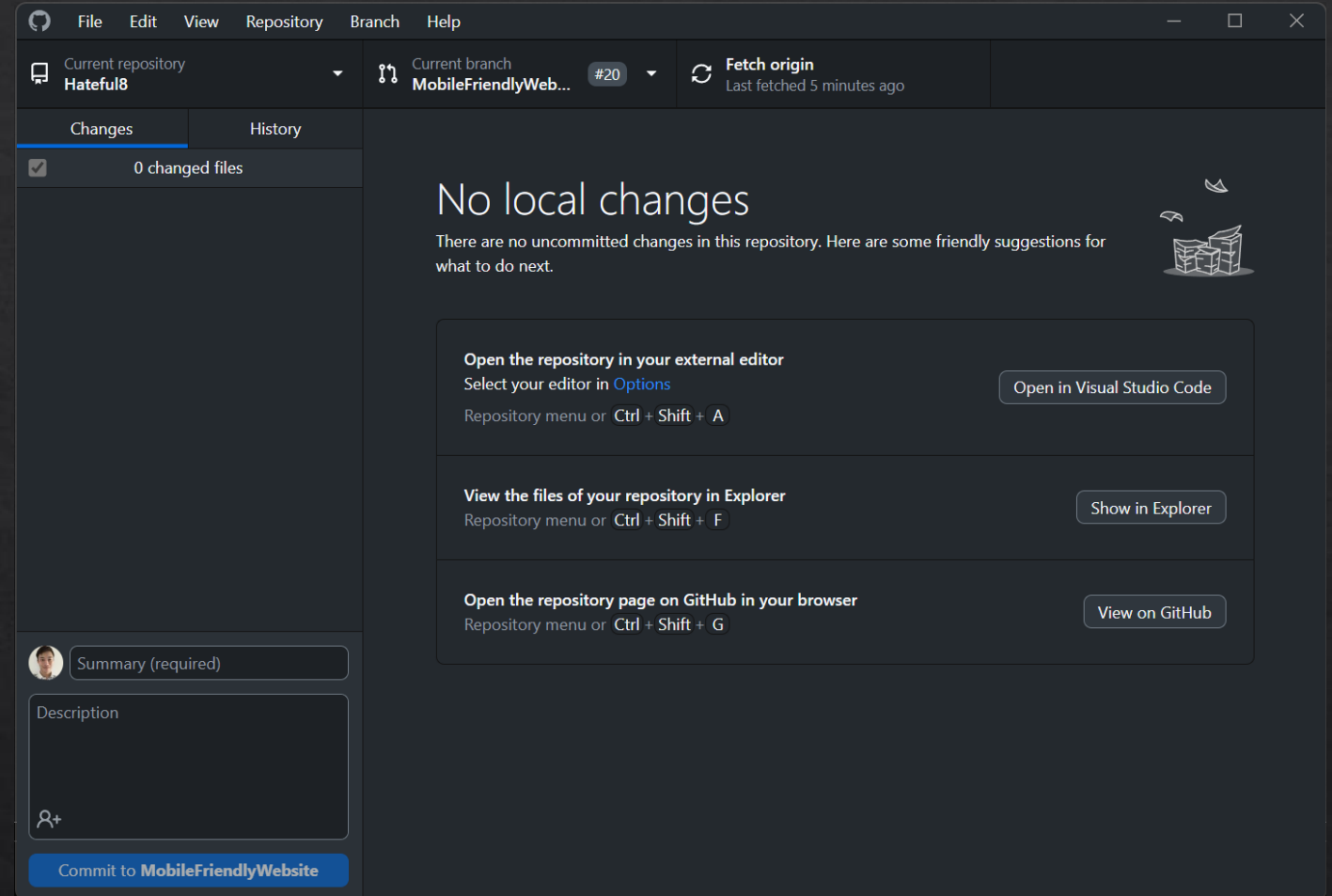
GitHub Desktop

- ◇ “Focus on what **matters** instead of fighting with Git.”
- ◇ Simplifies your development workflow.



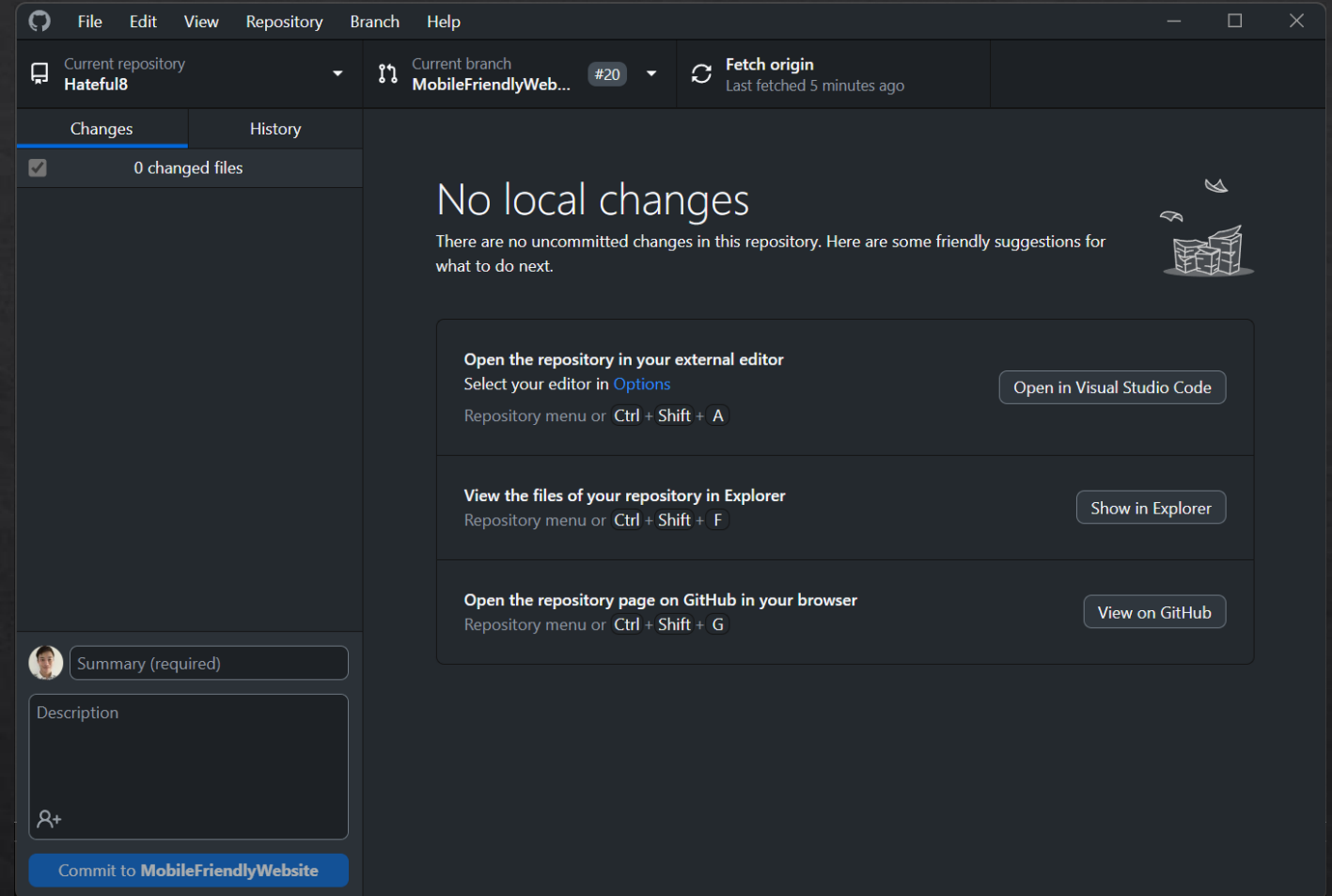
What is GitHub Desktop?

- ◇ A fast way to do your typical Git Actions like: push, pull, commit, merge, create pull request, etc.
- ◇ Better at source control management than GitHub.com.
- ◇ Downloadable at <https://desktop.github.com/>



Why Use GitHub Desktop?

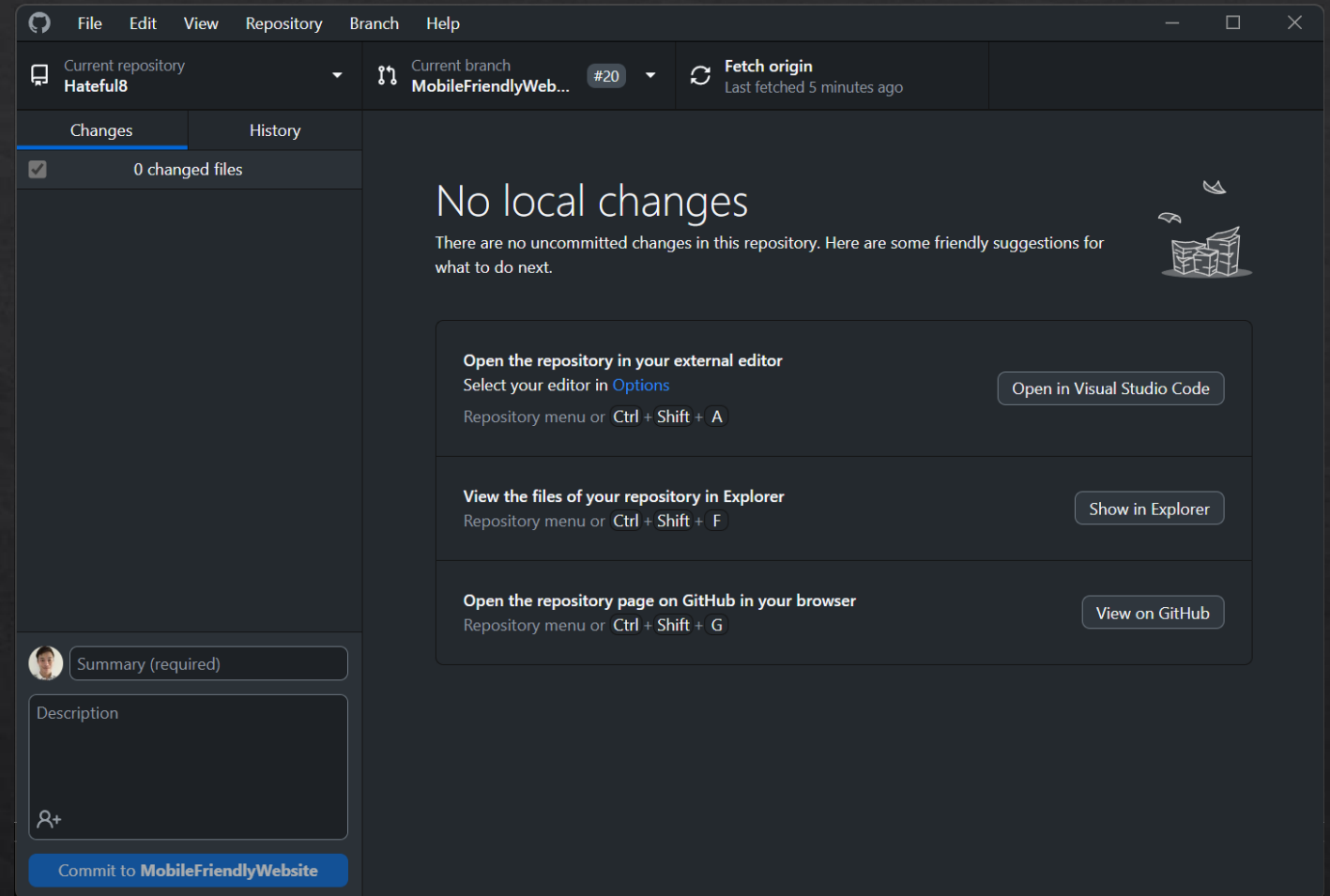
- ❖ You can quickly sync your code with the branch you are working on.
- ❖ Better at source control management than GitHub.com.
- ❖ You can also easily stash changes on your current branch to load another branch. (Good for doing code reviews while developing.)
- ❖ **Continuous Integration**
 - ❖ “Fundamental practices of planning, coding, making changes or merging, checking results, and pushing”



<https://www.geeksforgeeks.org/what-is-continuous-integration/>

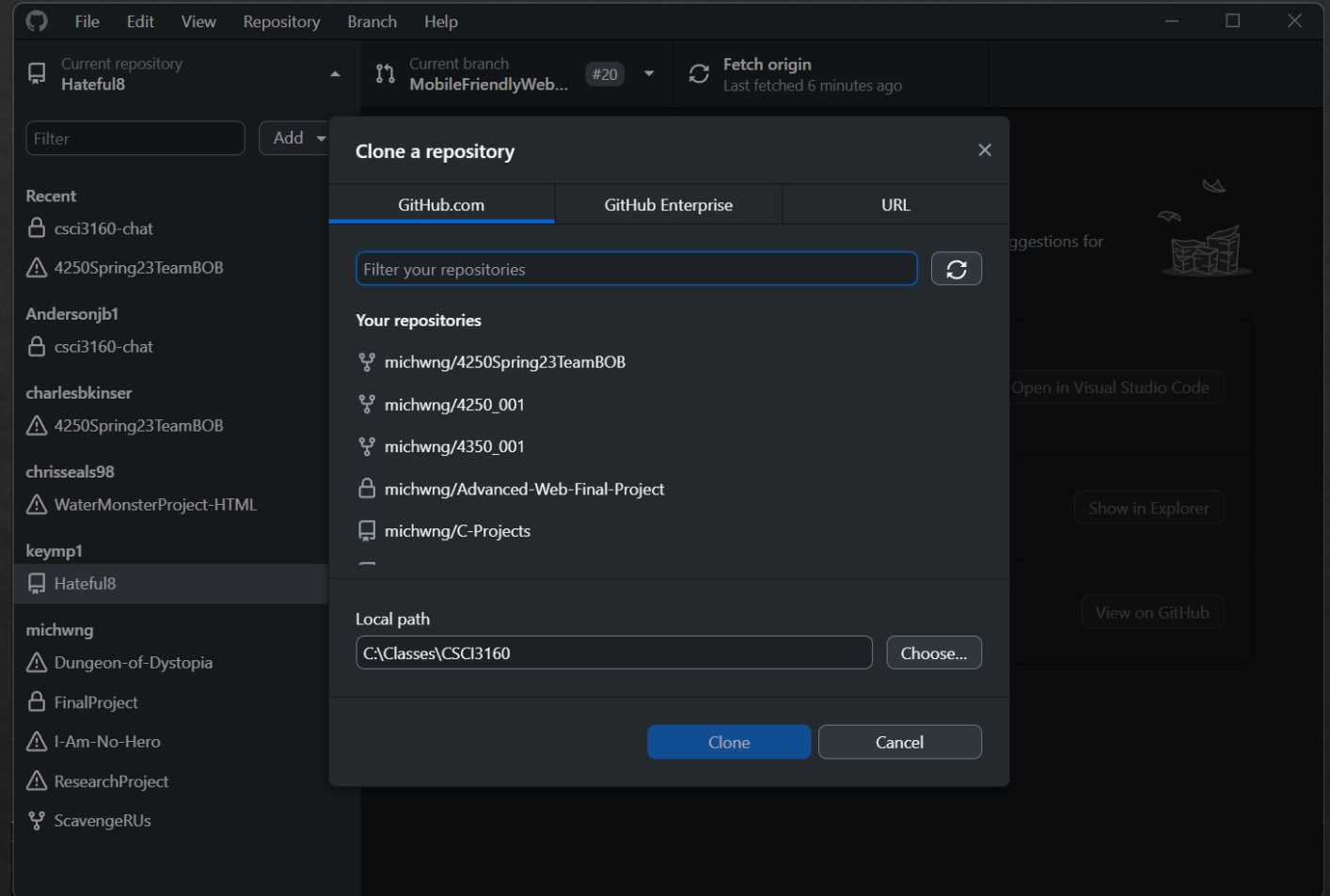
When to Use GitHub Desktop?

- ◇ Anytime you are working on a project and need good source control.
- ◇ Reduces merge conflicts and speeds up development time.
- ◇ If you are experiencing a lot of merge conflicts, look no further than GitHub Desktop!



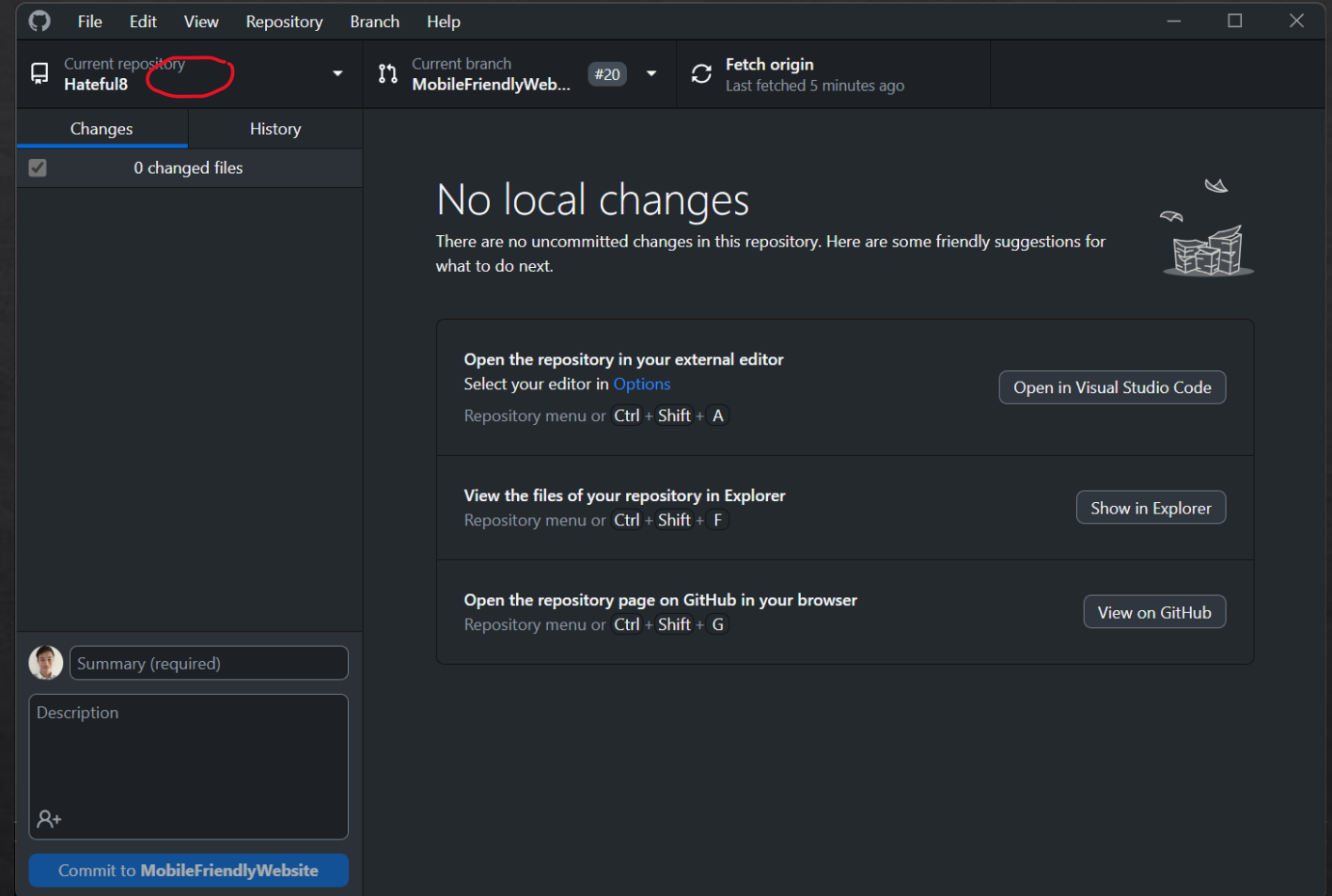
How to Use GitHub Desktop

- Start by cloning one of your branches from a repository you own or some random other repository via a URL.



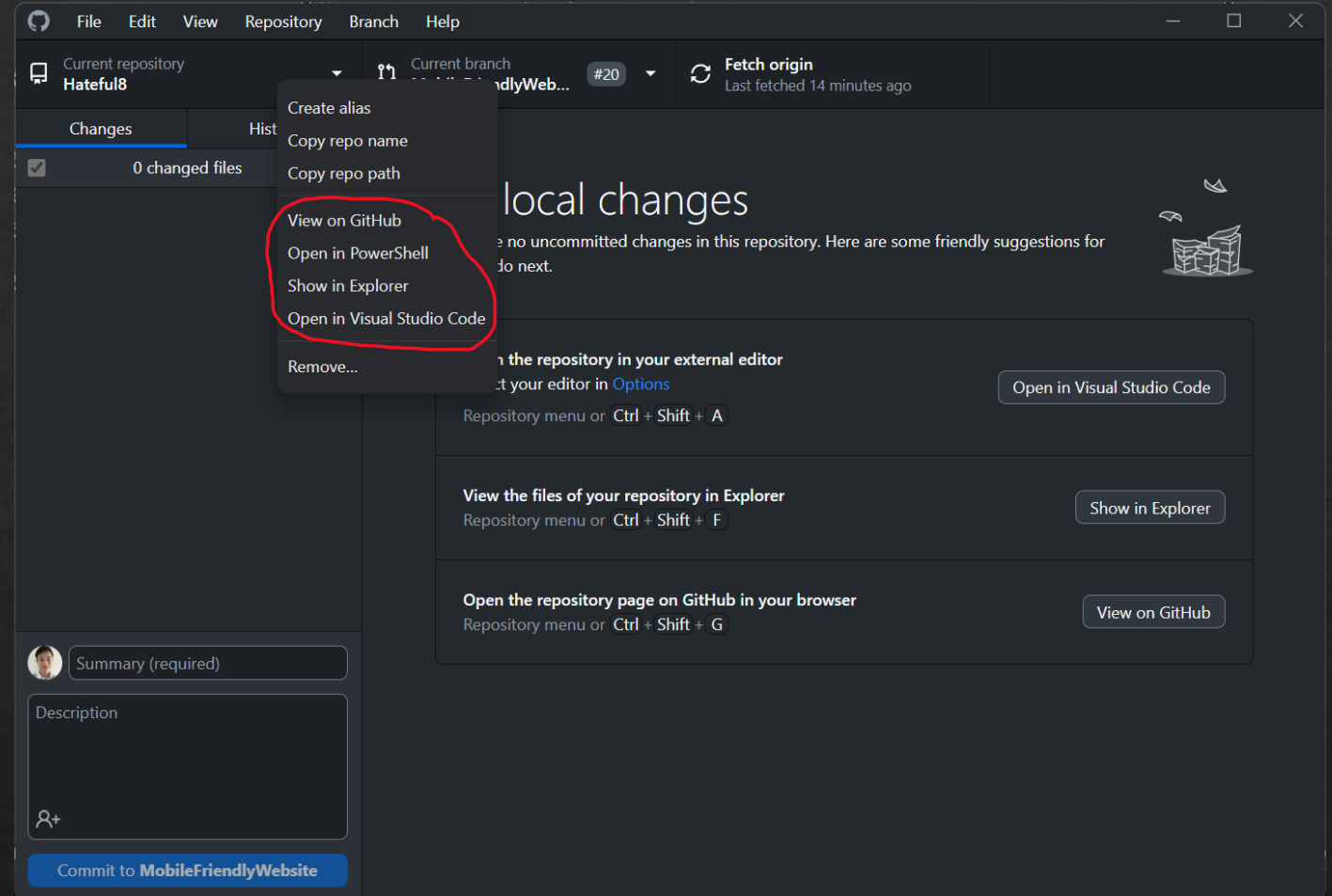
How to Use GitHub Desktop

- ◇ Now that you have your repository downloaded, you should see this screen.
- ◇ Right-Click the area shown in the picture.



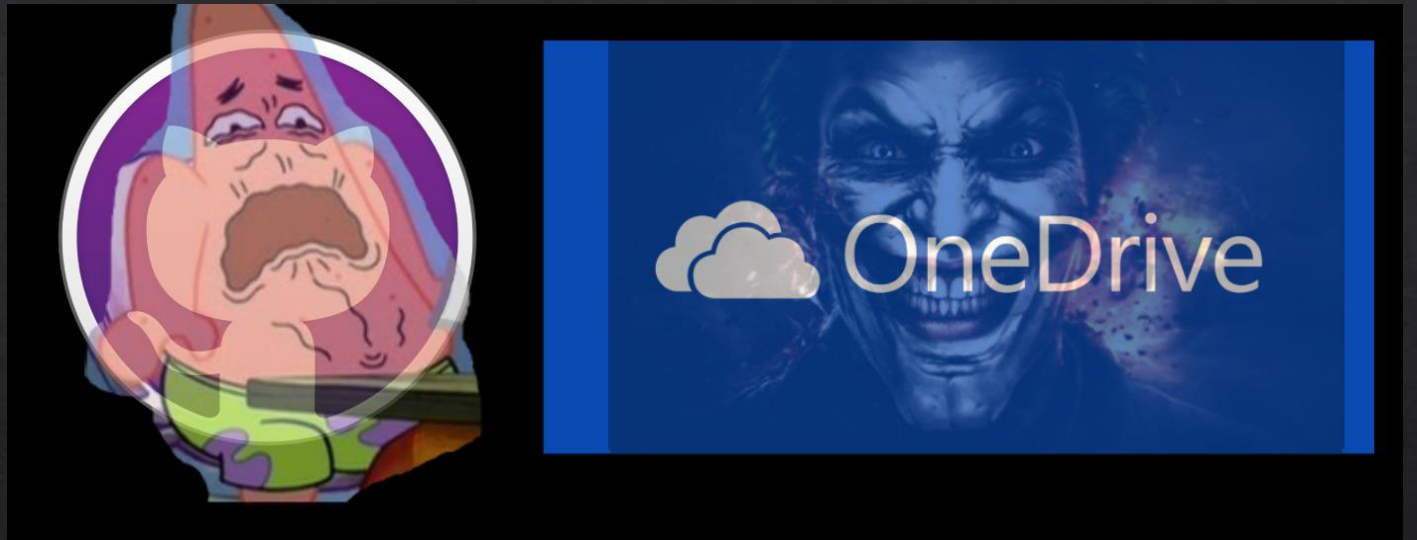
How to Use GitHub Desktop

- Many options. Use this to easily locate your project on your file system or edit it!



Some Conflicts

- ◆ GitHub Desktop has some qualms with OneDrive. Make sure you save your project locally on your computer, like “C:\Classes\Software Engineering II”.



The Summary

GitHub Desktop

- ◆ **Who:** Developers
- ◆ **What:** A fast way to pull, push, commit, create pull requests, etc.
- ◆ **Where:** At any computer with internet connection.
- ◆ **When:** ASAP, when you start a project.
- ◆ **Why:** Better source control, leading to less merge conflict and less risk!
- ◆ **How:** Download, get your repository, then type away!

The End

- ◇ Please Download GitHub Desktop here:
<https://desktop.github.com/>



References

- ◆ Continuous Integration: <https://www.geeksforgeeks.org/what-is-continuous-integration/>
- ◆ GitHub Desktop: <https://desktop.github.com/>