GitHub Cheat Sheet

# Creating a GitHub Issue

1. Click the Issues tab.
2. Click New Issue.
3. Type in a Subject.
4. Type in a comment in the Write tab.
5. Click the Submit new issue button when finished.

# Creating a GitHub Branch

1. Click the Branch: master dropdown button.
2. Type in a name for a new branch.
3. Press enter.

# Enabling Branch Protection for a GitHub Branch

1. Navigate to the Settings tab of the repository.
2. Click on the Branches navigation menu item.
3. In the Protected branches section, select the branch you want to protect.
4. Check (enable) the Protect this branch option.
5. Optional: Check (enable) the Restrict who can push to this branch.
6. Optional: Select the appropriate collaborators.

# Creating a Clone of a GitHub Branch

1. Navigate to the Code tab of the repository.
2. Click Clone or download dropdown button.
3. Copy the clone URL to your clipboard.
4. Open your command line application.
5. Type: git clone <CLONE-URL>
6. Once the clone is complete, cd into the new directory created by the clone operation.

# Adding a file to Git tracking

1. Open your command line application.
2. Type: git add <FILE-NAME>
3. Verify it’s been added by typing: git status

# Committing staged files

1. Open your command line application.
2. Verify you have files to commit by typing: git status
3. Type: git commit
4. Git will open your default text editor and request a commit message.
5. Type your message on the top line of the file.
6. Save and close the commit message.
7. Verify the change has been committed by typing: git status

# Push committed changes to GitHub

1. Open your command line application.
2. Type: git push

# Inviting a Collaborator to your GitHub Repository

1. Navigate to the Settings tab of the repository.
2. Click on the Collaborators & teams navigation menu item.
3. In the Collaborators section, type the GitHub user id of the individual you want to add as a collaborator.
4. Click the Add collaborator button.

# Creating a GitHub Project

1. Navigate to the Projects tab of the repository.
2. Click the Create a project button.
3. Type in a Project board name.
4. Type in a Description.
5. Select the Kanban (Basic) option from the Template: dropdown button.
6. Click the Create project button.

# Creating a GitHub Pull Request

1. Navigate to the Pull Requests tab of the repository.
2. Click New Pull Request.
3. In the base dropdown, choose the destination branch.
4. In the compare dropdown, choose your source branch.
5. Type in a subject line and enter a comment.
6. Optional: Use markdown formatting to add header and a checklist.
7. Optional: Include one of the keywords – closes, fixes, or resolves followed by an issue number.
8. Click Preview to see how your Pull Request will look.
9. Optional: Assign the Pull Request.
10. Click Create pull request button.

# Performing a Code Review of a Pull Request

1. Navigate to the Pull Requests tab of the repository.
2. Use the Author dropdown to locate the collaborator’s pull request.
3. Click the Files Changed tab.
4. Hover of a single line in the file to see the blue +.
5. Click the + to add a line comment.
6. Comment on the line and click Start review.
7. Click Review in the top right corner.
8. Choose whether to Approve or Request changes.
9. Enter a general comment for the review.
10. Click Submit review.
11. Click the Conversation view to check out your completed review.

# Merging a GitHub Pull Request

1. Navigate to the Pull Requests tab of the repository.
2. Use the Author dropdown to locate the collaborator’s pull request.
3. Click Conversation.
4. Scroll to the bottom of the Pull Request and click the Merge pull request button.
5. Click Confirm merge.
6. Click Delete branch.

# Closing Issues Keywords

|  |  |  |
| --- | --- | --- |
| close | closes | closed |
| fix | fixes | fixed |
| resolve | resolves | resolved |

# Commonly Used Commands

git config --list

Shows you the contents of the three config files.

git config –global core.editor “code –wait”

Sets Visual Studio Code as the default editor

git branch testing

Creates a new branch named *testing*.

git checkout testing

Switches to a branch named *testing*.

git branch --all

Shows all the branches.

git add README.md

Adds / stages a file to named *README.md*.

git commit

Commits any files that are already staged.

git push

Pushes your latest changes to GitHub.

git pull

Retrieves latest changes from GitHub.

# Commonly Used Markdown Syntax

* [ ] Checklist

A – followed by a space and [ ] will create a handy checklist in your issue or pull request.

@mention

Causes a notification to the @mention individual.

#975

A # followed by the number of an issue or pull request (without a space) will create a cross-link.

# Header

The # indicates a Header. # = Header 1, ## = Header 2, etc.

\* List item

A single \* or – followed by a space will create a bulleted list.

\*\*Bold item\*\*

Two asterix \*\* on either side of a string will make that text bold.

[Hyperlink item](https://www.website.com)

A [ ] followed by a URL enclosed in ( ) will create a hyperlink.