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1. **What is Github? When was it created? Why? By whom? What similar platforms exist? Why would you use such a platform?**

Github, a code hosting platform, is used for version control and collaborating on projects. It was created in 2008 by Chris Wanstrath, Tom Preston-Werner, and PJ Hyett. GitHub was made so people can download a copy of source code their machine, make changes, and then easily upload those changes back to repository without interfering with other team members. A few other similar platforms that exist are Gitlab, BitBucket, SourceForge, and launchpad. I will use a platform like GitHub because it allows a team of programmers to easily work on any project at the same time. The project is located in a spot that is easily accessible, and a programmer will be able to edit the project online or offline without interrupting another person’s portion of the program.

1. **Define the following terms in the context of Git (2 lines maximum for each):**

* Repository – A project or the folder or place where the project is kept. Repository is also known as repo.
* Commit – Save files in Git.
* Push – Upload Git commits to GitHub or another remote repository.
* Branch – lists all the local branches in the current repository
* Fork – A copy of the repository allow you to make changes without affecting the original project.
* Merge – This will integrate the changes from one branch to another
* Clone – A repository that is not on a user’s local machine, but instead hosted in a place such as GitHub and is placed into a folder on the user’s local machine
* Pull – If there are changes to a repository that isn’t saved on a user’s local machine, this command is used to download any changes from the remote repository.
* Pull request – allows users to tell others about the changes they’ve pushed to a branch in a repository. This allows discussion on the changes before the changes are merged into the base branch.