

STUDY GUIDE

BEST PRACTICES, GITHUB FOR DATA

Key Terms and Definitions

- » **Pull Requests:** When individual branches are ready to be merged back into the master branch, the branch's owner can make a pull request and ask the administrator to "pull" their branches changes into the master branch.
- » **Changelogs:** Record the changes that individuals make to a repository so it is easy to identify who did what and at what point in time.
- » **Merge Conflicts:** Occur when there are competing changes to a repository.
- » **Secure Shell (SSH):** A common means of adding an additional layer of security. The SSH key is used to establish authenticity between a client and a server so that a secure connection or "tunnel" can be formed.

Guiding Questions

1. How would you handle merge conflicts if you were managing a project?
2. Why is it important to write meaningful commit messages?
3. Why is considered a best practice to create pull requests instead of merging straight to the master branch?

Additional Resources

- » [GitHub Tutorial](#).
 - There are many similar tutorials out there, but this one is efficiently explained.
- » [GitHub Demo](#)
 - Watch our sample tutorial for a brief walkthrough.