Introduction to Source Control

You and the developers on your team need to establish a continuous delivery system for this project to ensure good version control procedures. Each developer has been assigned a computer and will individually configure their own preferred programming tools. However, all developers must use the same version control system.

1. Install and configure git which will be used for version control by all developers. Create a GitHub account if you do not already have one and create a repository that will be used for this exercise.

2. Create a folder for a new project or clone one from your GitHub account. Add files to the project, commit them and update the GitHub repository. If working in a team, verify that you can update your local repository with changes made to the GitHub repository by team members.

3. What are some steps you can take to ensure that changes by different developers are not overwritten by conflicting modifications to a GitHub repository? If your team wanted to work with private repositories, would you use GitHub or another solution? What desktop tools could you use to simplify the version control process?