

Source Control



MSUM ACM Workshop

What/Who/Why/Options

- Management of changes to documents, computer programs, large websites and other collections of informations.
- Everyone from small developers to large corporations
- To improve your software development process, conservation of your code, and ability to share and work together
- Options
 - TFS (Team Foundation Server) - Microsoft
 - Git
 - ClearCase
 - CVS

The Good, the Bad and the Ugly

- Centralized Repositories that can be accessed anywhere (No more backups or different versions of the same file), Stop using flash drives (storage in general), Stay organized, and easily work in teams
- Requires some knowledge of how source control is used in general, command line is actually your friend, and depending on your choice of source control there can be downsides.
- Having to understand exactly what is happening at every step.

Step-by-Step Git

1. Create [Github](#) account
2. Open eclipse (Located on desktop)
3. File -> Import -> Git -> "Project from git" -> Clone URI
 - a. URI - Uniform Resource Identifier
 - b. Go to github.com -> Click on Source-Control-Worshop repository
 - c. Copy and paste URI into URI field
 - d. Add User Name and Password -> "Check Store in Secure Store"
 - e. Click Next until Finish then click Finish
 - f. Click "Quick Auto Config"
4. Open Example.py -> Press Ok.

Workshop Pull

1. Open Names.txt
2. When its your turn, Add the next number, your name, and class
3. Right click on Names.txt -> Team -> Commit
4. Enter a commit message "Added <your name>"
5. Click commit and Push
6. Press OK
7. Next person, Right click on Project -> Team -> Pull
8. Press Ok and then go to step 2

Github Setup

1. Go to www.github.com
2. Sign up for an account
3. Choose a Username, email, and password