Resolving Merge Conflicts

# Avoiding Merge Conflicts

* Run **WorkStart.bat** in the Git Shell after downloading on the new computer
* Be aware of common files that might cause merge conflicts
  + .sln – Adding/Removing/Renaming projects in a solution are some of the things that might cause changes in this file.
  + Website files –
    - Web.config
    - Site.master and Site.master.cs
    - Default.aspx and Default.aspx.cs

# Fixing Merge Conflicts

If you sync and a merge conflict occurs, then do the following:

* Click “Open Shell” from GHfW
* Type the following in the shell:  
  **git mergetool -t kdiff3**
* Use the kdiff3 tool to fix the merge
  + More steps here
* Type the following in the shell (after ***all*** the merge conflicts are resolved)  
  **git rebase --continue**

The merge conflict should be resolved. If so, be sure to finish any other commits and sync right away.

# Appendix

Important articles to read:

* <http://www.gitguys.com/topics/merging-with-a-gui/>
* <http://www.gitguys.com/topics/merging-with-a-conflict-conflicts-and-resolutions/>