

## SVN Troubleshooting:

- 1) Check the error that SVN gives when the student calls you over (If there is no error, go to 2):
  - a. Folder "" does not exist remotely / There was a problem while connecting to stdlinux.cse.ohio-state.edu:22 ---- This is the error Paolo has posted about on Piazza, direct the student to the stickied post.
  - b. SVN commit failed – file remains in conflict ---- This error means A) the file is actually in conflict or B) the file believes it is in conflict. Go to 2.
- 2) Check the icons next to the student's files in the project folder (If all icons look normal and have a yellow cylinder beside them, it should work. Have never seen an SVN issue where the icon was fine but something went wrong.)
  - a. If the student's files have a greyed-out Java icon (white background, lightly colored J), SVN has pulled the project down from the repository incorrectly. Depending upon if they still have an un-corrupted copy or not, they may need to make a local backup and create a whole new project. Steps I usually try:
    - i. IF the other partner's file does not have greyed out icons
      1. Try having the student disconnect their project from SVN (Team->Disconnect..)
      2. Make a local backup of the student's source code just in case.
      3. Then delete the project locally (Delete meta data locally but not on SVN).
      4. Then have the student check out a new copy of the project from SVN. (Yes replace existing project if asked).
      5. If this does not fix the issue, go to 2.a.ii.
    - ii. IF the other partner's file DOES have greyed out icons or 2.a.i did not fix the problem
      1. Try having both students disconnect their project from SVN (Team->Disconnect..)
      2. Then have one student delete the project from SVN entirely (Yes delete meta data).
      3. Make a local backup of both students' source code.
      4. Then delete both projects locally (Delete meta data locally and on SVN).
      5. Have one student download / import the project fresh and paste their source code into it.
      6. Have the student from 5 share their project with the repository, and the other teammate(s) check it out.
      7. This should work, as all the project files are fresh. If this doesn't work, I have no advice.

- b. If the student's files have a blue square-ish icon in the corner, the local file's meta data is different from the repo's meta data.
  - i. IF the student has NOT made local changes since their last update
    1. Go to the SVN perspective. Try to right-click the offending project and click Team->Override and Update. If override and update is not present, go to 2.b.ii.
  - ii. IF the student has made local changes or Override and Update could not be found
    1. Select the offending file in the Package Manager and right click. Click Team->Mark files as Merged / Conflicts resolved (I don't remember the flavor text).
    2. Click through the text box that appears to mark all conflicts as resolved.
    3. The student should now be able to commit changes as normal, and the icon beside the student's files should be the yellow cylinder.
- c. IF the student's files have a red, double-sided arrow icon, the files are actually in conflict (This is working as intended).
  - i. Direct the student to compare their local file with the repo copy and make changes to resolve the conflict, then commit as normal.