

Using Subversion to manage team projects

You learned how to use Subversion for personal projects in lab. Subversion's real talents lie in managing team projects. I will create a project directory for you to begin each project.

To begin, confer with your team partners and choose a team name. Let's say you are on team *YourTeam* for project 1. You will be starting with an empty directory named *YourTeam* on the Subversion server.

1 See your project on the web

You can see your project on the web. This is useful in case you forget your project name or team name.

<http://svn.eg.bucknell.edu/csci204/f08/p1>

Click on your team name to see if you have any project files yet.

- If you see only .., then go to **Beginning a project**.
- If you see a project directory, click on it.
 - If you see only .., then the person who began the project forgot to do a commit.
 - If you see *.classpath*, *.project*, and *src* folders, you can skip **Beginning a project** and go to **Checking out a project**.

2 Beginning a project

Only one person on your team should do this step, once.

1. Open Eclipse and start a new Java project.
2. Then click on your project (once to highlight it). Make a new Java Class in this project
3. Associate this project with the svn location

<http://svn.eg.bucknell.edu/csci204/f08/p1/YourTeam> (using your team name)

- (a) Right click on your project and select *Team* → *Share Project...* → *SVN* → *next*
 - (b) Select *Create a new repository* → *next*
 - (c) Enter *<http://svn.eg.bucknell.edu/csci204/f08/p1/YourTeam>* (using your team name)
 - (d) If asked additional questions (that are not error messages) say yes. If asked for a comment, use initial import.
4. Commit your Java Class *Team* → *Share Project...* → *Commit...*

3 Checking out a project

Everyone but the project beginner on the team does this part. If you work on the project on your dorm computer and in the labs, you may do this once for each location.

1. Do *not* create a new Java project.
2. Using the steps in **See your project on the web**, look at your project and make sure it is ready to check out.
3. Select *File* → *Import* → *SVN* → *Check out projects from SVN*.
4. Create a new repository location for *http://svn.eg.bucknell.edu/csci204/ff08/p1/YourTeam* (using your team name)
5. You should now see the *Select Folder* window. Click on the line with your project name (not your team name) and hit *finish*.
6. If it works, it will not ask you further questions and your project will appear.

4 Sharing files

Don't forget to commit and update your project periodically so your teammates can see your work. SVN is happier if only one person works on a given file at a time but it should have some file merging abilities.