

Software Methods and Tools

Fall 2015

Assignment 8

Due on 11:59PM, Monday, December 7, 2015

1. Create a new repository, and create a project named “Tetris” at the root of your repository. Then create the following folders under “Tetris”: “trunk”, “branches”, and “tags”. Submit a screenshot that shows the content the “Tetris” folder.
2. Download the source code from <https://github.com/PSNB92/Tetris>. Put the unzipped source code (i.e. *.java) of the Tetris application into the “trunk” folder of the repository. Keep the original file structure (i.e. org.psnbtech.*). Submit another screenshot that shows the content of the source code folder in the repository.
3. Create three working copies of the Tetris application. You can do this by checking out the project “Tetris/trunk” into three different folders, one for each developer (e.g. Tom, Susan, and John). The folders you created should be named as TetrisTom, TetrisSusan, and TetrisJohn.
4. Simulate the following events by performing the corresponding operations. After each event: (1) check the revision number of the Tetris.java file in the repository and in each working copy, and fill in the table below; (2) describe what problems (i.e. conflicts) you had in each event, and how you resolved them. (3) submit a screenshot showing the revision numbers of the Java files in Susan’s working copy.
 - a. EVENT #1: John made some changes to Tetris.java: (1) added a comment “//ignore” at the end of Line 26, and a comment “//test” at the end of Line 31. Then John committed his changes to the repository.
 - b. EVENT #2: Susan synchronized her working copy with the repository.

- c. EVENT #3: Tom made a change to Tetris.java: added a comment “// package missing.” at the end of line 26. Tom resolved the conflicts, and committed his change to the repository.
- d. EVENT #4: Tom changed the file, Clock.java (e.g. removed the second line of code). He then committed his change to the repository.
- e. EVENT #5: Tom synchronized his working copy with the repository.
- f. EVENT #6: Susan and John both synchronized their working copies with the repository.

You final submission should be a pdf document that includes all the required screenshots, descriptions, and tables described above.

Event	Repository	Tom	Susan	John
1				
Description				

Screenshot:

Event	Repository	Tom	Susan	John
2				
Description				

Screenshot:

Event	Repository	Tom	Susan	John
3				
Description				

Screenshot:

Event	Repository	Tom	Susan	John
4				
Description				

Screenshot:

Event	Repository	Tom	Susan	John
5				
Description				

Screenshot:

Event	Repository	Tom	Susan	John
6				
Description				

Screenshot: