Software Methods and Tools

Fall 2016

Assignment 7

Due on 11:59PM, Monday, December 5, 2016

1. Create a new repository, and create a project named "Asteroids" at the root of your repository. Then create the following folders under "Asteroids": "trunk", "branches", and "tags". Submit a screenshot that shows the content the "Asteroids" folder.

2. Download the source code from https://github.com/PSNB92/Asteroids. Put the unzipped source code (i.e. *.java) of the Asteroids 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 Asteroids application. You can do this by checking out the project "Asteroids/trunk" into three different folders, one for each developer (e.g. Bill, Mary, and Ben). The folders you created should be named as AsteroidsBill, AsteroidsMary, and AsteroidsBen.

4. Simulate the following events by performing the corresponding operations. After each event: (1) check the revision number of the Asteroids.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 Mary's working copy.

   a. EVENT #1: Ben made some changes to Asteroids.java: (1) added a comment "//igore" at the end of Line 25, and a comment "//test" at the end of Line 30. Then Ben committed his changes to the repository.

   b. EVENT #2: Mary synchronized her working copy with the repository.

c. EVENT #3: Bill made a change to Asteroids.java: added a comment "//package missing." at the end of line 25. Bill resolved the conflicts, and committed his change to the repository.

d. EVENT #4: Bill changed the file, Clock.java (e.g. removed the fifth line of code). He then committed his change to the repository.

e. EVENT #5: Ben synchronized his working copy with the repository.

f. EVENT #6: Mary and Bill 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	Bill	Mary	Ben
1				
Description				

Screenshot:

Event	Repository	Bill	Mary	Ben
2				
Description				

Screenshot:

Event	Repository	Bill	Mary	Ben
3				
Description				

Screenshot:

Event	Repository	Bill	Mary	Ben
4				
Description				

Screenshot:

Event	Repository	Bill	Mary	Ben
5				
Description				

Screenshot:

Event	Repository	Bill	Mary	Ben
6				
Description				

Screenshot: