Overview:

In this project we are going to create a basic source manager and use the visualization tools available to keep track of the changes

Lab Activities:

1. Create a project
2. Connect to the project
3. Visualize the files
4. Visualize the changes

Tools

- Google Code Project Hosting - http://code.google.com/ for developers
- SVN Time-Lapse View - http://code.google.com/p/svn-time-lapse-view/

Project Management Tools

- Mantis Bug tracker - http://www.mantisbt.org/
- dotProject - http://www.dotproject.net/

Activity 1: Create a project (Google Code)

1. Open the Google Code website http://code.google.com/ and login with your Gmail account
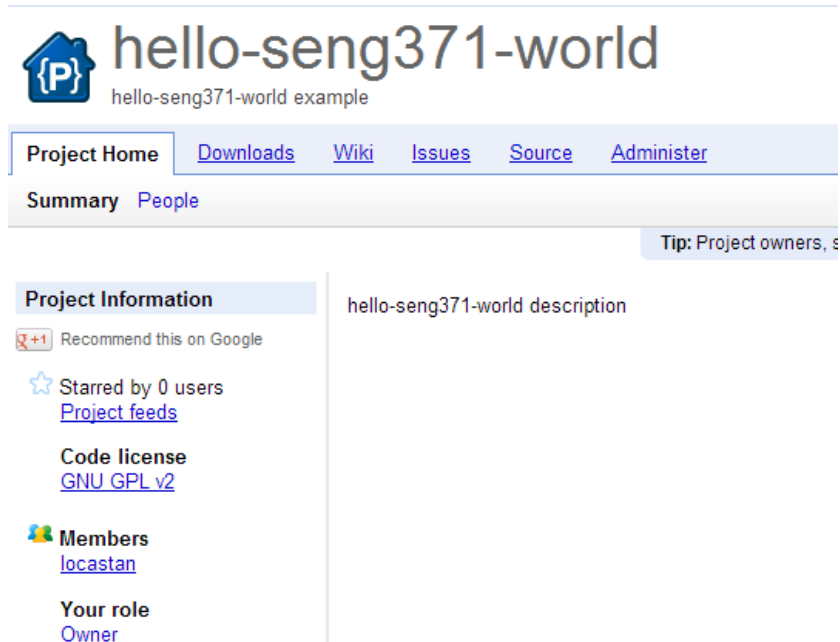2. Go to the Project hosting part of the webpage and "create an new project"

3. Complete the information required. And choose a type of version manager. In this case we are going to use Subversion
4. Understand the tabs in you project management website

a. Source > Browse, Changes and Checkout

Activity 2: Connect to a project

1. Decompress the temp.zip file you downloaded with this project. The project is already connected to my Google code project in http://code.google.com/p/hello-seng371-world/ the URL to connect in found in the *Source > Checkout* tabs.
2. Use Tortoise to commit the changes in the temp file (If you don't have installed Tortoise SVN, go to the http://tortoisesvn.net/ and download the version suitable for you. SENG labs have it already installed)
3. In the temp folder, click right and "SNV Update" to get the latest files
4. Modify any file and then click right "SVN commit" to upload the changes. Use user: locastan@gmail.com and password: **eG2Gn6XF9mk4**, that information is given by my project source manager. Remember we are all using the same user and password, so update before commit in order to avoid conflicts

EXTENDED

If you created you own project and have problems using a SVN Client, just go to *Source > Browse* and upload a file in your hosting. Make as many changes and upload it again.

Activity 3: Visualize de files

1. Using Google Project Hosting

Activity 4: Visualize the changes

Using Google Project Hosting

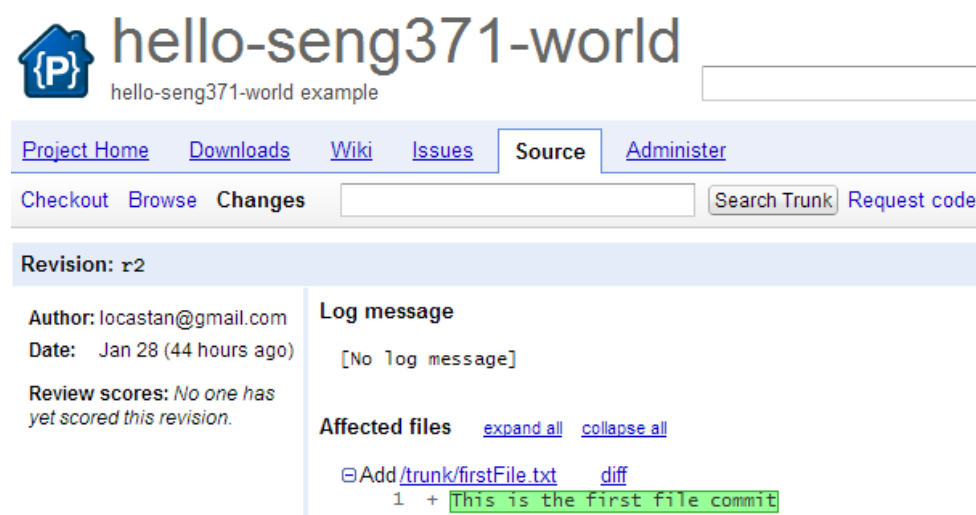Go go *Source > Changes* to visualize the revisions (commits) of the project

Open a revision to see the changes in the file

In this case we are opening revision No. 2 and the only file changed was *firstFile.txt* we can visualize that just one line changed.

EXTENDED
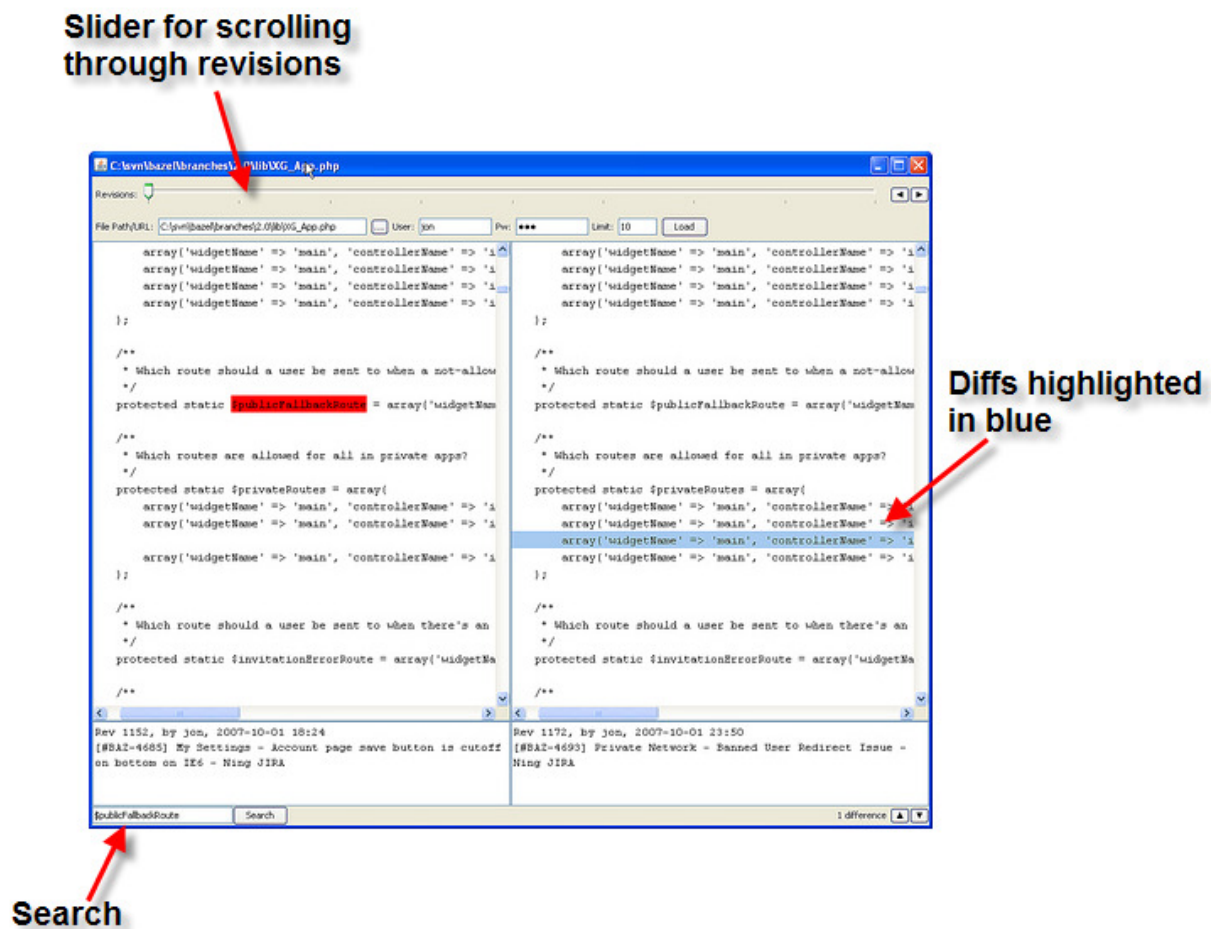Browse other projects hosted in google Code to find changes

Using SVN time-lapse view
Download the project from http://code.google.com/p/svn-time-lapse-view/ is an executable Java program.

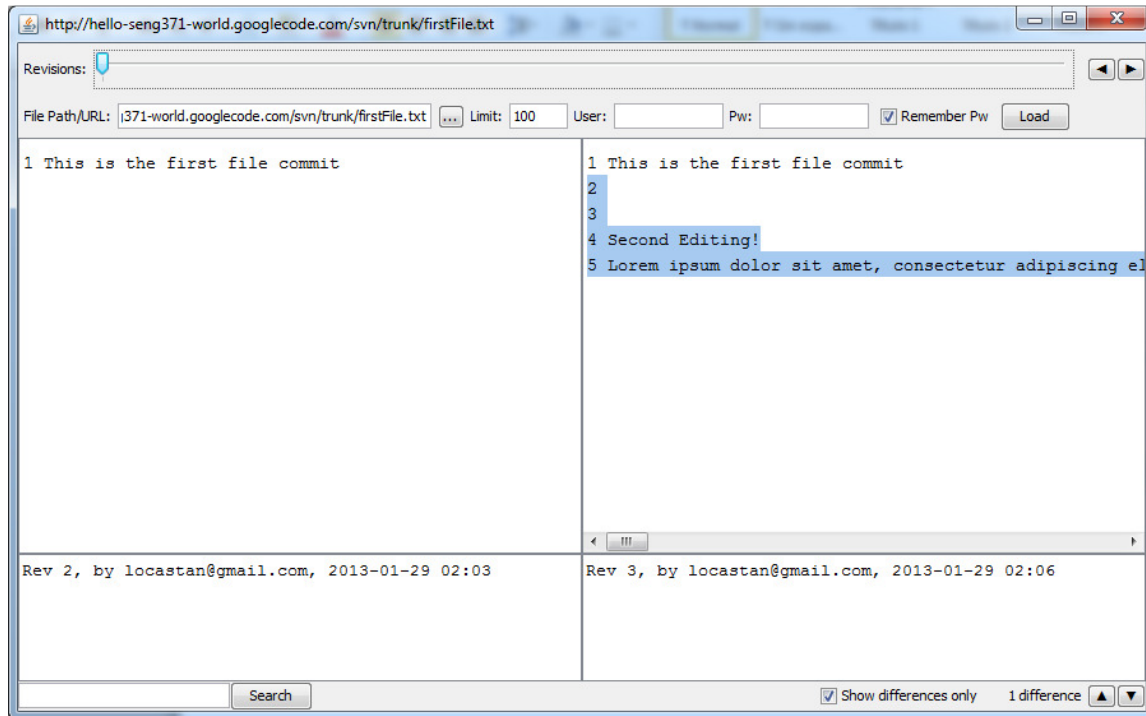Check the information about the program in the website of the project to understand the parts of the GUI.

(Image taken from the project website)

Use the *svn time-lapse view* to browse the history of the files in the SENG371 project. Connect using the https://hello-seng371-world.googlecode.com/svn/trunk/ URL.
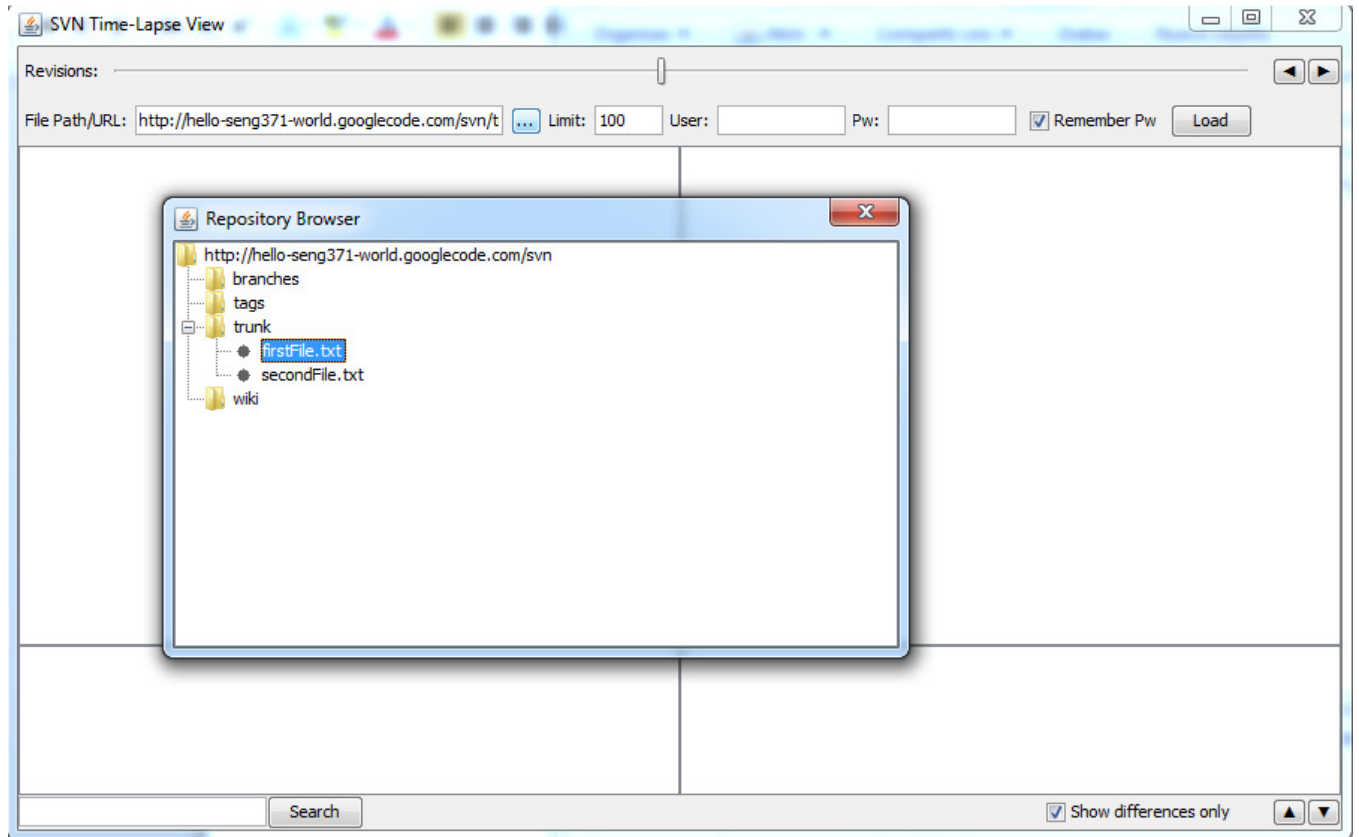
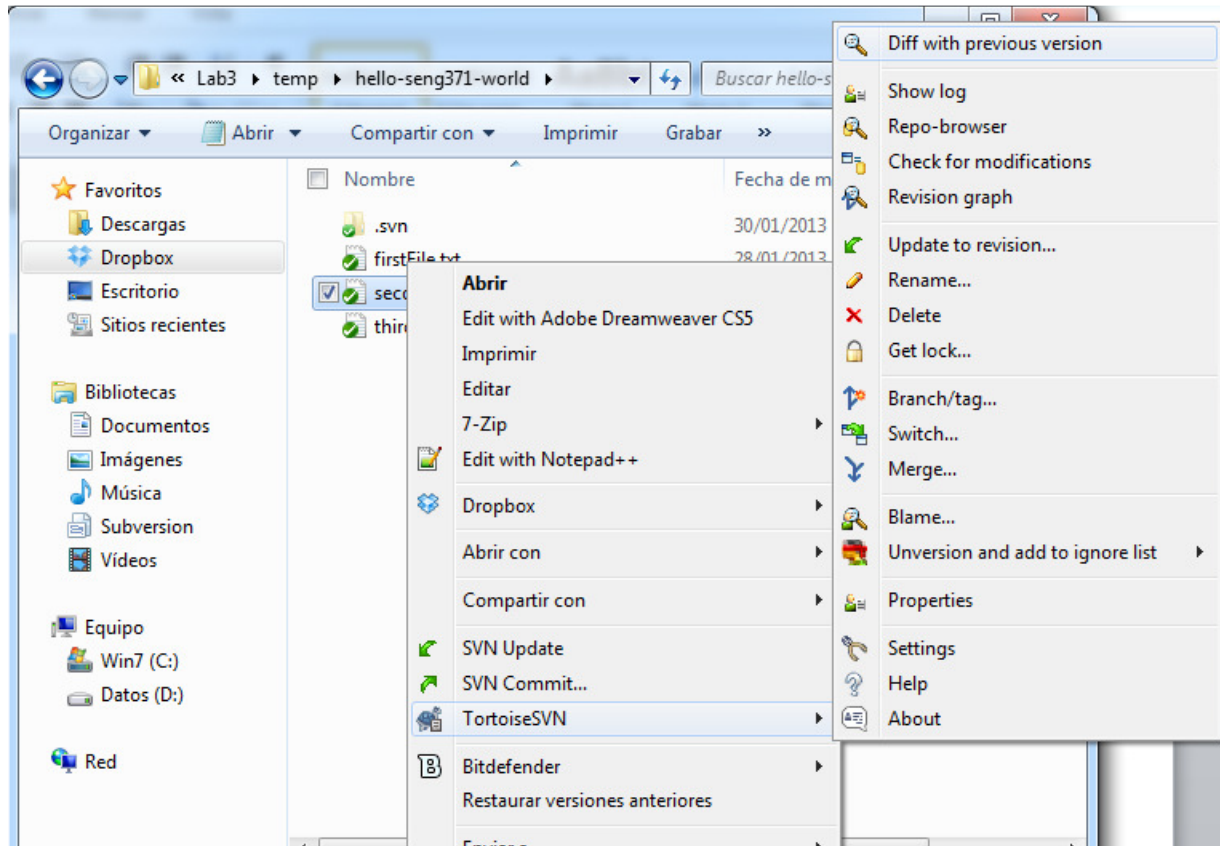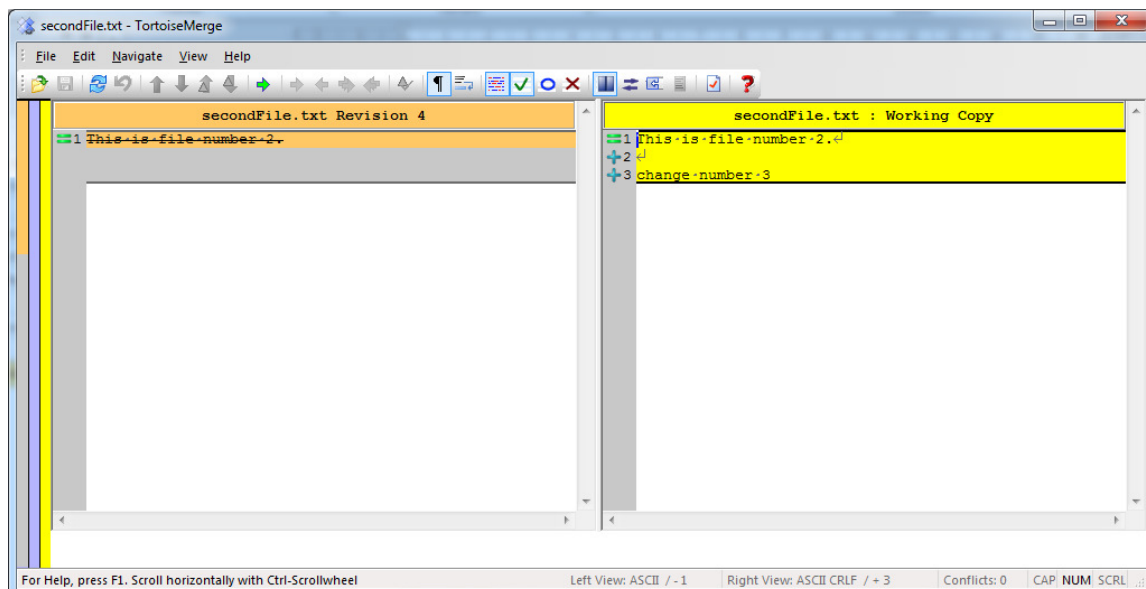Browse the files and time-lapse the revisions to see the changes.

EXTENDED

1. Connect to any project in Google Code and browse the changes.

Using TortoiseSVN

Go to the file you want to visualize and right click *TortoiseSVN>Diff with previous version*

Then, the application will display the file with current version versus the previous revision in the source manager

EXTENDED

1. Connect to any project in Google Code and browse the changes.