Object-Oriented Programming 2

Rolf Haenni & Annett Laube

Project

1. Git Installation

Make sure Git is installed on your machine. If not, download it from https://git-scm.com and install the software.

2. EGit Installation in Eclipse

Make sure the EGit plug-in is installed in Eclipse. To see this, select Help » Installation Details » Features. If not, select Help » Install New Software and type

`http://download.eclipse.org/egit/updates`

into the field called `Work with`. Click on Select All and then on Next. Follow the instructions. At the end of the process, you must enter your full name and email address. This information is used to fill the author and committer information of commits you create.

3. Installation of GitHub Desktop (optional)

You may want to install the GitHub Desktop application from https://desktop.github.com to have a separate tool for managing your GutHub repositories.

4. Cloning the GitHub Repository

Select Window » Show View » Other » Git » Git Repositories. A new view will open up somewhere in your workspace. Select in the view's menu Clone a Repository. Enter the path of your repository as indicated on the GitHub web page:

`https://github.com/BTI7055-ObjectOrientedProgramming/FS16-Project-XX.git`.

Select the master branch an enter your GitHub user name and password. Chose a location on your local disk to store the repository (not inside the Eclipse workspace) and click Finish.

5. Moving Existing Code to the GitHub Repository

Assume that you have already a Java project in your workspace that you want to transfer to the Git/GitHub repository. In the context menu of the project, select Team > Share Project. Select the repository and click on Finish. Eclipse will now move all project files to the repository directory.

Then you need to commit them to the repository and push them to the GitHub server. For this select Team > Commit in the project's context menu. Select all files and enter a commit message. Click on Commit and Push or Commit (and select Team > Push separately).

6. Setting Up a GitHub Java Project on Another Machine

You can clone the repository as explained above or do everything in one step. In both cases, select File > Import > Git > Projects from Git. If you have cloned the repository before, select Existing local repository, otherwise select Clone URI. Follow the instructions.

7. Simultaneous Collaboration

If you work with a partner, make sure to get the latest changes before starting a new development session. For this, select Team > Pull in the project's context menu. After finishing you session, commit your changes to your local repository and push them to the GitHub server.