Set Up Environment Instructions

1. **Git**

   Note: it's important to setup git on your computer to be easy to track the changes and sync with github.it allows you to git the latest update from github and put your changes in github.

2. **Java**

   Note: important for the project and IDE

3. **XAMPP**

   Note: installation of PHP and MySQL DB

4. **NetBeans IDE**

   Note:
   - I will work with NetBeans IDE.
   - it supports Java, HTML, CSS, PHP, Java Script.
   - you can use your own editor, but it's your responsibility to integrate it with Git and configure it with web server and DB.

5. **Tomcat Server**

6. **Oracle DB**

Git Installation (Command Line):

1. Download Git Source file from:
   https://git-scm.com/
2. Open Git bash
3. Configure your user name, email address and default Git editor.
   a. git config --global user.name "Your Name".
   b. git config --global user.email "your@email".
   c. git config --global core.editor "'C:/Program Files/Notepad++/notepad++.exe' -multiInst -notabbar -nosession -noPlugin".
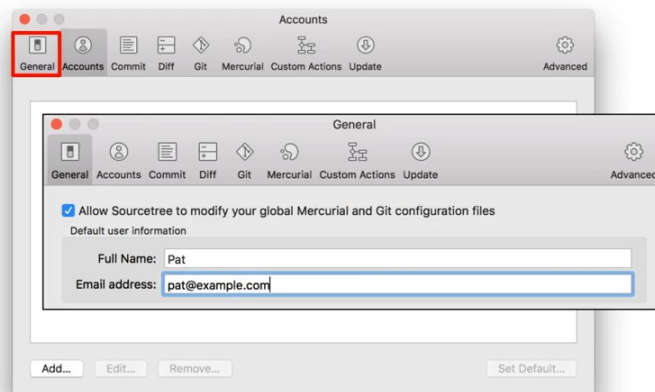
Git Installation (GUI):

1. Download SourceTree Source file from:
   https://www.sourcetreeapp.com/
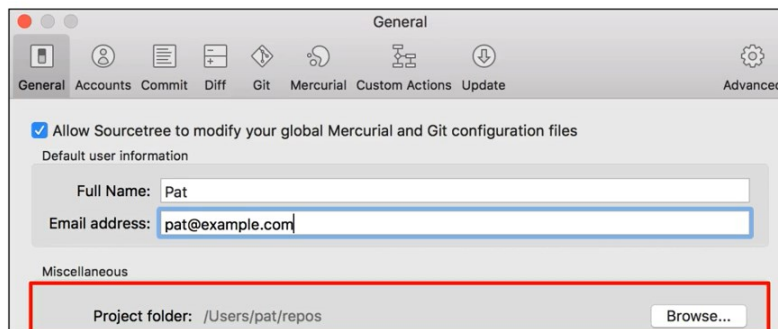
CONFIGURING SOURCETREE

6
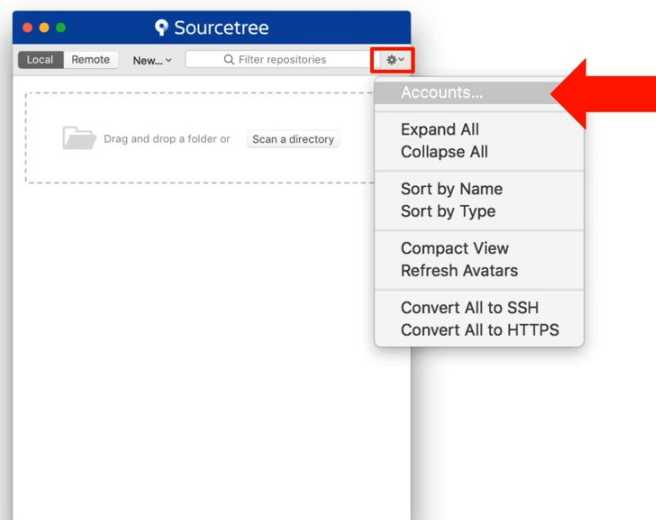
CONFIGURING SOURCETREE- USER INFORMATION

CONFIGURING SOURCETREE- LOCAL REPOSITORY LOCATION

Suggestion: create a `/repos` folder in your user folder

JAVA Installation:

1. Download Java JDK version **Java SE 8u191 / Java SE 8u192** from:
   https://www.oracle.com/technetwork/java/javase/downloads/index.html
2. Setup it.
3. Update the PATH Environment Variable as follow:
   a. Click Start, then Control Panel, then System.
   b. Click Advanced, then Environment Variables.
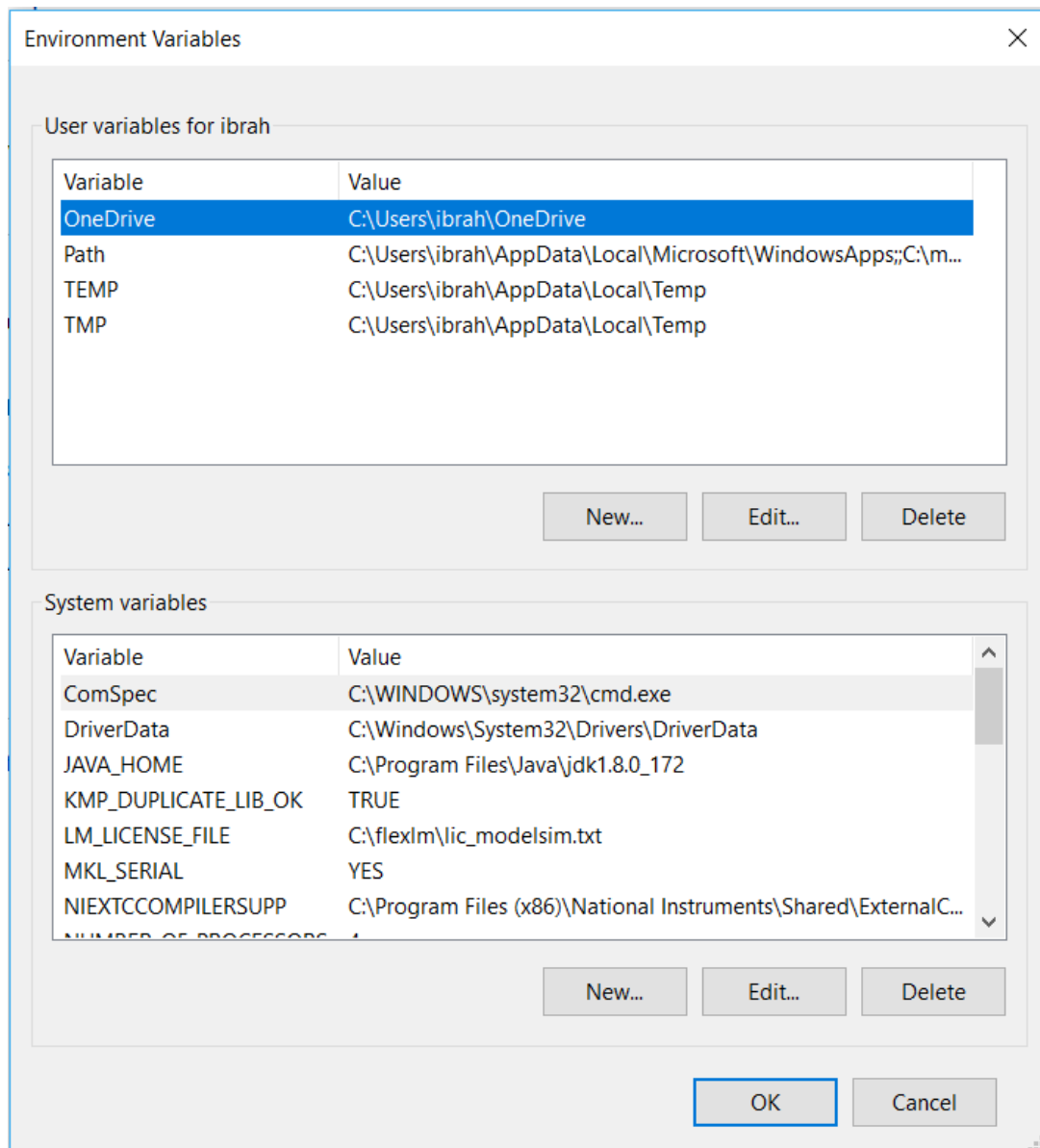
c. Search in system variables for PATH and edit it.
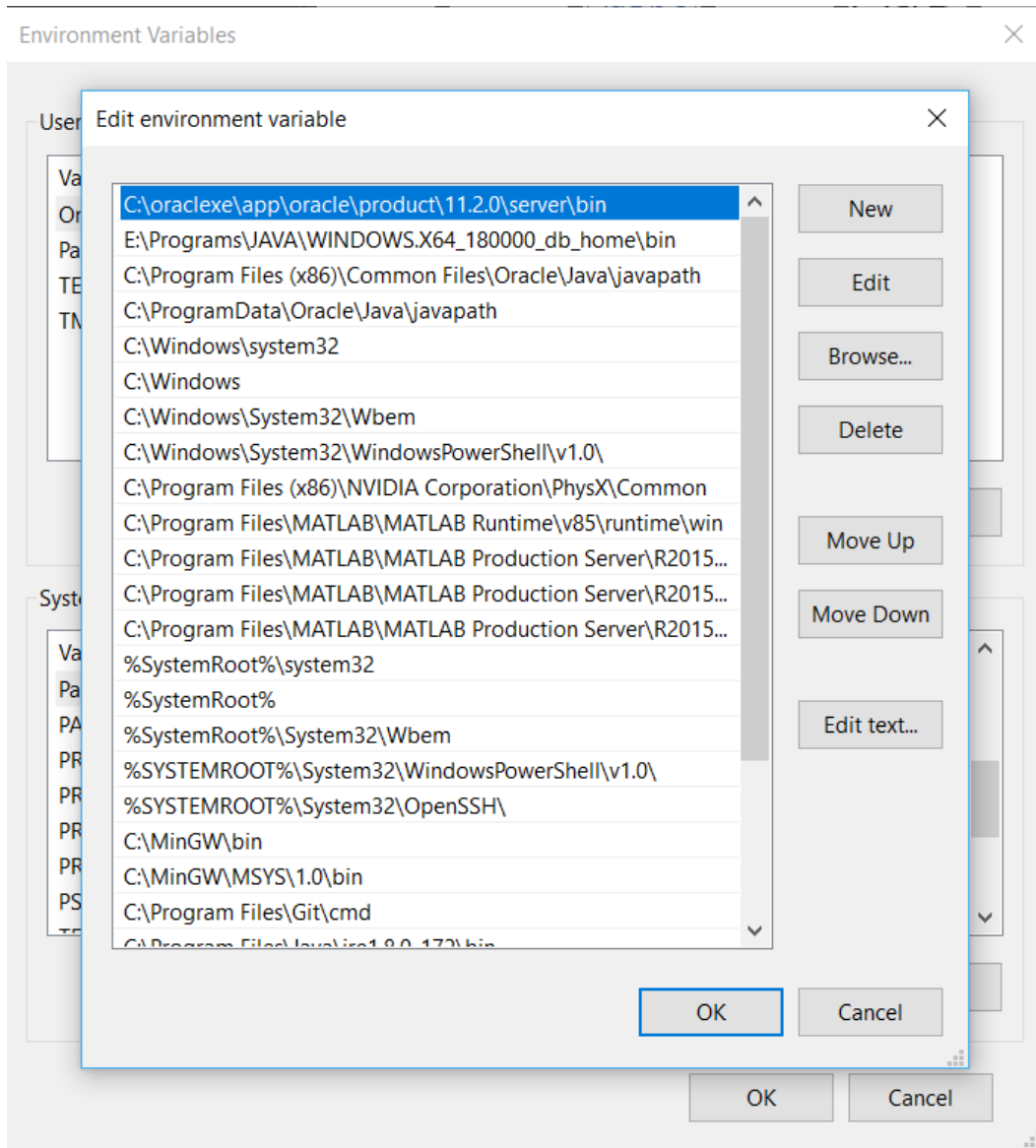
d. Click New, and add
    C:\Program Files\Java\jre1.8.0_172\bin
    Note: change the path if your setup in a different location.
e. Then OK
f.   In system variables click new
g. Variable Name: JAVA_HOME
h. Variable value: C:\Program Files\Java\jdk1.8.0_172
4. Download Java EE version 8 from:
    https://www.oracle.com/technetwork/java/javaee/downloads/index.html
5. Setup it.

XAMPP Installation:

1. Download Source file form:
    https://www.apachefriends.org/index.html
2. Setup it.

Note: its preferred to setup it in location other c:\

NetBeans IDE Installation:

1. Download Source File (Download package All) from:
    https://netbeans.org/downloads/
2. Install it.

Note: Don't install any web servers.
When start installation select custom and uncheck Tomcat server and Glassfish Server.

Tomcat Server Installation:

1. Download Source file from:
    https://tomcat.apache.org/download-90.cgi
    Note: file name: 32-bit/64-bit Windows Service Installer
2. Install it
3. Give the system write permission, open install directory
4. Right click on installed file, then properties
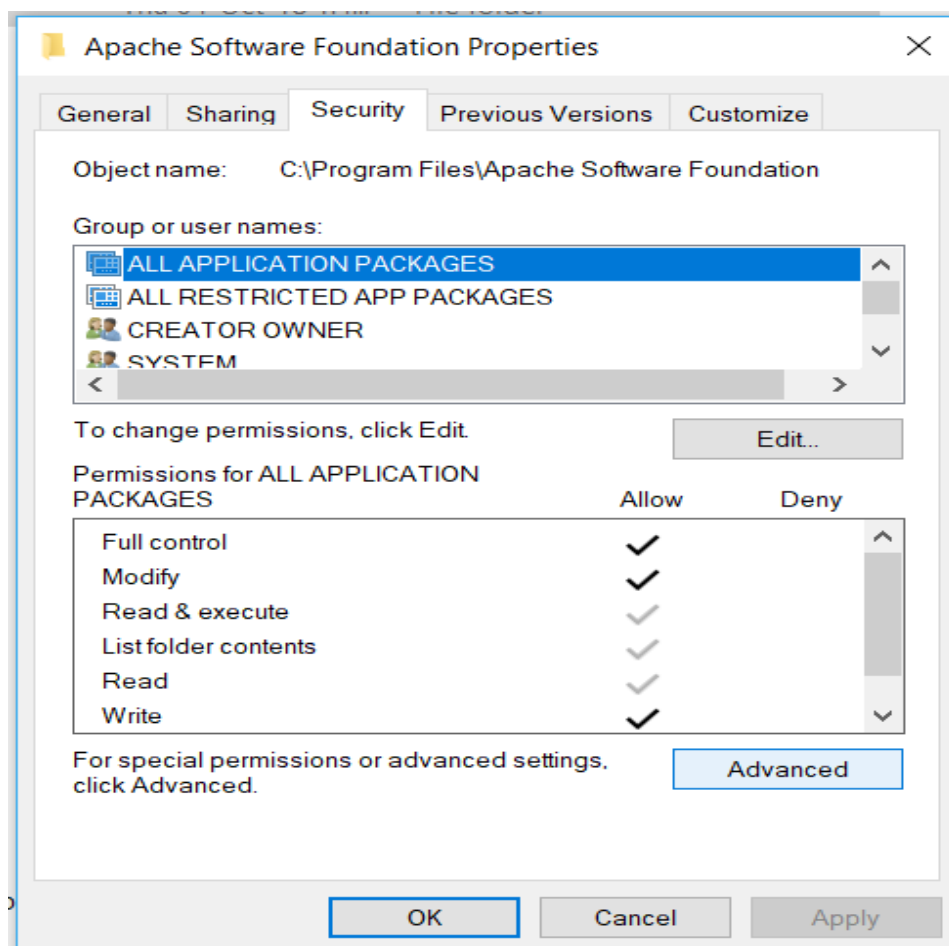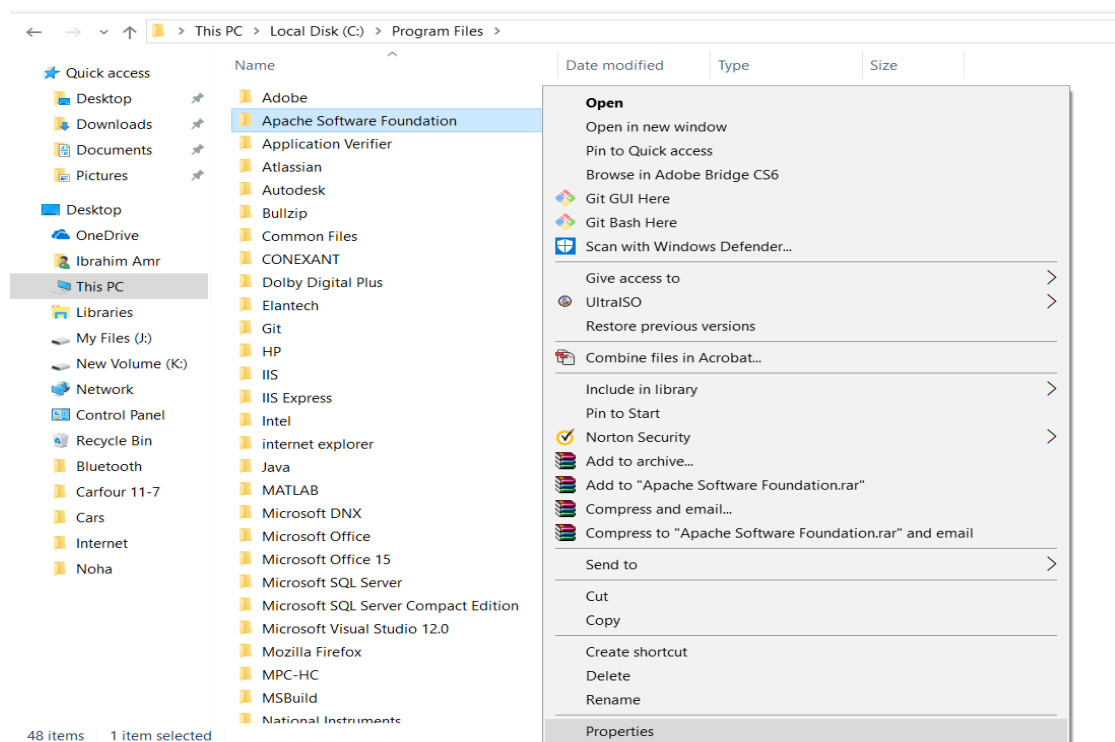
5. Then Advanced, give full control.
6. Then Apply.
7. We will integrate it with NetBeans later.

Oracle DB Installation:

1. Download the file source (Oracle XE) from:
   https://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html
2. Install it.
3. We will integrate it with NetBeans later.