



ECSE 321 Tutorial 1

Installing necessary software



Today's plan

- Installing Eclipse
- Installing Git
- Configuring Eclipse
 - Umple plugin
 - Php Plugin
 - Swing Plugin

Your TA this Semester

Shabbir Hussain

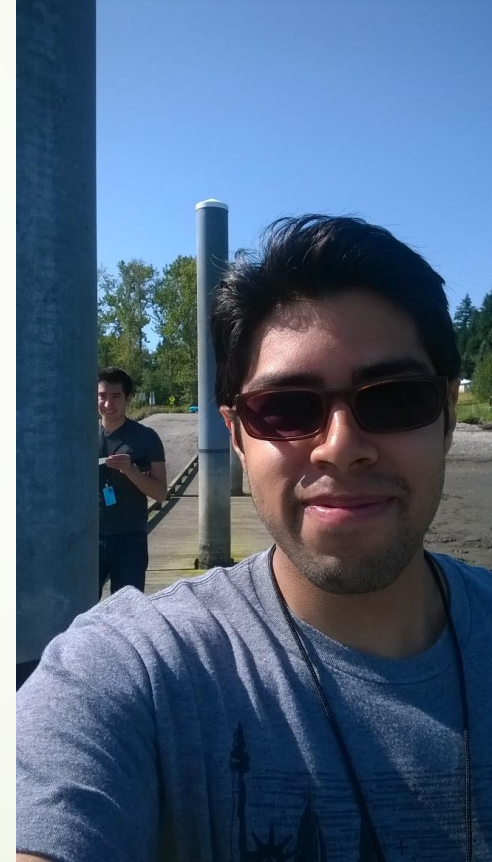
Graduated EE @ McGill Winter 2015

1st yr Masters in Comp Eng

TAed this course three times before

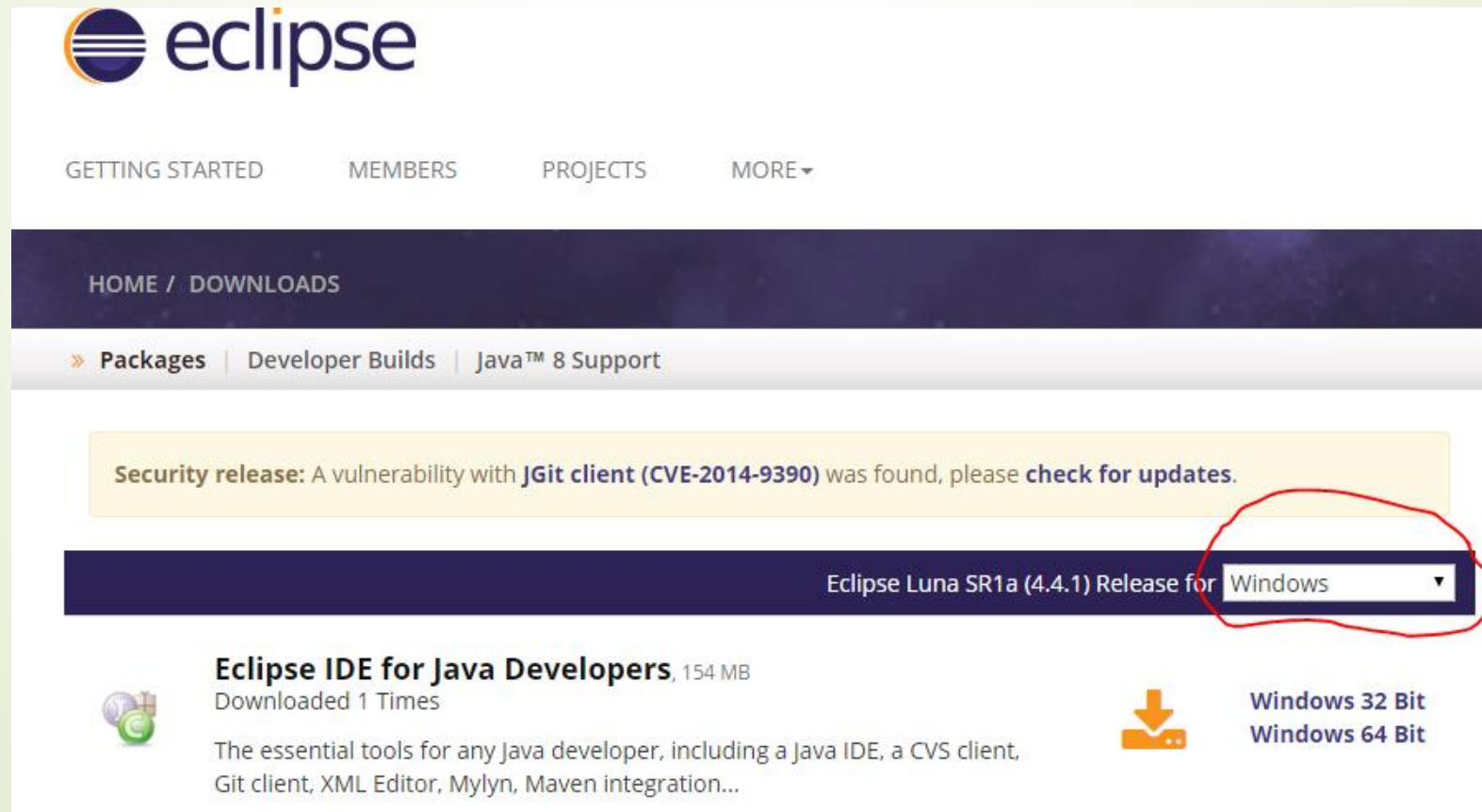
Contact:

- Shabbir.hussain@mail.mcgill.ca
- <https://github.com/shabbir-hussain/>
- MyCourses



Download Eclipse

➡ <https://eclipse.org/downloads/>



The screenshot shows the Eclipse Downloads page. At the top is the Eclipse logo and a navigation bar with links: GETTING STARTED, MEMBERS, PROJECTS, and MORE. Below this is a breadcrumb trail: HOME / DOWNLOADS. A secondary navigation bar contains links: Packages, Developer Builds, and Java™ 8 Support. A yellow warning box states: "Security release: A vulnerability with JGit client (CVE-2014-9390) was found, please check for updates." Below the warning is a dark blue bar with the text "Eclipse Luna SR1a (4.4.1) Release for" followed by a dropdown menu currently set to "Windows". This dropdown is circled in red. At the bottom, there is a section for "Eclipse IDE for Java Developers" (154 MB) with a download icon and a list of features: "The essential tools for any Java developer, including a Java IDE, a CVS client, Git client, XML Editor, Mylyn, Maven integration...". To the right of this section, the text "Windows 32 Bit" and "Windows 64 Bit" is displayed.

eclipse


GETTING STARTED MEMBERS PROJECTS MORE ▾

HOME / DOWNLOADS


» Packages | Developer Builds | Java™ 8 Support

Security release: A vulnerability with **JGit client (CVE-2014-9390)** was found, please **check for updates**.

Eclipse Luna SR1a (4.4.1) Release for **Windows** ▾

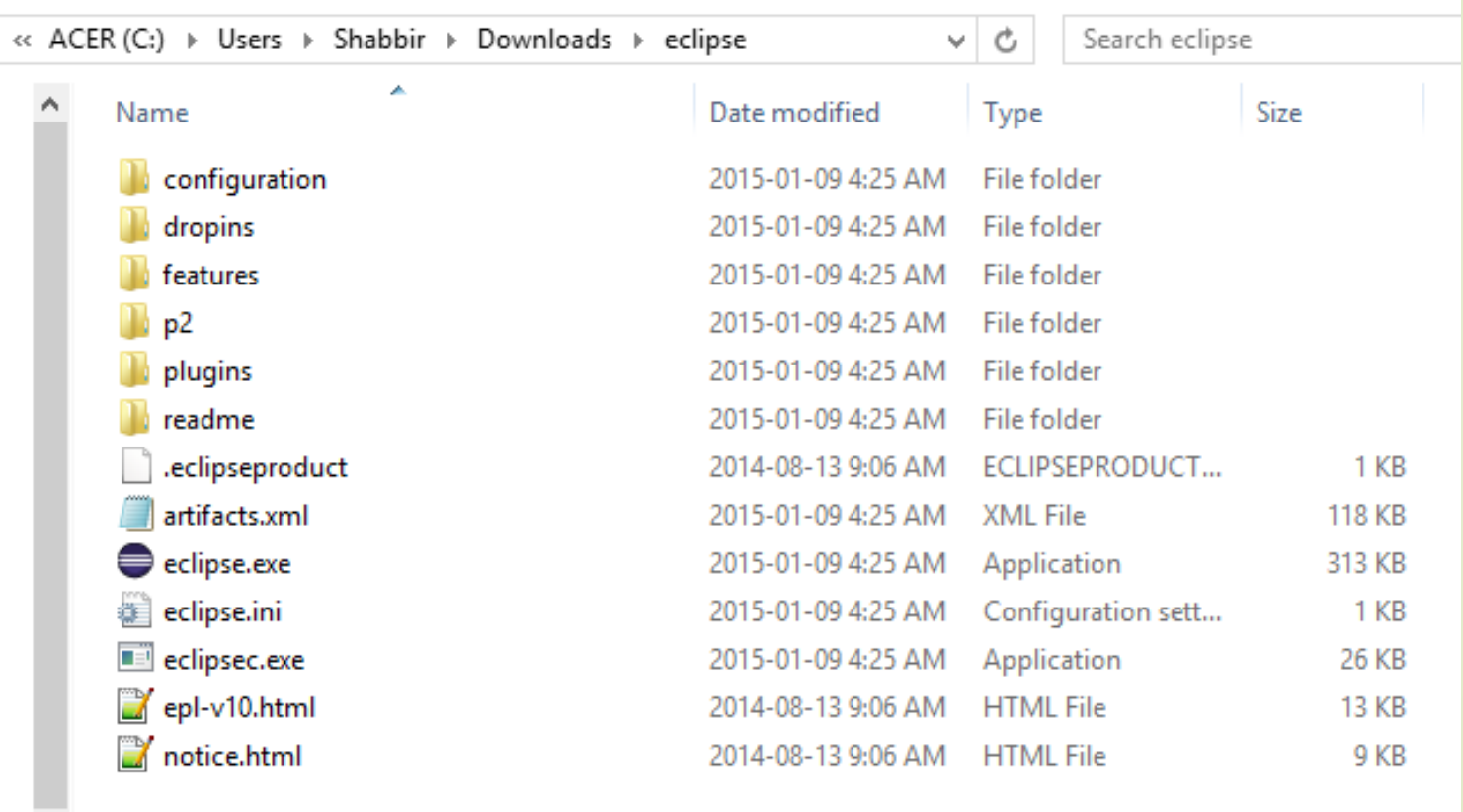
 **Eclipse IDE for Java Developers**, 154 MB
Downloaded 1 Times

The essential tools for any Java developer, including a Java IDE, a CVS client, Git client, XML Editor, Mylyn, Maven integration...

 **Windows 32 Bit**
Windows 64 Bit

Installing Eclipse

- **Extract** Zip
- **Start** Using



File Explorer window showing the contents of the 'eclipse' folder in the Downloads directory. The path is: < ACER (C:) > Users > Shabbir > Downloads > eclipse.

Name	Date modified	Type	Size
configuration	2015-01-09 4:25 AM	File folder	
dropins	2015-01-09 4:25 AM	File folder	
features	2015-01-09 4:25 AM	File folder	
p2	2015-01-09 4:25 AM	File folder	
plugins	2015-01-09 4:25 AM	File folder	
readme	2015-01-09 4:25 AM	File folder	
.eclipseproduct	2014-08-13 9:06 AM	ECLIPSEPRODUCT...	1 KB
artifacts.xml	2015-01-09 4:25 AM	XML File	118 KB
eclipse.exe	2015-01-09 4:25 AM	Application	313 KB
eclipse.ini	2015-01-09 4:25 AM	Configuration sett...	1 KB
eclipsesec.exe	2015-01-09 4:25 AM	Application	26 KB
epl-v10.html	2014-08-13 9:06 AM	HTML File	13 KB
notice.html	2014-08-13 9:06 AM	HTML File	9 KB

Lets get git



<http://git-scm.com/download/win>



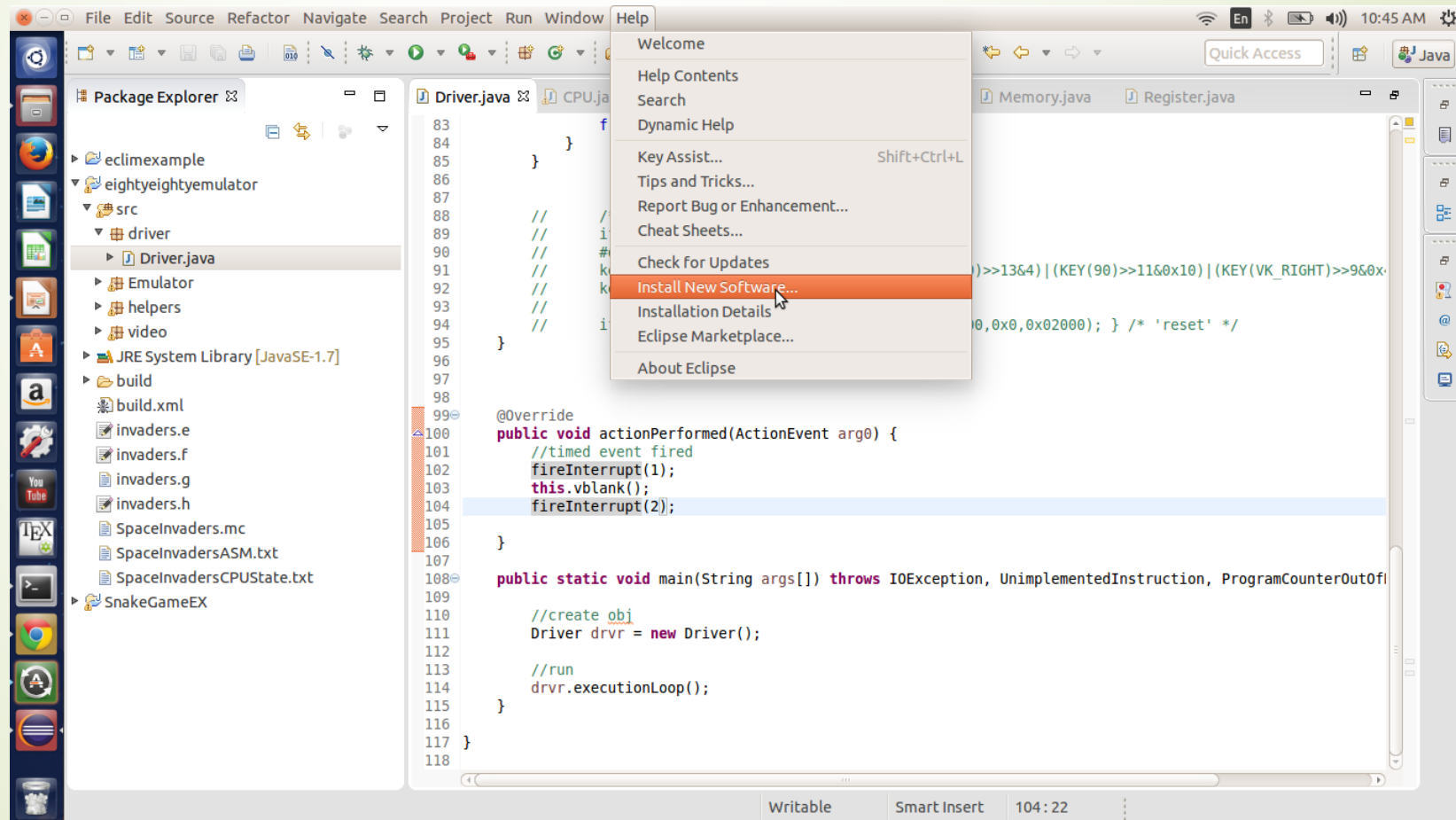
<http://git-scm.com/download/mac>



```
sudo apt-get  
install git
```


Install Swing Plugin

Help -> Install New Software





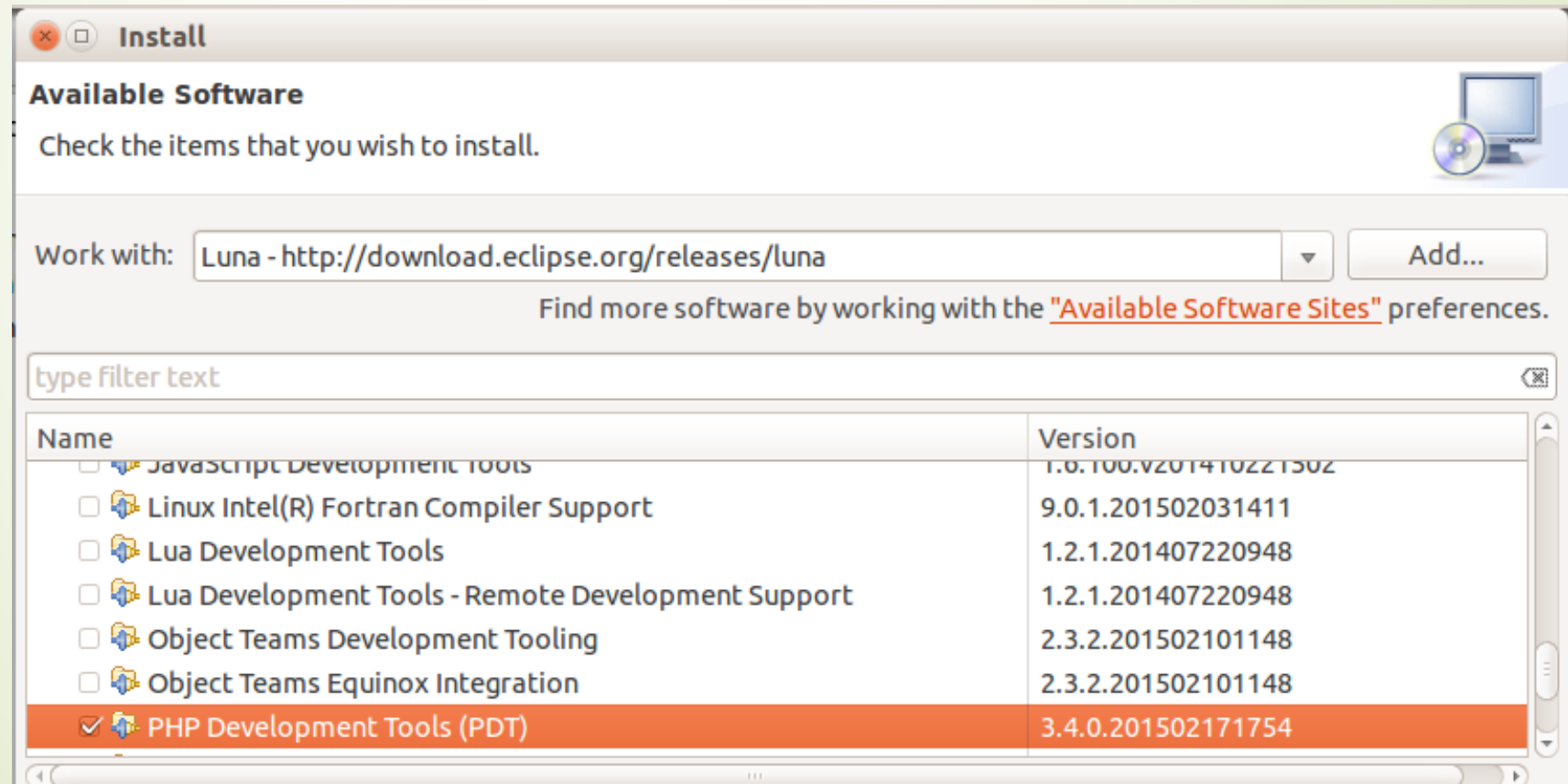
Install Swing Plugin

Select the following:

Swing Designer 1.7.0.r44x201405021531
Swing Designer Documentation 1.7.0.r44x201405030444
SWT Designer 1.7.0.r44x201405021526
SWT Designer Core 1.7.0.r44x201405021519
SWT Designer Documentation 1.7.0.r44x201405030426
SWT Designer SWT_AWT Support 1.7.0.r44x201405021546
SWT Designer XWT Support (requires Eclipse WTP/WST)
1.7.0.r44x201405021548
TCF Terminal (Console) View 1.2.0.201406042322
WindowBuilder Core 1.7.0.r44x201405021445
WindowBuilder Core Documentation 1.7.0.r44x201405021506
WindowBuilder Core UI 1.7.0.r44x201405021455
WindowBuilder GroupLayout Support 1.7.0.r44x201405021517
WindowBuilder Java Core 1.7.0.r44x201405021448
WindowBuilder XML Core (requires Eclipse WTP/WST)
1.7.0.r44x201405021458

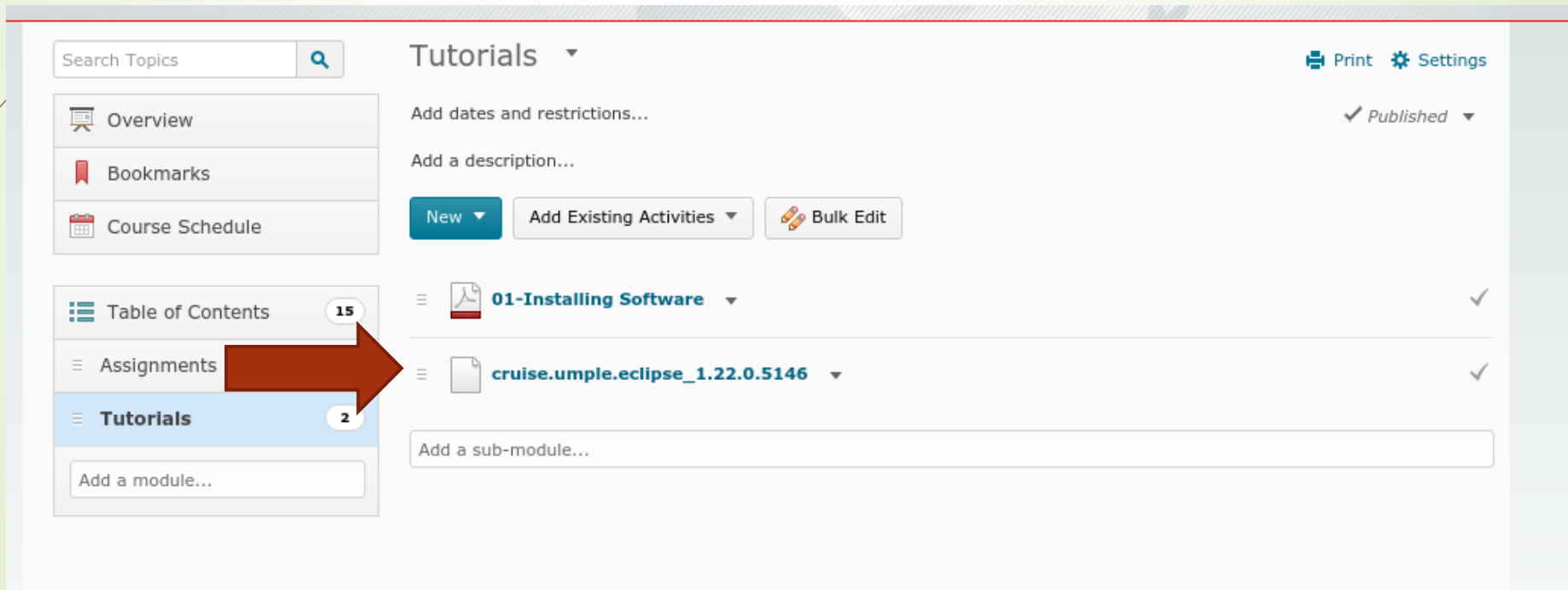
Install PHP Plugin

Select PHP Development Tools
Hit next -> Accept all agreements -> restart Eclipse



Install Umple Plugin

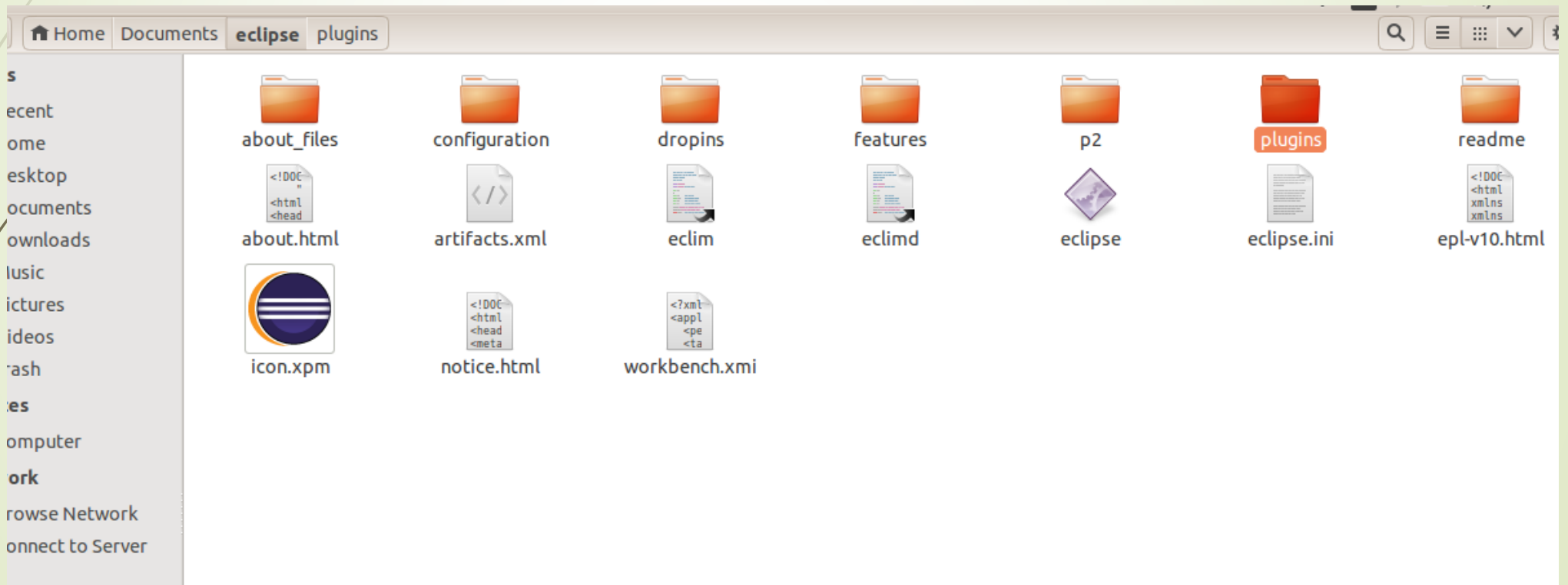
Download cruise.umple.jar from Mycourses>ECSE321>Tutorials



The screenshot displays a web interface for a course management system. On the left, a sidebar contains navigation links: Overview, Bookmarks, Course Schedule, Table of Contents (15), Assignments, and Tutorials (2). The 'Tutorials' link is highlighted, and a red arrow points from it to the main content area. The main content area is titled 'Tutorials' and includes a search bar, a 'Print' button, and a 'Settings' button. Below the title, there are options to 'Add dates and restrictions...', 'Add a description...', and buttons for 'New', 'Add Existing Activities', and 'Bulk Edit'. The main content area lists two tutorials: '01-Installing Software' and 'cruise.umple.eclipse_1.22.0.5146'. The second tutorial is highlighted, and a red arrow points from the 'Tutorials' link in the sidebar to it. Below the list, there is a text input field labeled 'Add a sub-module...'.

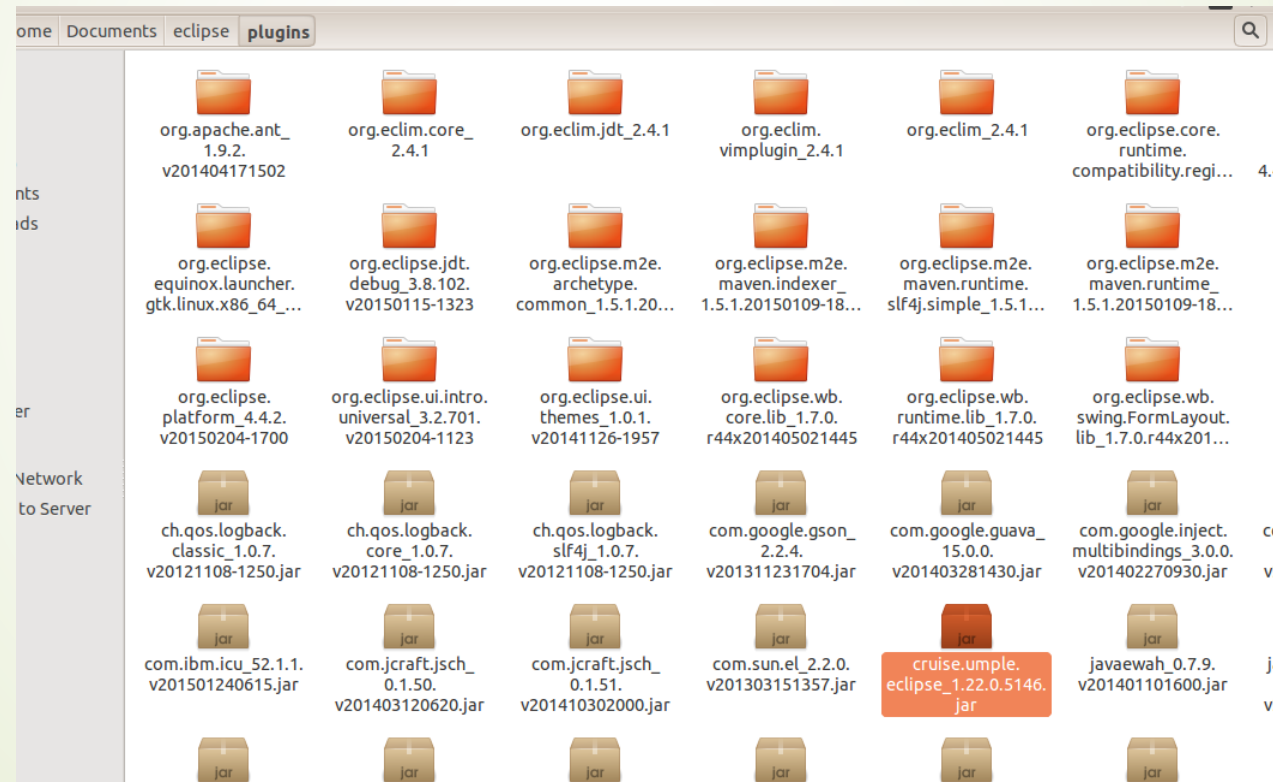
Install Umple Plugin (Most Users)

Navigate to your eclipse folder



Install Umple Plugin (Most users)

Place jar into your plugins/dropins folder





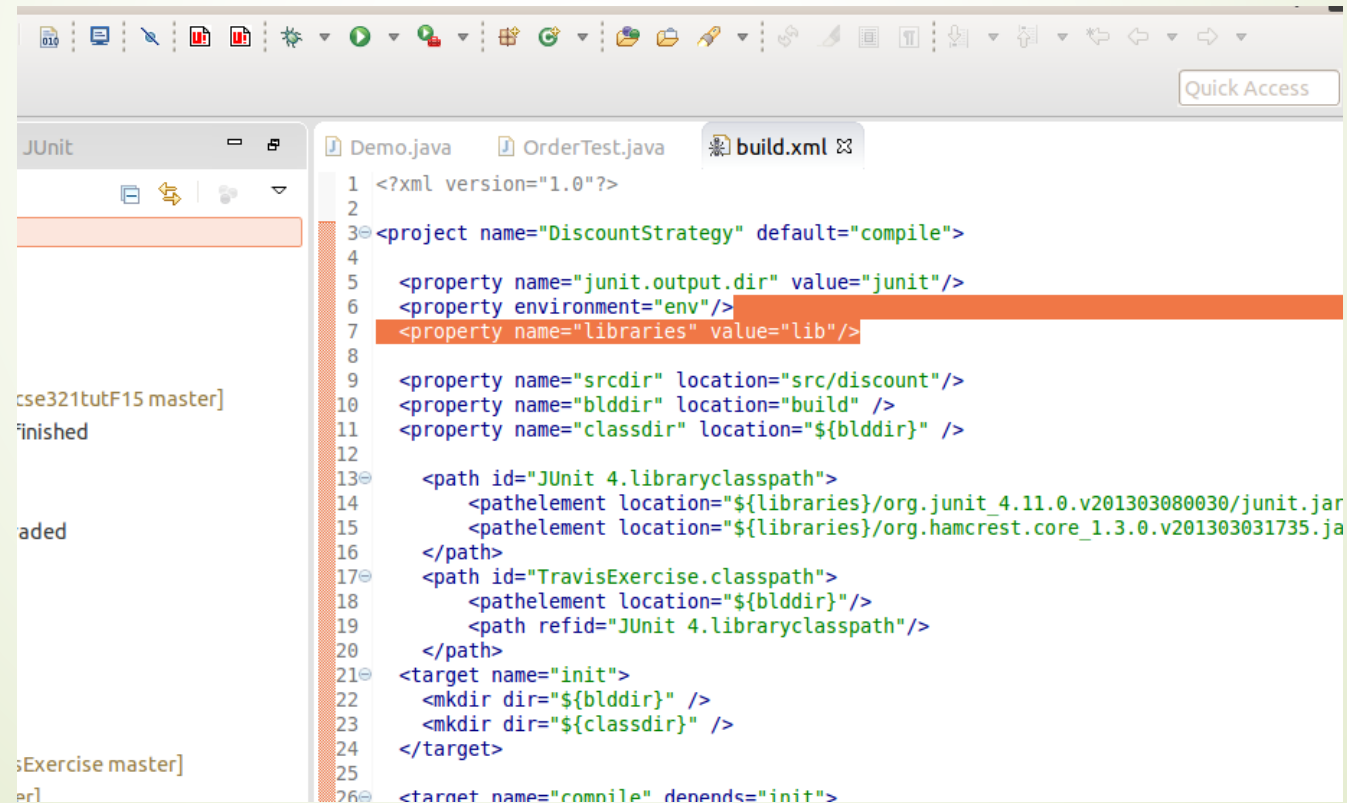
Install Umple Plugin (Some Mac users)

If you do not have the above mentioned folder structure the following is for you:

1. Using the Finder go to your eclipse application
2. Right click and select "show package content"
3. paste the jars into content>eclipse>dropins

Checking Umple Install

New icons will appear



The screenshot shows an IDE window with a toolbar at the top. A large red arrow points from the text 'New icons will appear' to the toolbar. The toolbar contains various icons, including a red icon with a white 'U' (Umple) and a green play button. The main editor area displays a file named 'build.xml' with the following XML content:

```
1 <?xml version="1.0"?>
2
3 <project name="DiscountStrategy" default="compile">
4
5   <property name="junit.output.dir" value="junit"/>
6   <property environment="env"/>
7   <property name="libraries" value="lib"/>
8
9   <property name="srcdir" location="src/discount"/>
10  <property name="blddir" location="build" />
11  <property name="classdir" location="${blddir}" />
12
13  <path id="JUnit 4.libraryclasspath">
14    <pathelement location="${libraries}/org.junit_4.11.0.v201303080030/junit.jar"/>
15    <pathelement location="${libraries}/org.hamcrest.core_1.3.0.v201303031735.jar"/>
16  </path>
17  <path id="TravisExercise.classpath">
18    <pathelement location="${blddir}" />
19    <path refid="JUnit 4.libraryclasspath"/>
20  </path>
21  <target name="init">
22    <mkdir dir="${blddir}" />
23    <mkdir dir="${classdir}" />
24  </target>
25
26  <target name="compile" depends="init">
```



See you next week!

