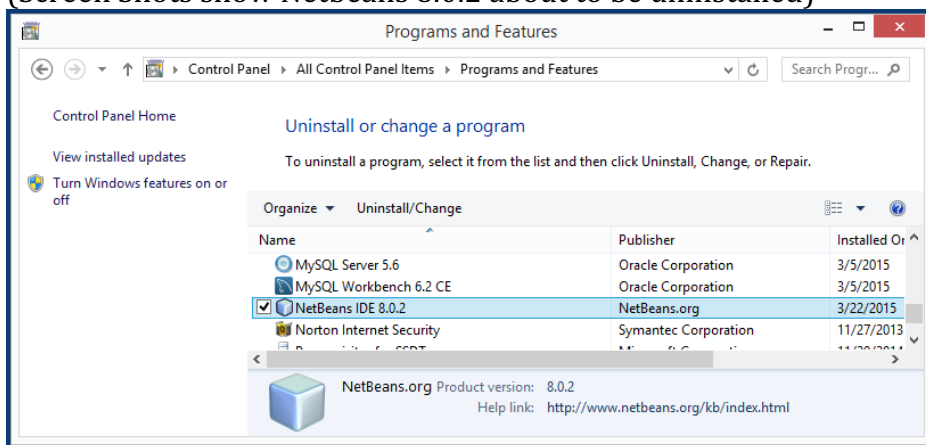# Netbeans IDE (Java EE) Installation with Tomcat

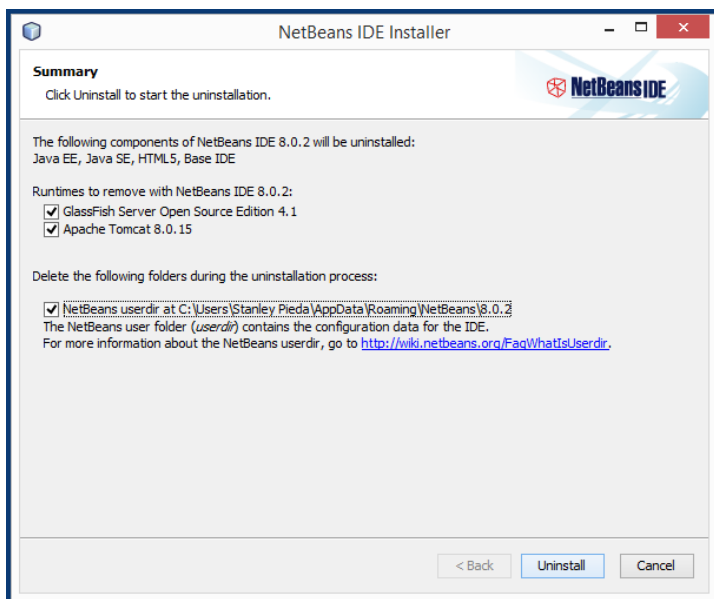## Step 1: Uninstall Old Netbeans + Old Web server(s)

- If you have an older version of Netbeans and may or may-not have Tomcat installed it is recommended that you remove them and re-install to the latest versions:
    - Netbeans 8.2
    - Tomcat Apache Tomcat 8.0.27

Removing Netbeans:

- Backup any projects you created in Netbeans by copying them to another folder on your hard-drive
    - By default on my computer these projects are saved to:
      C:\Users\Stanley Pieda\Documents\NetBeansProjects
- Use the Windows Control Panel – Programs and Features Tool to uninstall Netbeans
- Also uninstall Glassfish and Tomcat if you are given the option by the Netbeans uninstaller (Screen Shots show Netbeans 8.0.2 about to be uninstalled)
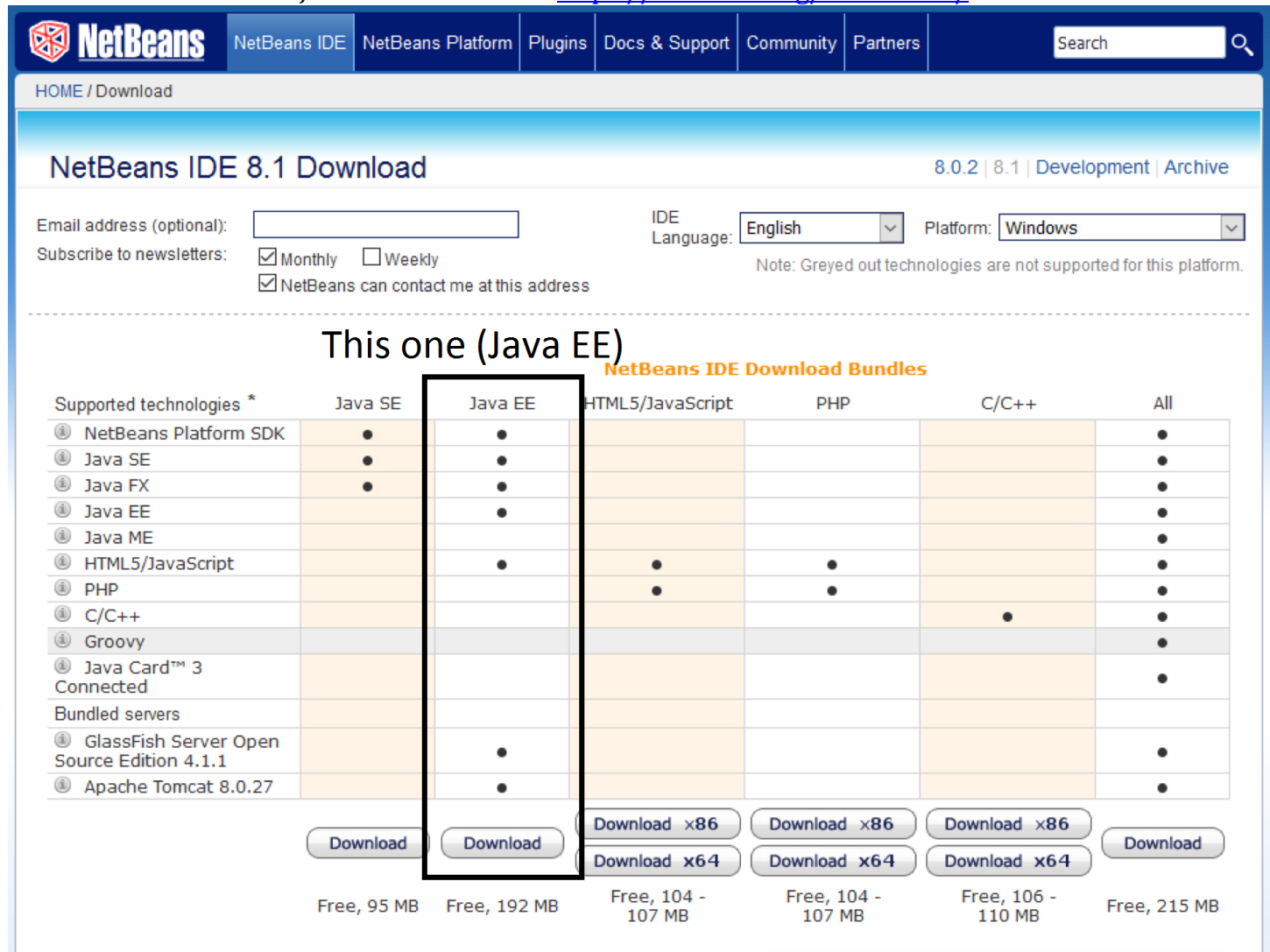

- Right-Click to select **Uninstall/Change** which will launch the installer:

- Place check marks, click Uninstall
- Reboot your computer whether you are asked to or not.

Step 2: Download and Install NetBeans 8.2

- Download NetBeans Java EE Bundle from: https://netbeans.org/downloads/

Installation Instructions:

Also See: https://netbeans.org/community/releases/82/install.html

- Use default settings:
    - Make sure you select to install **Apache Tomcat 8.0.27**
    - Use defaults for installation folders of IDE, Glassfish (if selected), and Tomcat
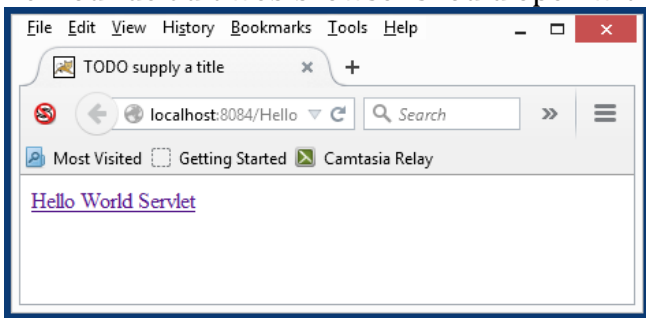   - Also check for updates when given the option

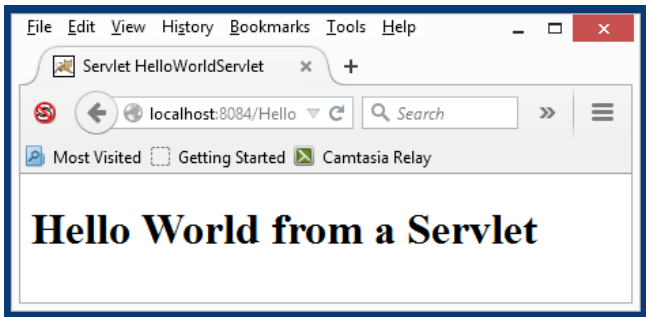## Optional: Program "Hello World" (yet again…)

(See Next Page)

Optional: Program "Hello World" (yet again…)

Program a Hello World Servlet to see if Apache Tomcat and Netbeans are working
1. Start Netbeans
2. File → New Project → [Java Web] [Web Application] (Next)
3. Project Name: HelloWorldServlet (Use defaults, Next)
4. Make sure Server: [Apache Tomcat 8.0.27.0] is selected (Use other defaults, Next)
5. Ignore Frameworks offered and click Finish
6. In the index.html page that opens:
   a. Change the title to Hello World Selection Page
   b. Add a hyperlink inside the div element: `<div>TODO write content</div>`
   c. i.e. `<div><a href="HelloWorldServlet">Hello World Servlet</a></div>`
7. Right-Click on the Project Name → New → Servlet…
   a. Class Name: HelloWorldServlet (leave the rest with defaults)(Next)
   b. Place a check mark into "☑ Add information to deployment descriptor (web.xml)" click Finish
      (Step b. is very important!)
8. When the servlet code opens replace:
   `out.println("<h1>Servlet HelloWorldServlet at " + request.getContextPath() + "</h1>");`
   with:
   `out.println("<h1> Hello World from a Servlet</h1>");`
9. Use the large Green Arrow to run the website
10. Your default web browser should open with the Index.html

11. Click the link to run the servlet:

If something does not work:
- Don't Panic!
- Get help in lab and / or contact your lecture professor!