

HW11

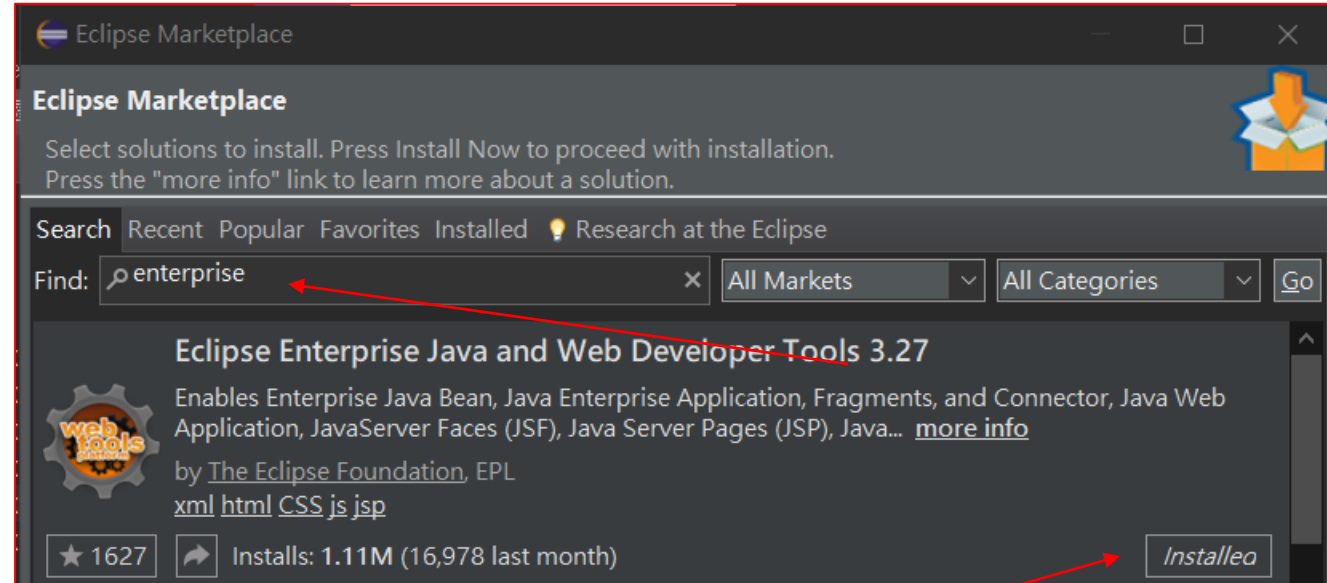
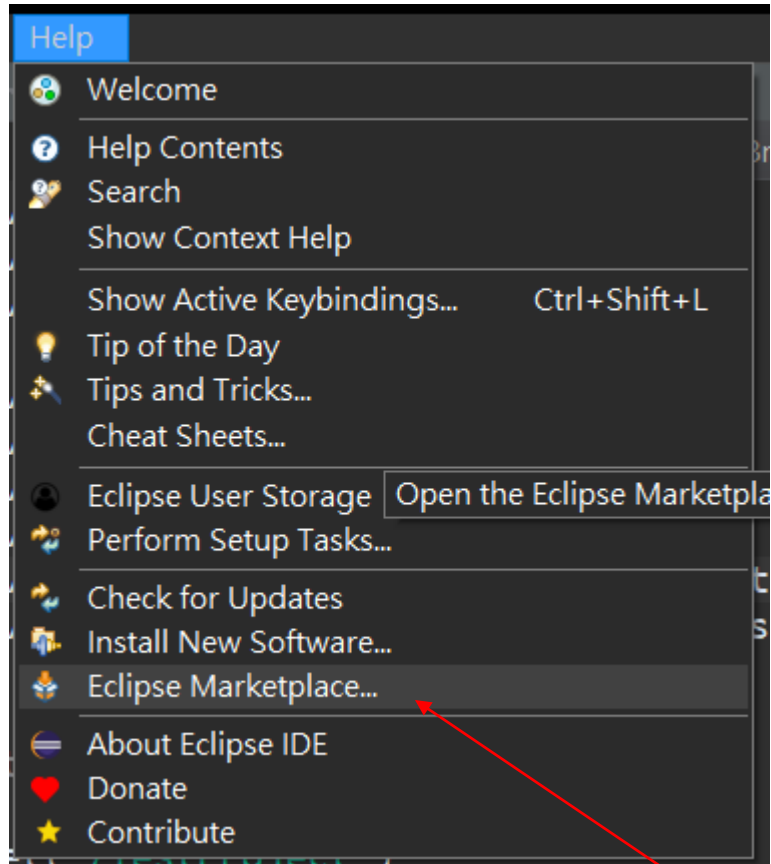
Webrize BMI!

- Create a web page that takes users' height and weight and return his/her BMI
- This is the final HW. Use the same skills to webrize your project

Requirements

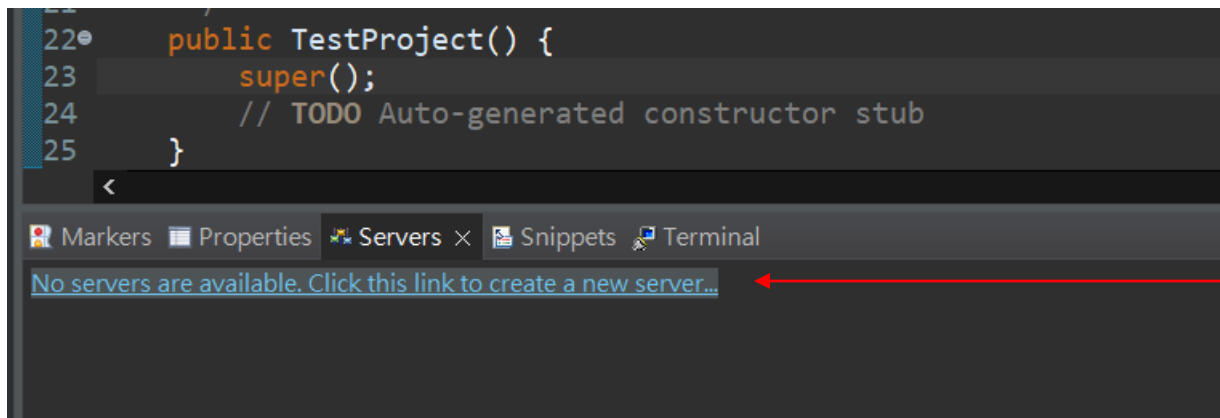
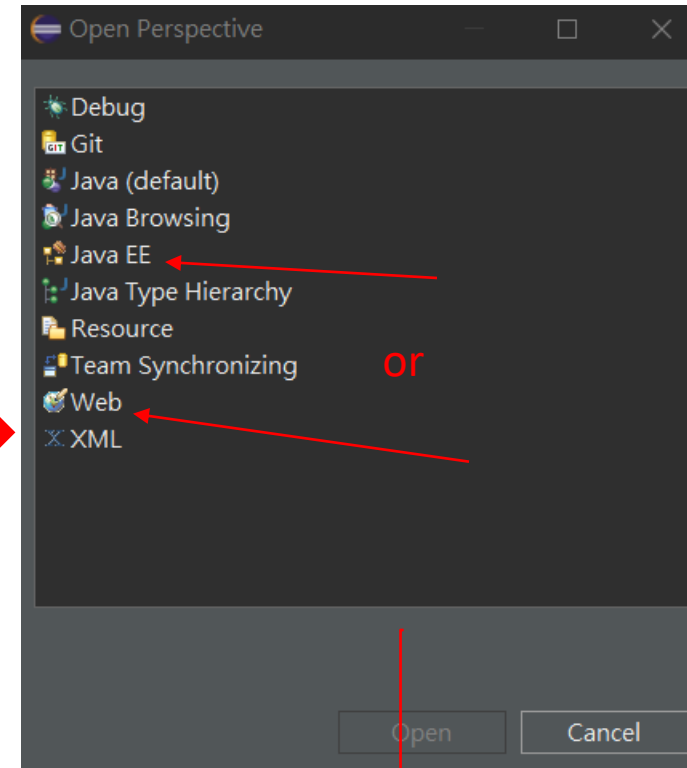
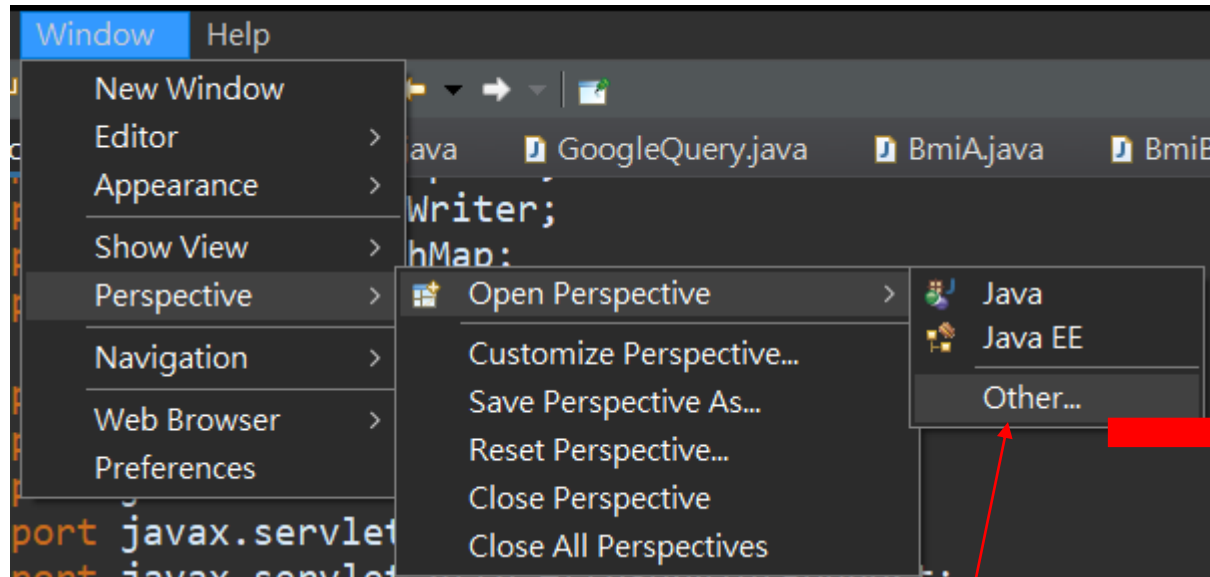
- Use Tomcat to set up a server on localhost.
- Run a service(Bmi calculator) on your server.
- Only need to upload your screenshot of compiler or explorer output to WM5.
 - File Name: HW{number of homework_ID number} , ex: HW11_110306XXX

Download eclipse EE



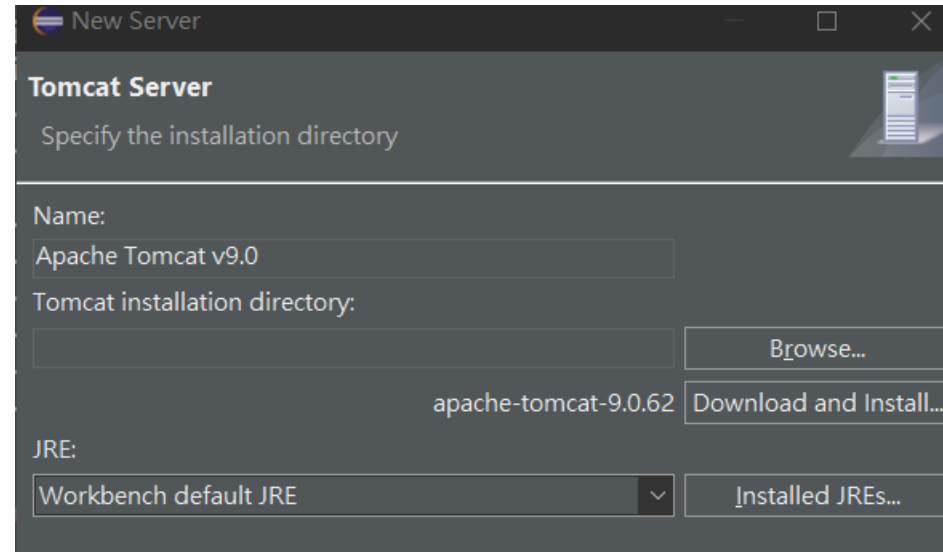
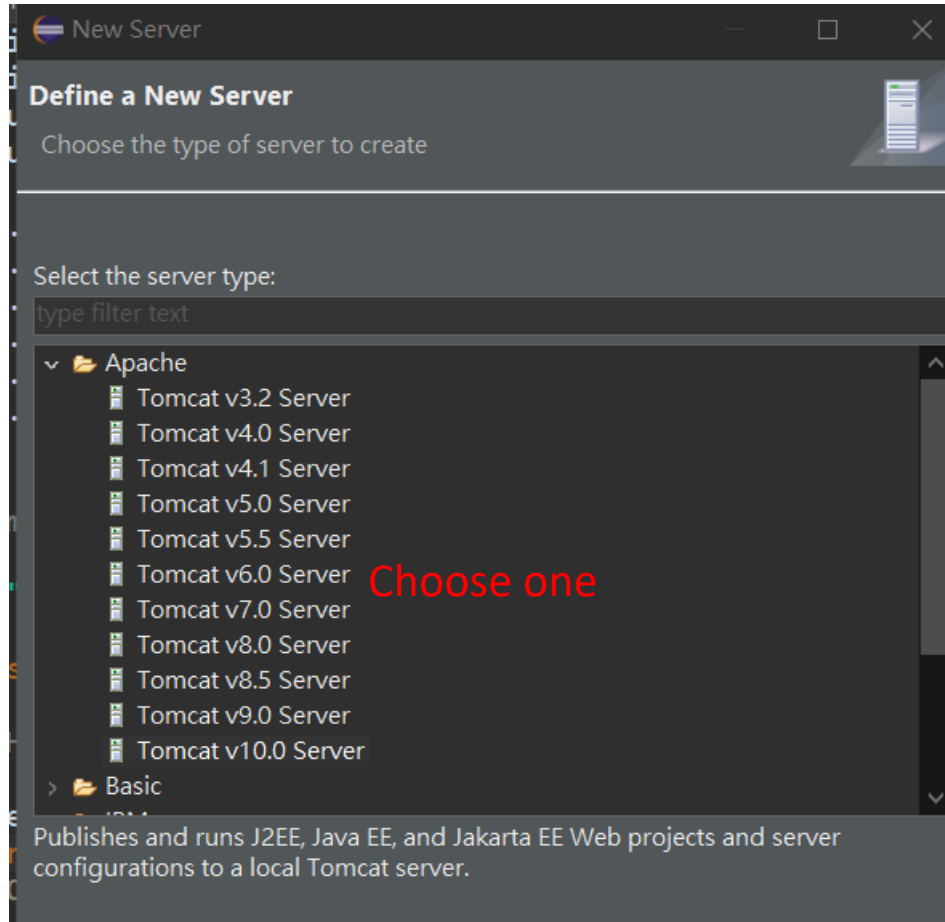
And accept everything just like you install app before =)
(If you don't have special requirement.)

Open the perspective of Java EE/Web



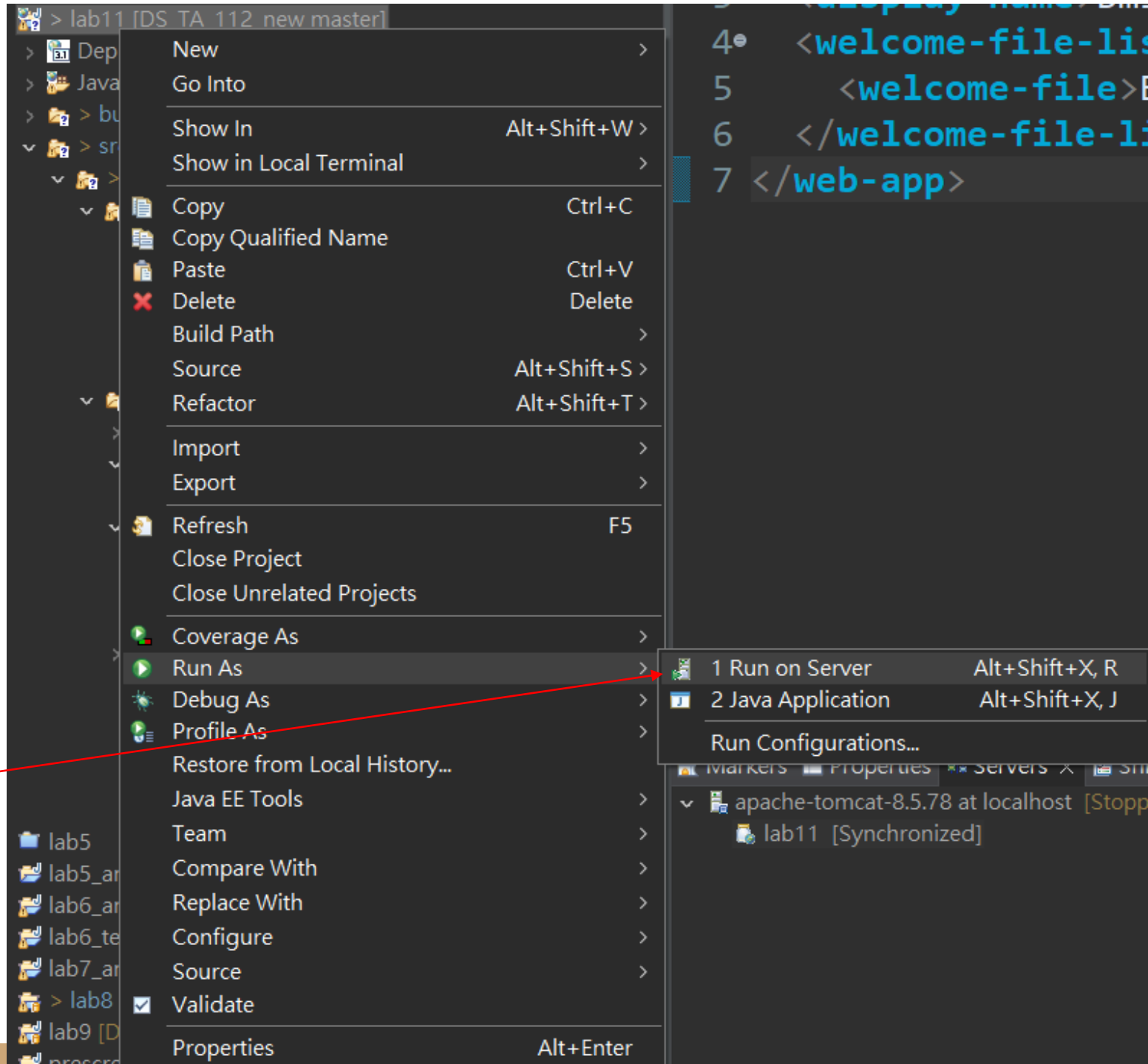
Download Tomcat

- There are no restrictions on which version to use, but make sure you use a compatible (or the same) version as your team members.

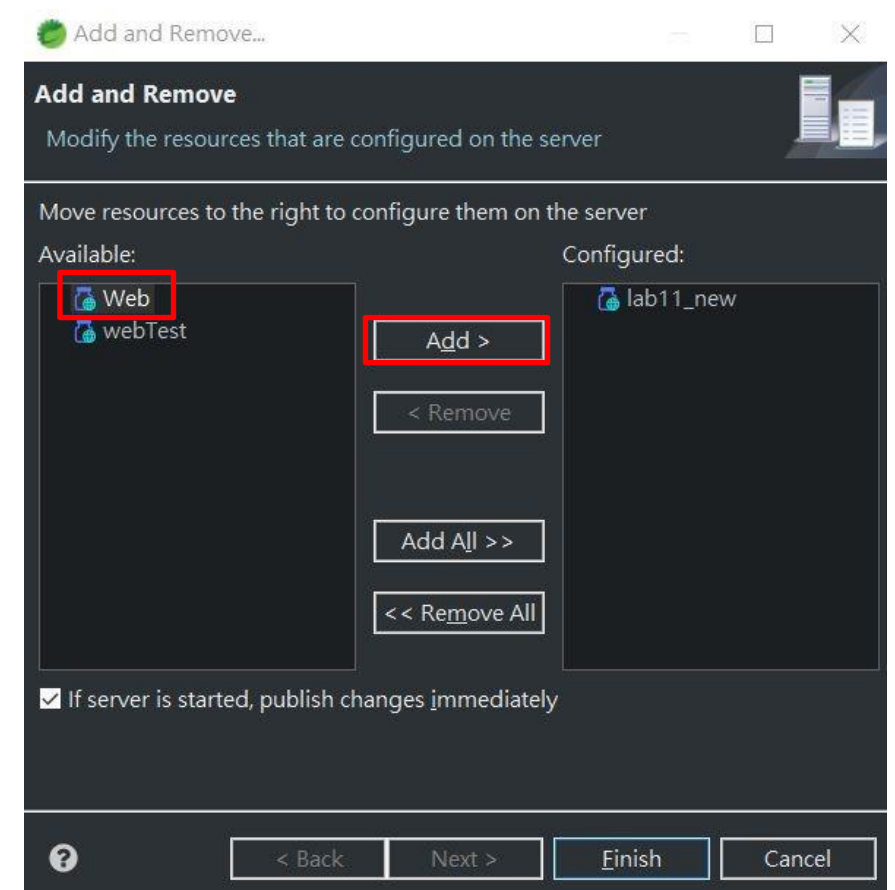
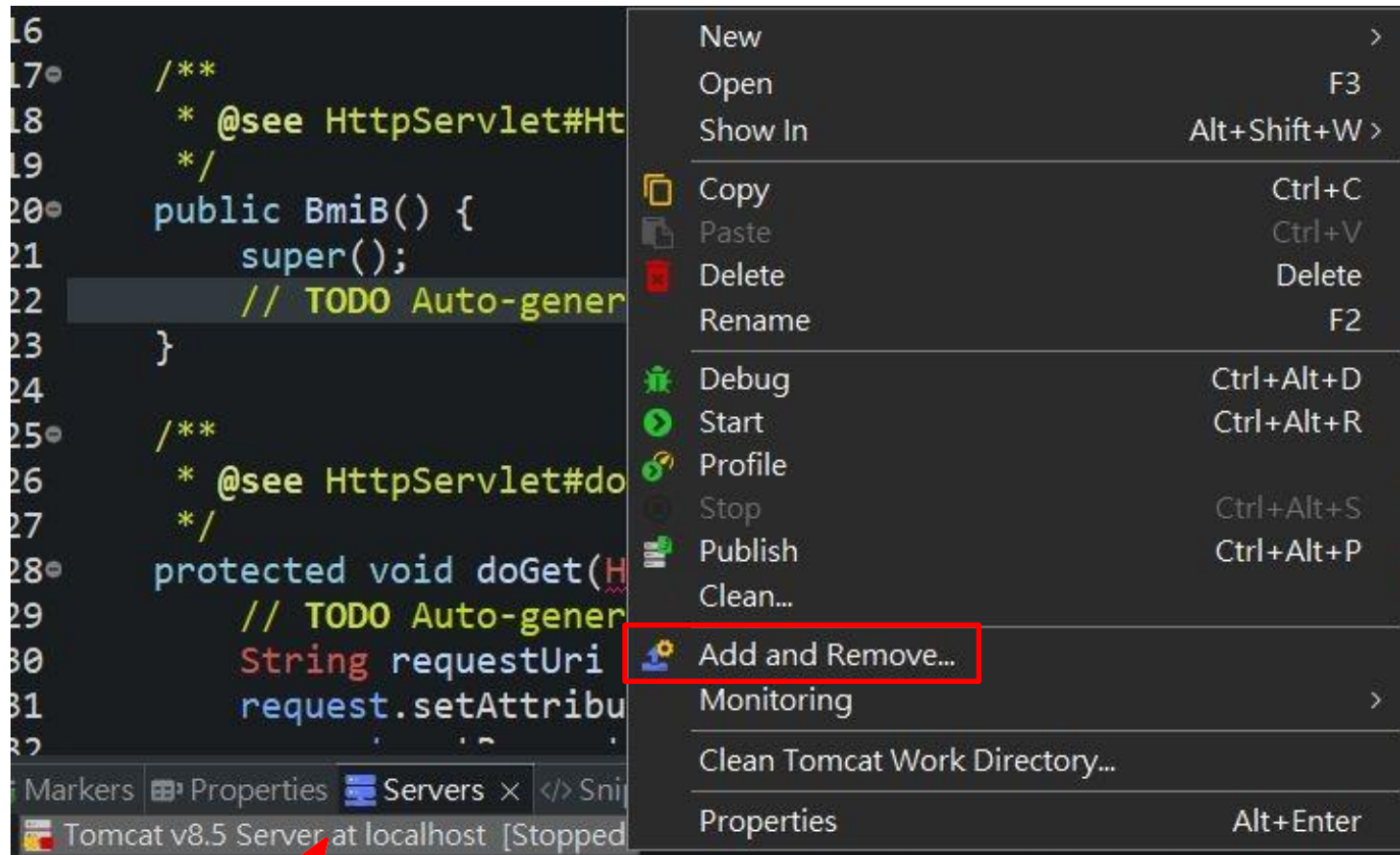


- An easy way to install Tomcat is download & install at here(BUT DON'T PUT IT INTO THE PROJECT FOLDER).
- Maybe you can download it at Tomcat official website, but if you download v10.1.17, it will not compatible with v10.0 in the picture. And there is no option for v10.1.17 if you use EE plugin rather than install new eclipse EE.

Unlike previous assignments
, to run the web app, click here.



Maybe there are some problems...



Maybe there are some problems...

The image shows a screenshot of an IDE interface. On the left, a project tree for 'Web [DS_TA_old master]' is visible, containing folders like 'src', 'JRE System Library [JavaSE-1.7]', 'JRE System Library [jre]', 'Web App Libraries', 'Deployment Descriptor: Web', 'build', 'WebContent', 'images', 'META-INF', 'WEB-INF', 'wsdl', and several JSP files. On the right, the 'Properties for Web' dialog box is open. The 'Server' tab is selected, showing the project 'Web (J2EE Web module)' and a list of servers. The list includes '<None>' and 'Tomcat v8.5 Server at localhost'. The 'Server' property is highlighted in the left-hand list of the dialog. At the bottom of the dialog, there are buttons for 'Restore Defaults', 'Apply', 'Apply and Close', and 'Cancel'.

Web [DS_TA_old master]

- > src
- > JRE System Library [JavaSE-1.7]
- > JRE System Library [jre]
- > Web App Libraries
- > Deployment Descriptor: Web
- > build
- > WebContent
 - > images
 - > META-INF
 - > WEB-INF
 - > wsdl
 - > Bmi.jsp
 - > Bmiresult.jsp
 - > BmiTogether.jsp
 - > googleitem.jsp
 - > Search.jsp

Properties for Web

type filter text

- Javadoc Location
- > Java Editor
- JSP Fragment
- Namespaces
- Project Facets
- Project Natures
- Project References
- Refactoring History
- Run/Debug Setting
- Server

Server

Project: Web (J2EE Web module)

Always use the following server when running this project:

- <None>
- Tomcat v8.5 Server at localhost

Restore Defaults Apply

Apply and Close Cancel

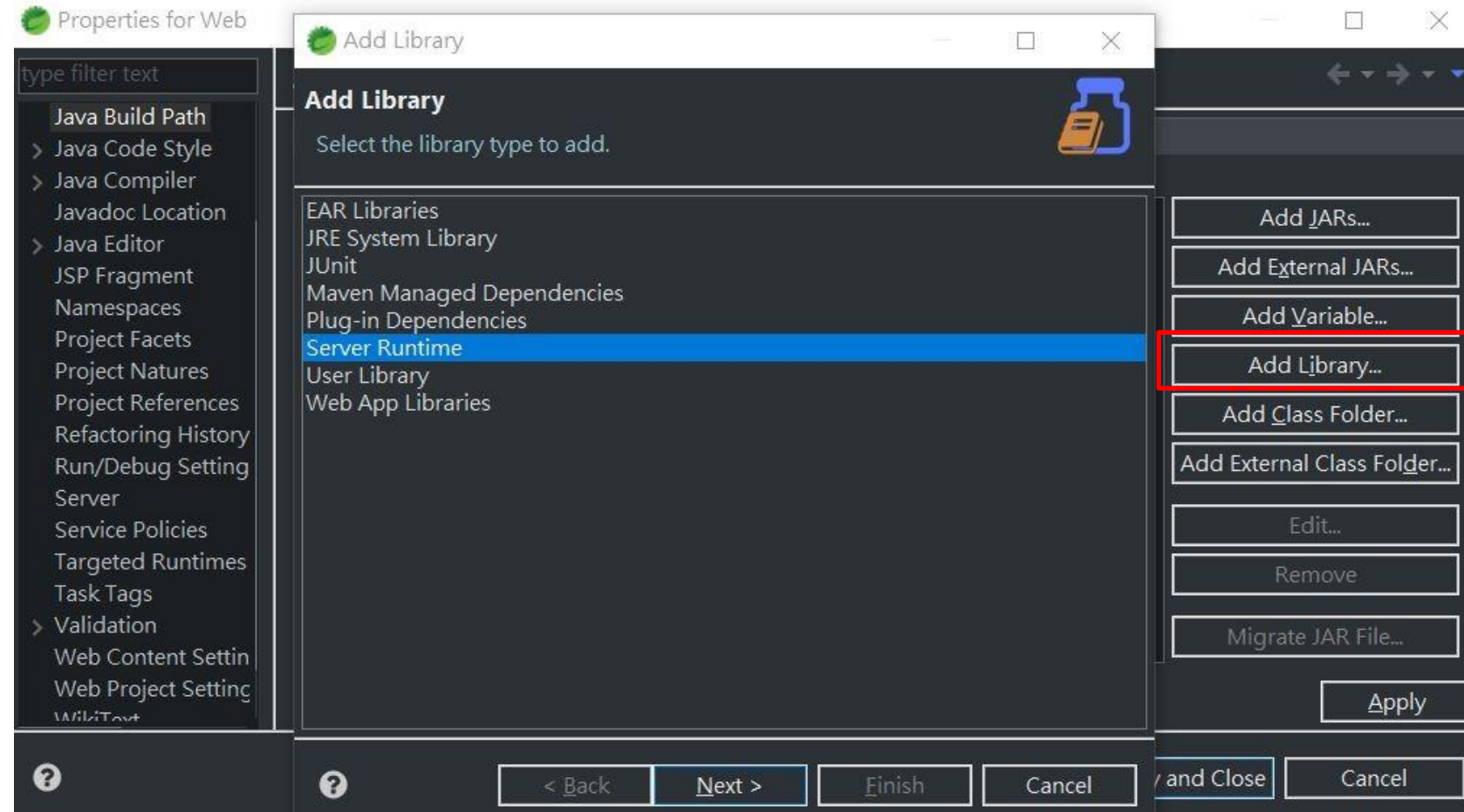
Maybe there are some problems...

If you encounter something like this

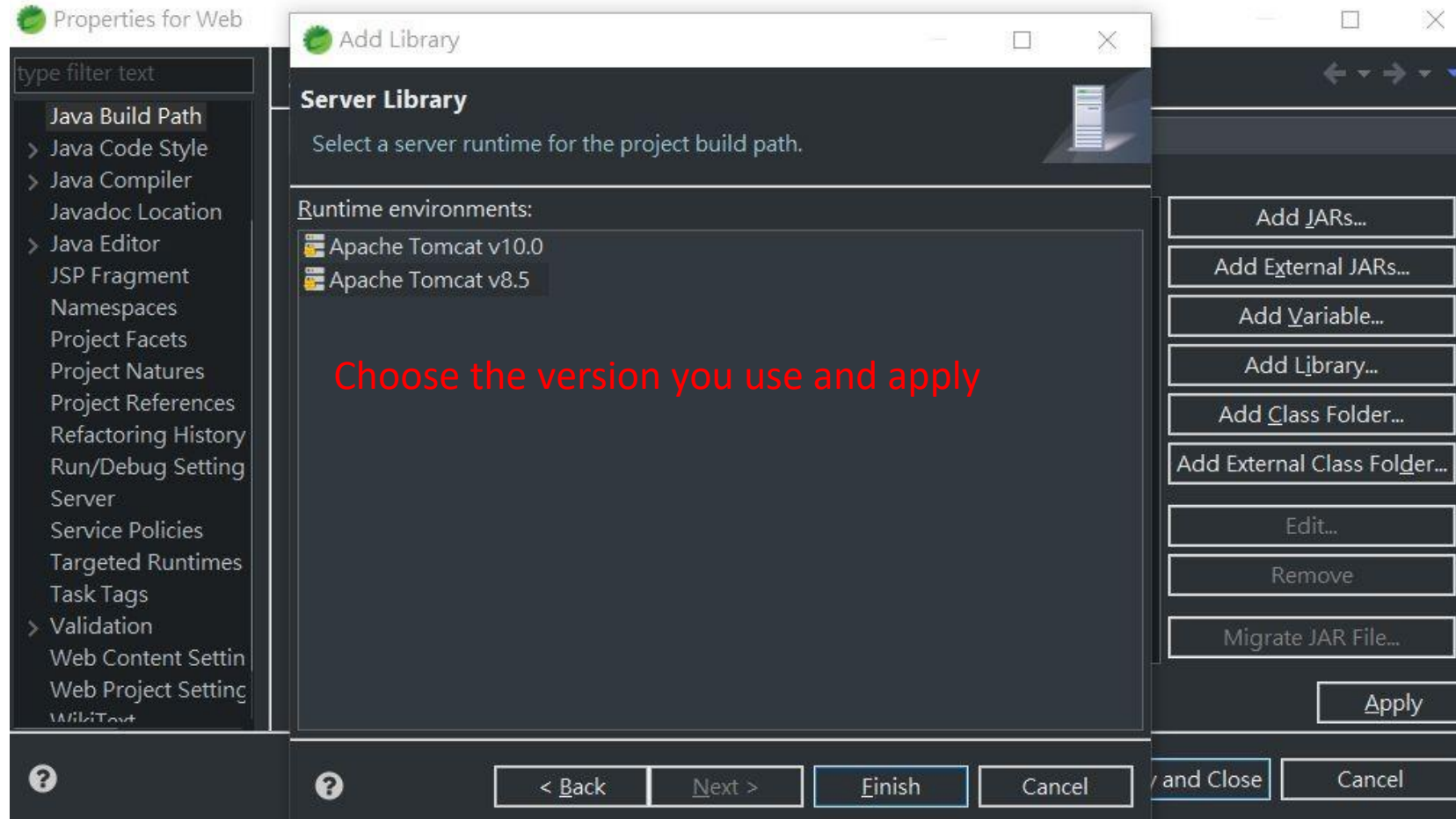
The superclass "javax.servlet.http.HttpServlet", determined from the Dynamic Web Module facet version (3.1), was not found on the Java Build Path

You can open the property
of the web in the project.

Java build path -> add library
->server runtime



Maybe there are some problems...



Example



The image displays two sequential browser window screenshots. The top screenshot shows a web form with two input fields: the first contains '1.72' and the second contains '55'. A 'submit' button is located to the right of the second field. The browser's address bar shows 'http://localhost:8080/Web/BmiC'. The bottom screenshot shows the same browser window after submission, displaying the text 'Bmi : 18.591130340724717'.

1.72 55 submit

http://localhost:8080/Web/BmiC

Bmi : 18.591130340724717