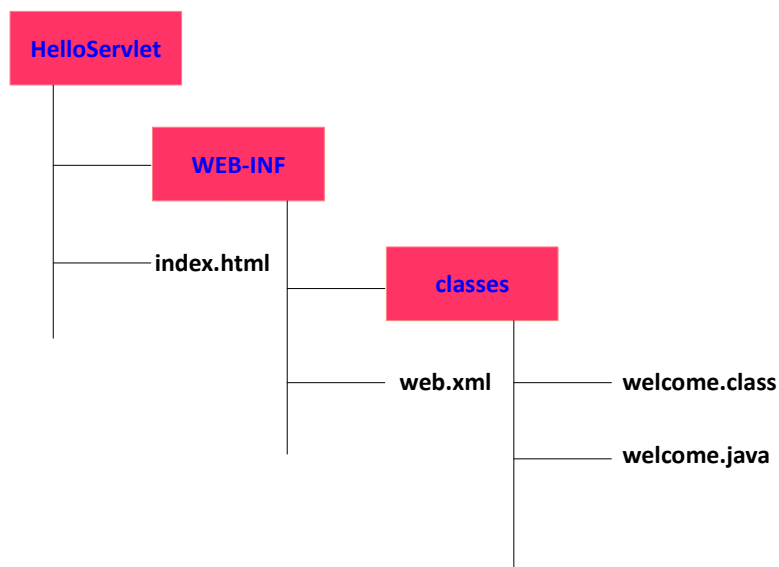


SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Internet Programming Lab – CS6512
Programming Assignment 7 – Student details Servlet using Apache Tomcat Server

Write index.html to display form the following details namely Student name, Registration number, address, Date of Birth, E-mail id and with a submit button. Set the method attributes of the form to "get" to generate GET request to the server. Write a java servlet to display the student details when the button is clicked. Perform the validation for fields in the form. Write also the configuration file, namely, web.xml which maps the url mapped to the servlet class file.

Follow the directory structure for creating HelloServlet Web application and follow the guidelines below to configure and deploy web application.



Assuming java is working on your laptop/desktop, To check, go to command prompt and type
>javac

Download tomcat from tomcat official website Extract in to say C drive

How to install tomcat? (For Windows)

You need to create an *environment variable* called "JAVA_HOME" and set it to your JDK installed directory.

1. First, take note of your JDK installed directory. The default is "c:\Program Files\Java\jdk1.8.0_{xx}", where {xx} is the latest upgrade number. It is **important** to verify your JDK installed directory, via the "Computer", before you proceed further.
2. Start a CMD shell, and issue the command "set JAVA_HOME" to check if variable JAVA_HOME has been set:
3. > **set JAVA_HOME**
Environment variable JAVA_HOME not defined
If JAVA_HOME is set, check if it is set to your JDK installed directory correctly. Otherwise, goto next step.

4. To set the environment variable JAVA_HOME in Windows 2000/XP/Vista/7/8: Push "Start" button ⇒ Control Panel ⇒ System ⇒ (Vista/7/8) Advanced system settings ⇒ Switch to "Advanced" tab ⇒ Environment Variables ⇒ System Variables ⇒ "New" (or "Edit" for modification) ⇒ In "Variable Name", enter "JAVA_HOME" ⇒ In "Variable Value", enter your JDK installed directory (e.g., " c:\Program Files\Java\jdk1.8.0_{xx}").

5. To verify, **RE-START** a CMD shell (need to refresh the environment) and issue:

6. > **set JAVA_HOME**

JAVA_HOME=c:\Program Files\Java\jdk1.8.0_{xx} <== Verify that this is YOUR JDK installed directory

How to set class path?

1. Go to tomcat home directory and browse to .../lib/
2. Copy the path
3. Go to environment variables and under system variables create a new entry with
Variable name = CLASSPATH
Variable value = <the url you have just copied>
4. Save and exit.

How to run the web application?

1. Copy the HelloServlet application in webapps folder
2. Navigate to tomcat directory, go to bin
3. Execute startup.bat
4. Wait for the server to start
5. Open browser and navigate to the url : localhost:8080
6. A tomcat demo page will be displayed.
7. To run firstservlet navigate to the url : <http://localhost:8080/HelloServlet>