

Adv Java Day 5

20 July 2020 08:32

Recap of Previous topics

1. How Web Works
2. Web Server
3. Static and Dynamic Page and How they are created
4. Servlet/JSP
5. Http Protocol (header, body, methods and response status codes)
6. Apache Tomcat Configuration
7. SSL on Tomcat
8. DataSource and how it is created on Tomcat
9. How to Use Eclipse IDE, Integrate Apache Tomcat with eclipse/STS
10. Create Dynamic Web Project
11. Html, CSS
12. JavaScript

Now what I expect from You:

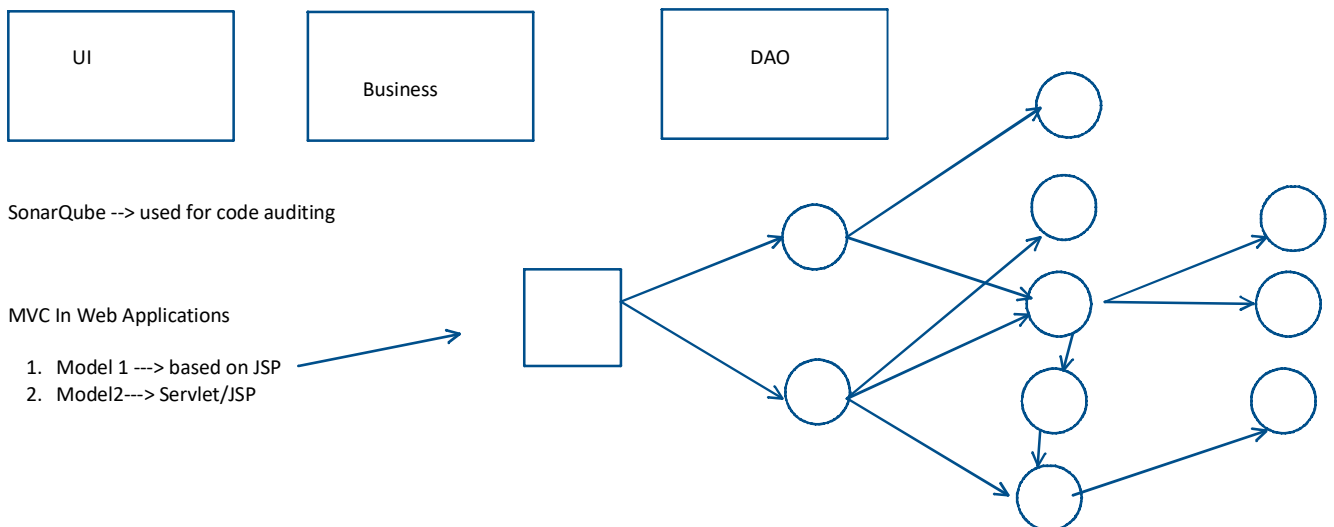
Knowledge of

1. Core Java Basics
2. Exception Handling
3. Collections (Set, List, Map at least)
4. Concepts of Thread

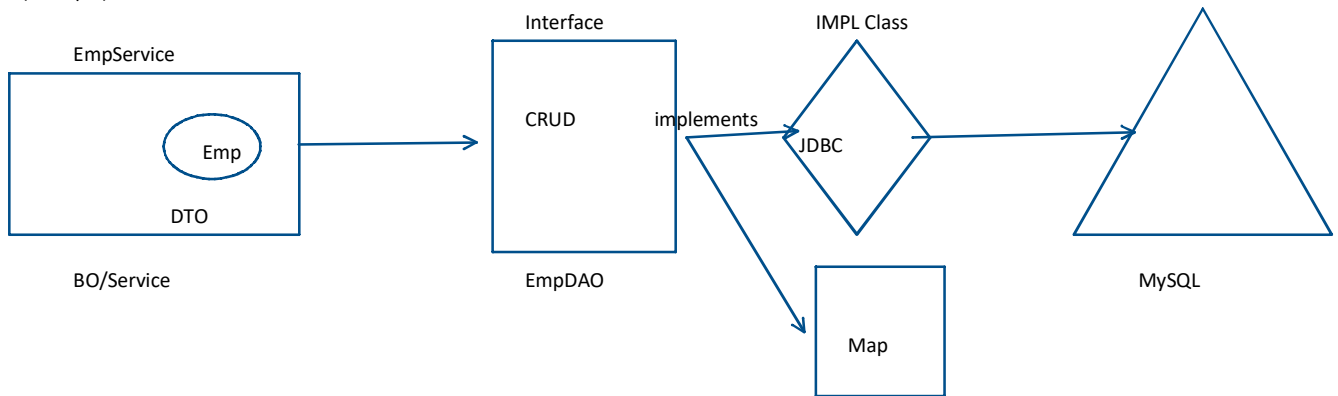
Layered Design:

1. UI or Interaction Layer --> User Interacts with this Layer
2. Business Layer --> Core Task is done here e.g. Access data from database, calculate TAX etc
3. Data layer--> The code or Strategy to access data from external Data Source

GOF Design pattern



DAO (Example)



Hands On:

1. Implement a Map based Dao with Service or Business Object for a Student with the given fields. Dao should have CRUD and List methods.

Student details:

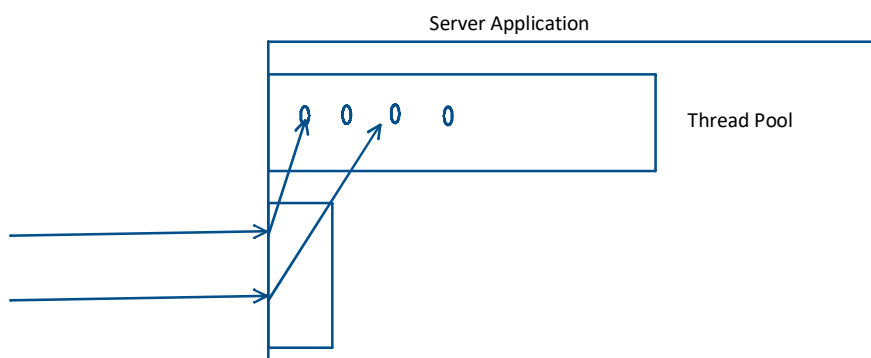
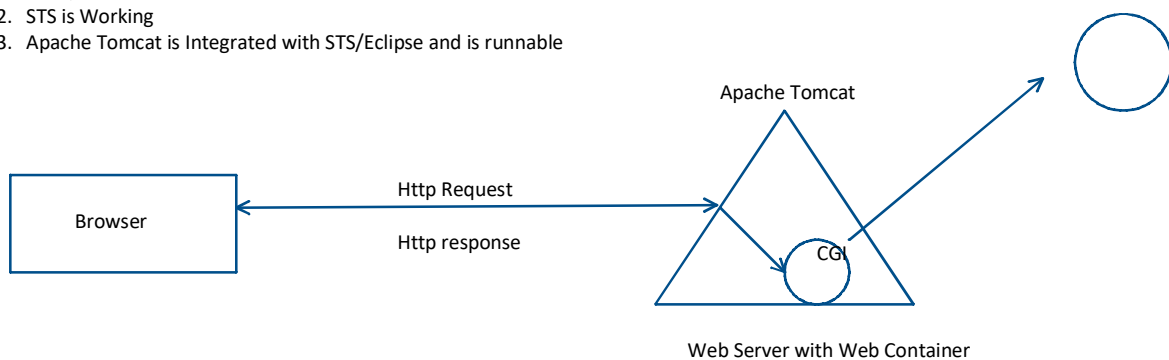
rollNo:int (unique Id)

studentName:String

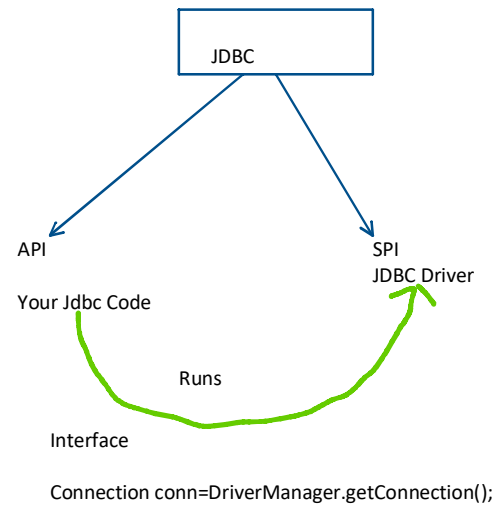
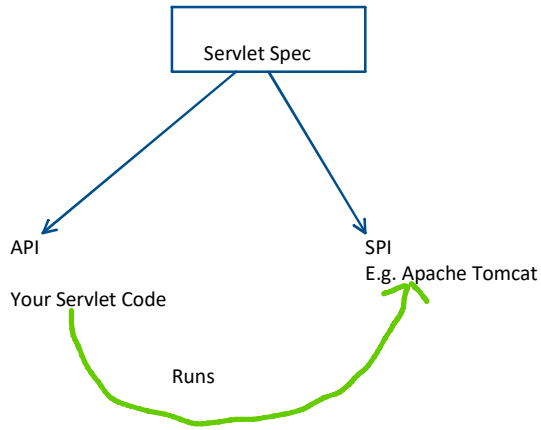
Course:String

For Servlets, Please make sure

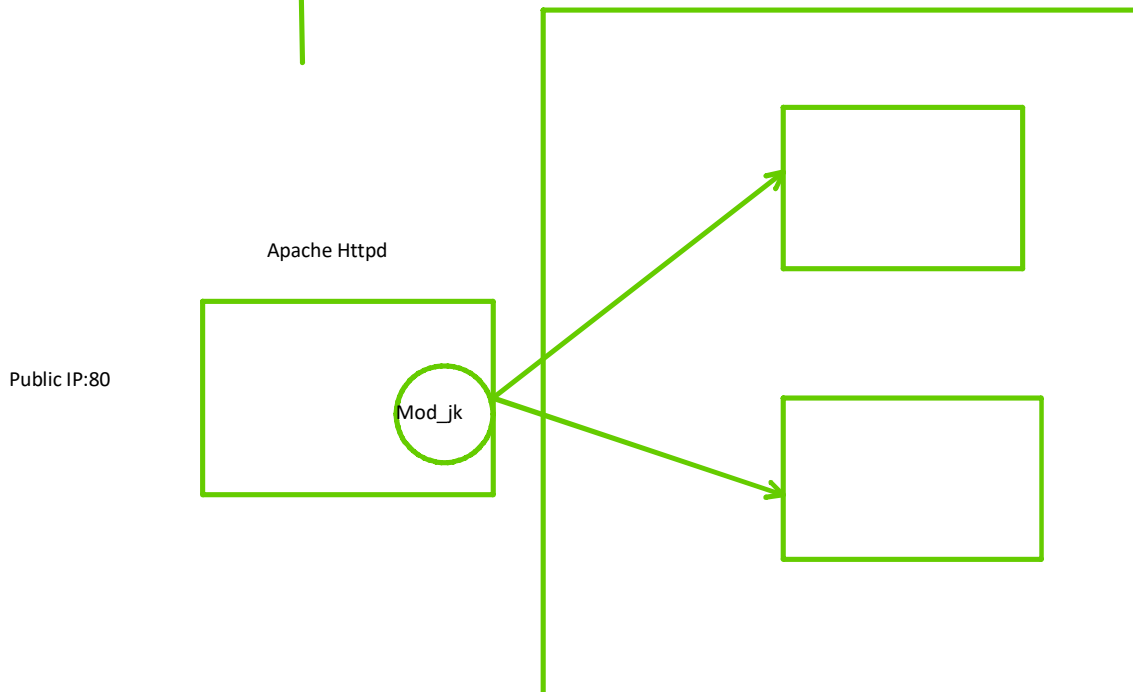
1. Java path is set
2. STS is Working
3. Apache Tomcat is Integrated with STS/Eclipse and is runnable



Servlet Specs



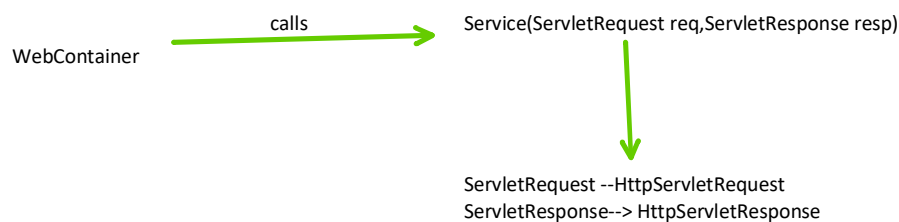
Web Module : 2.2,2.3,2.4,2.5 | 3.0,3.1,3.2,4

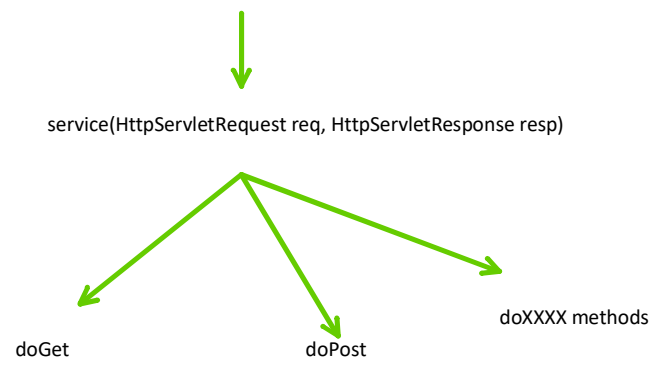


HttpServlet

Http GET -----> In Http Servlet it call doGet

Http POST -----> In Http Servlet it call doPost

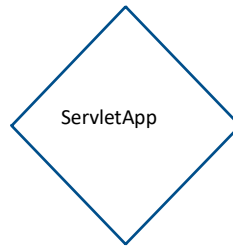




Form Data Processing

Request Form POST

Servlet



Response Page

Thank You
firstName+" "+lastName

Add 2 numbers and display the result on browser