Introduction to Web Java Lab (**LAB231**)

Prerequisites

- **Completed:**
- PRJ321 (Web-based Java Application)

Course Objectives

- This course **make students to achieve advance Java programing proficiency with the following skills**
  - Proficiency in Java skills required in PRJ321 Course
  - Proficiency in front end skills require for industry
  - Proficiency in JDBC skills require for industry
  - **Be able to Independently complete assignments (evaluated by mentor)**

Required Environments

- JDK 7, 8 (http://www.oracle.com/technetwork/java/index.html)
  - **Recommend**: JDK 7 Update 51, JDK 8 Update 66
- JDK 7, 8 Documentation
- J2EE 1.4/JavaEE5 Core Patterns
- **NetBeans IDE 7.4/8.0.2/8.1/8.2 with supporting JavaEE** (http://www.netbean.org)
- **Bundle Tomcat 8.0.x/7.0.x** (http://tomcat.apache.org/)
- DBMS: **MS. SQL Server 2005/2008/201/2017** (http://www.microsoft.com/sqlserver/2008/en/us/default.aspx)
- Browser: **Internet Explorer ≥ 8.x**
- Driver Type 4 for MS. SQL Server: **sqlserver4.jar** (http://lms-undergrad.fpt.edu.vn/mod/resource/view.php?id=4566)
- **Editor**

Course Rules

- **How to conduct**
  - This course focuses on basic problems related to advance Java programming skills.
  - Students are *required to implement all assignments by him/her self* in lab rooms.

- **Policies**
  - Must follow up Official Policy at LMS course (http://lms-undergrad.fpt.edu.vn/mod/resource/view.php?id=29206)

- **Others**
  - Off phone
  - Use laptops under teacher's instruction (No game, no chat in class)

Evaluation Strategy

- Students must attend at least 80% of contact slots in order to be accepted to the final results.

- Students are responsible to conform to Lab Room Regulations

- **Evaluating**
  - **1050 <= LOC <= 1200**   PASSED

- **Schedule is followed on LMS course with 03 projects**
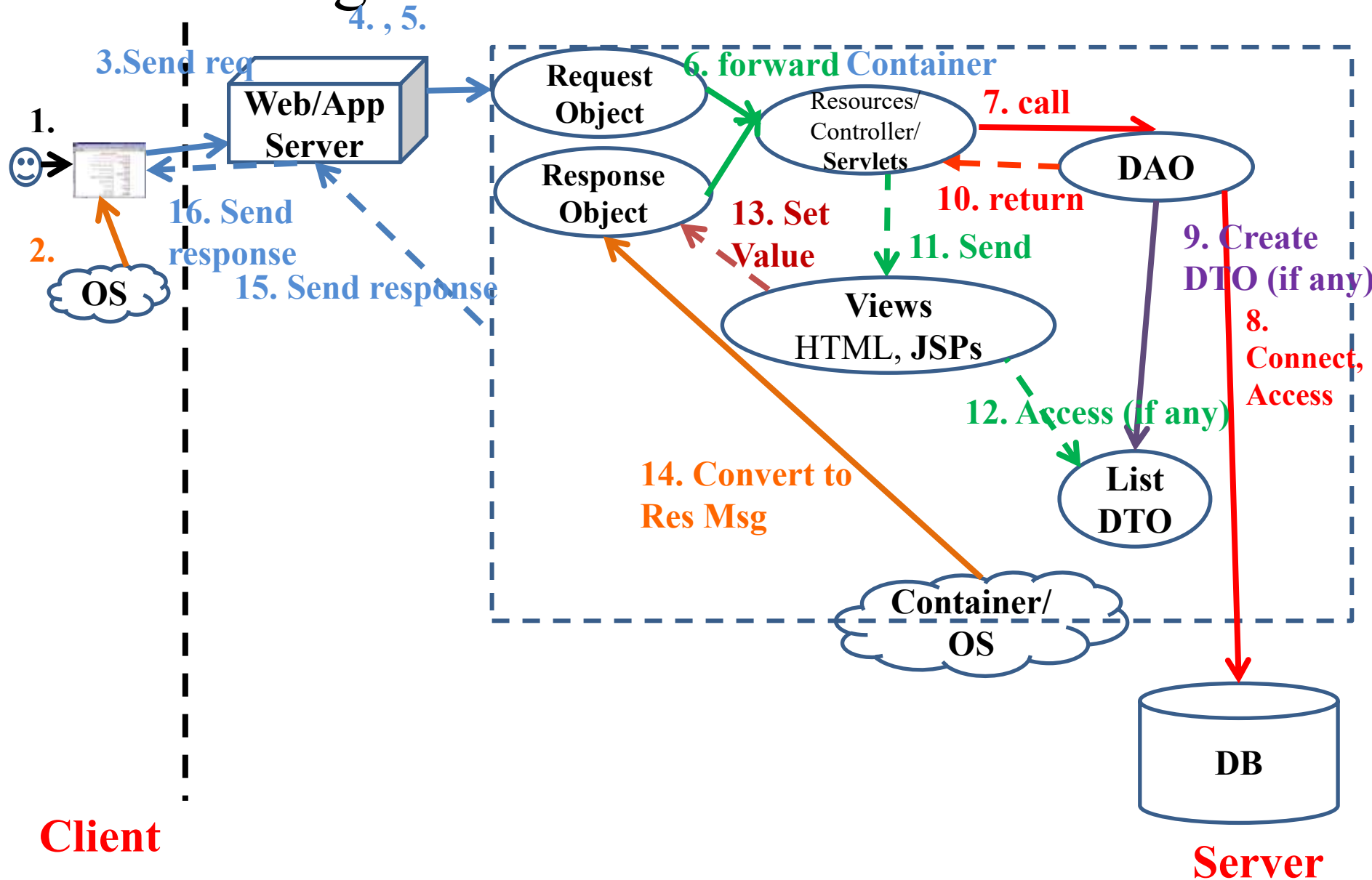
How to evaluate

- This course is **required following rules**, so you **need to focus and practice** your exercises and homework in try your best everyday
  - **Project (if students violate, they take 0 marks)**
    - Obey requirements and mentor's recommended, policies and requirement
    - **Not** copy (copy code, contents, style)
    - Submission of all source code **does not delete anything**

Academic policy

- Cheating, plagiarism and breach of copyright are serious offenses under this Policy.
  - **Cheating**
    - Cheating during a test, making a project, or an exam is construed as talking, peeking at another student's paper, or any other clandestine method of transmitting information.
    - Cheating during in making lab and assignment as copy source code, copy style, same meaning in progress, …
    - **To verify, student's code in project can be deleted, then he/she must be retyped to make the program running correctly. Or/And make new required functions (Otherwise, he/she takes 0 marks for his/her project/quiz)**
  - **Plagiarism**
    - Plagiarism is using the work of others without citing it; that is, holding the work of others out as your own work.
    - **To verify, student must be described functionality dataflow and how it work (Otherwise, he/she takes 0 marks for his/her project)**
  - **Breach of Copyright**
    - If you photocopy a textbook without the copyright holder's permission, you violate copyright law.
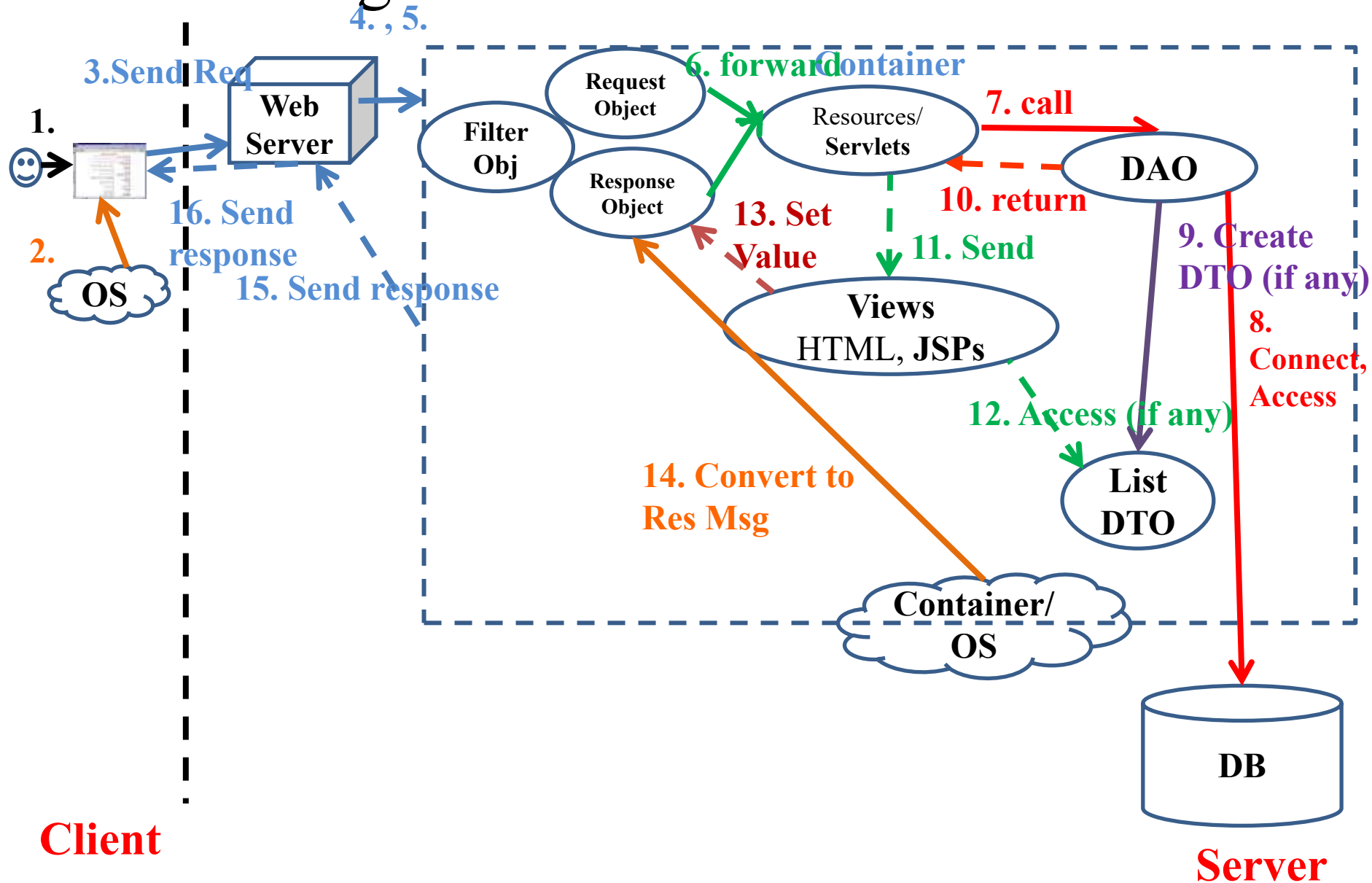
Core Flow

MVC2 Design Pattern with Servlet as Controller

Core Flow

MVC2 Design Pattern with Filter as Controller

Enjoy the Course

- Be enthusiastic about the material because it is interesting, useful and an important part of your training as a software engineer.

- Our job is to help you learn and enjoy the experience.

- We will do our best but we need your help.

- So, let's all have fun together with Web Java Lab!!!

Q & A