

# CPSC 476 - Java Enterprise Application Development

## Programming Assignment 3 - Spring 2016

due April 19

In this assignment, you will change your event calendar implementation from servlets and “Model 2” to Spring MVC.

Your goal should be to produce a version of [Programming Assignment 2](#) that behaves exactly as it did in the previous assignment (though you may, of course, wish to fix any bugs). This version, however, should have a simpler design based on the [Spring MVC](#) framework.

If you did not complete Programming Assignment 2, you will instead need to modify your application from Programming Assignment 1 to use Spring MVC. In either case, the rest of your code from the previous assignment (i.e., the data model) should remain unchanged.

### Spring MVC Features

Your application should include each of the following:

1. A web application configured to use the Spring MVC DispatcherServlet.
2. Servlets refactored to use `@Controller` objects with separate methods for each URL and HTTP method
3. Annotations such as `@RequestParam` and `@RequestHeader` applied to method parameters as appropriate
4. Spring MVC form objects used to handle HTML forms (e.g., logging in, signing up, and creating events)
5. Dispatching to JSPs using View objects
6. Form tags used in JSP pages
7. Model Objects (e.g, `Map<String, Object>`, `ModelMap`, or `Model`)

### Working with Other Students

You may complete this project on your own, but you are encouraged to work together with one or two other students.

If you choose to work with others:

- Submit only a single assignment.
- Include the names of all members of a group on the submission.
- Each student in a group will receive the same grade.

- You may discuss the assignment with other groups, but each group must submit its own work.
- You may choose to work with a different group on future assignments.

## Submission

E-mail the following in a single .ZIP or .tar.gz file to [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com) by 11:59p on the date indicated:

1. Your Maven pom.xml or other build / project files.
2. The .java and .JSP source code for your application
3. Any additional resources (e.g., graphics, deployment descriptors, XML files, SQL DDL scripts) required by your application.
4. Documentation in PDF format, including
  - a. A brief description of your project's architecture
  - b. Build instructions, if any are required beyond a simple mvn package command.
  - c. Screenshots demonstrating your application's functionality

Include your name and the other members of your team (if you have one) in your e-mail.

Do not submit compiled code or .WAR files. Your submission should be in a condition to be re-built from source.

Set the Subject: line of your e-mail to

[CPSC 476] Assignment 3

You may submit multiple times before the deadline; I will only grade the most recent submission before the deadline, unless your e-mail indicates that I should do something else. Late work will not be accepted after the deadline.

## Grading

This programming assignment will be graded on the following 10-point scale, based on the instructor's judgement of the amount of time required to submit A-level work:

10	Application builds and runs correctly as described above.
9	Minor issues with submission or format. Work required to correct the issues is likely to be less than 20 minutes.
8	Minor issues with the application. Work required to correct the issues is likely to be less than two hours.

7	Major issues. Work required to correct the issues is likely to be more than two hours.
6	Application substantially fails to meet requirements, but shows a good faith effort to attempt the project.
5	Application substantially fails to meet requirements. Minimal progress made.
4	Code submitted without documentation, or code fails to compile.
0	No assignment submitted.