

Kyle Klausen

CSD-430

Module 3

01/20/26

Screenshots:

Content

cyberactive.bellevu

Courses CSD430-I

```
kyleklausen --zsh -- 80x24
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 module-1/08_Store
create mode 100644 module-2/KKlausen_Mod2.2.pdf
kyleklausen@yles-MacBook-Pro-3:~/csd-380% git push origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7) 5.64 KiB | 29.64 MiB/s, done.
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/KyleK-Code/csd-380.git
   525ec01..18e45a9  main -> main
kyleklausen@yles-MacBook-Pro-3:~/csd-380% cd
kyleklausen@yles-MacBook-Pro-3:~/csd-380% ~ % java --version
openjdk 17.0.17 2025-10-21
OpenJDK Runtime Environment Temurin-17.0.17+18 (build 17.0.17+10)
OpenJDK 64-Bit Server VM Temurin-17.0.17+10 (build 17.0.17+10, mixed mode, sharing)
kyleklausen@yles-MacBook-Pro-3:~/csd-380% ~ %
```

- Include other display items such as field and recode descriptions, title, and overall data description.
- Data input will have a minimum of 5 fields.

**Assignment Requirements and Grading:**

- This assignment is due by **Sunday, 11:59 p.m. CST**.
- Add the necessary documentation as described in [Documentation Requirements](#).
- Capture screenshots, combined in a single Word document demonstrating you have correctly installed and configured Java, Jakarta, and Eclipse. Include your name, date, and assignment number.
- Submit your project files by clicking on the Assignment Link above, then scroll down to the Upload Files section and click on Browse Local Files. Select your assignment file(s), add any links as appropriate, push your documents to your online repository, add the URL to your GitHub repository in the comments area, then click on Submit.
  - [your\_last\_name]{module\_number}[course].zip
  - Example: darrell\_mod\_3\_csd430.zip
- This assignment is worth **50 Points**.
- To view or print the grading rubric for this assignment, click on the following link: [Programming Rubric](#)

## Module 4

Once you have submitted your assessments, click here to move on to the next module.

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Apache Tomcat/10.1.50

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### Apache Tomcat/10.1.50

If you're seeing this, you've successfully installed Tomcat. Congratulations!

Recommended Reading:

- [Security Considerations How-To](#)
- [Manager Application How-To](#)
- [Clustering/Session Replication How-To](#)

Server Status Manager App Host Manager

**Developer Quick Start**

<a href="#">Tomcat Setup</a>	<a href="#">Realms &amp; AAA</a>	<a href="#">Examples</a>	<a href="#">Servlet Specifications</a>
<a href="#">First Web Application</a>	<a href="#">JDBC DataSources</a>		<a href="#">Tomcat Versions</a>

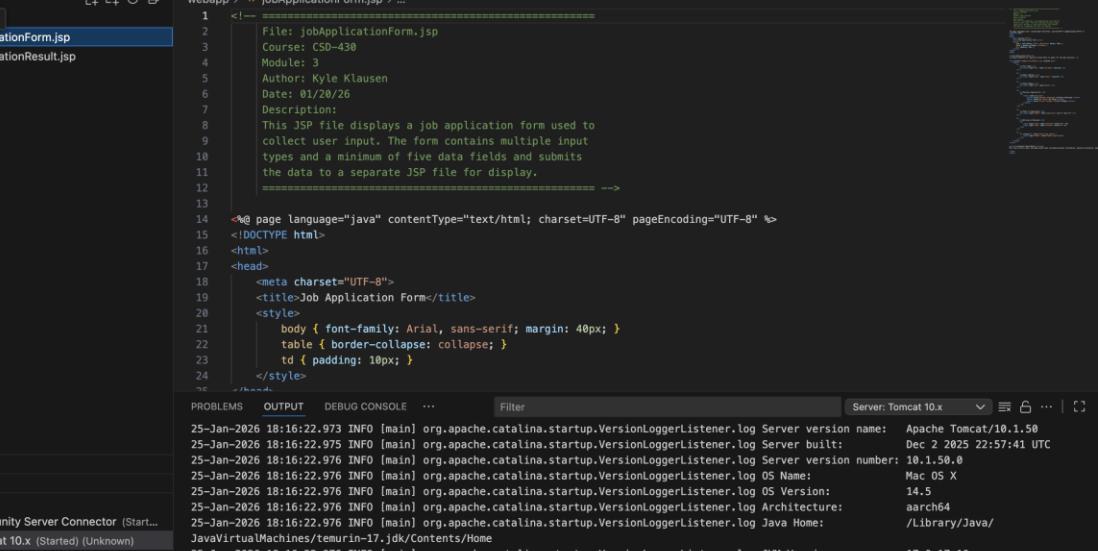
**Managing Tomcat**  
For security, access to the `manager_webapp` is restricted. Users are defined in:  
`$CATALINA_HOME/conf/tomcat-users.xml`  
In Tomcat 10.1 access to the manager application is split between different users.  
[Read more...](#)

**Release Notes**  
**Changelog**  
**Migration Guide**

**Documentation**  
[Tomcat 10.1 Documentation](#)  
[Tomcat 10.1 Configuration](#)  
[Tomcat Wiki](#)  
Find additional important configuration information in:  
`$CATALINA_HOME/RUNNING.txt`  
Developers may be interested in:  
[Tomcat 10.1 Bug Database](#)  
[Tomcat 10.1 JavaDocs](#)

**Getting Help**  
**FAQ and Mailing Lists**  
The following mailing lists are available:

<a href="#">tomcat-announce</a> Important announcements, releases, security vulnerability notifications. (Low volume).	<a href="#">tomcat-users</a> User support and discussion
<a href="#">taglibs-user</a> User support and discussion for Apache Taglibs	<a href="#">tomcat-dev</a> Development mailing list, including commit messages



```
<!-- File: jobApplicationForm.jsp -->
<!-- Course: CSO-430 -->
<!-- Module: 3 -->
<!-- Author: Kyle Klausen -->
<!-- Date: 01/20/26 -->
<!-- Description: -->
<!-- This JSP file displays a job application form used to -->
<!-- collect user input. The form contains multiple input -->
<!-- types and a minimum of five data fields and submits -->
<!-- the data to a separate JSP file for display. -->
-->

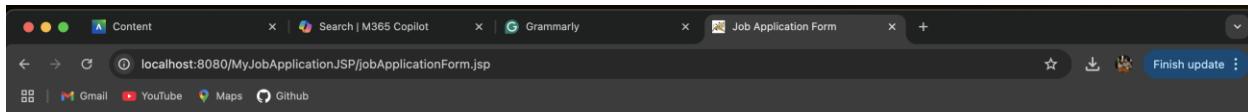
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Job Application Form</title>
    <style>
        body { font-family: Arial, sans-serif; margin: 40px; }
        table { border-collapse: collapse; }
        td { padding: 10px; }
    </style>
</head>
<body>
```

PROBLEMS OUTPUT DEBUG CONSOLE ... Filter Server: Tomcat 10.x

```
25-Jan-2026 18:16:22.973 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/10.1.50
25-Jan-2026 18:16:22.975 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built: Dec 2 2025 22:57:41 UTC
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version number: 10.1.50.0
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name: Mac OS X
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version: 14.5
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture: aarch64
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home: /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 17.0.1+10
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Eclipse Adoptium
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: /Users/kyleklausen/apache-tomcat-10.1.50
25-Jan-2026 18:16:22.976 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: /Users/kyleklausen/apache-tomcat-10.1.50
```

The screenshot shows a Java development environment with the following details:

- IDE Layout:** The left sidebar includes an Explorer view with a tree structure showing a project named "MODULE-3" containing "jobApplicationForm.jsp" and "jobApplicationResult.jsp". The "jobApplicationResult.jsp" file is currently selected and highlighted in blue.
- Code Editor:** The main area displays the content of "jobApplicationResult.jsp". The code is a JSP page that receives form data from "jobApplicationForm.jsp" and displays it in an HTML table using JSP Scriptlets. It includes meta-information, a title, and a CSS-style block for the table's appearance.
- Terminal/Terminal View:** A separate terminal window or tab at the bottom shows the Apache Tomcat startup logs. The logs indicate the server version (Apache Tomcat/10.1.50), the date and time of startup (25-Jan-2026 18:16:22), and various system properties like OS Name, OS Version, and Java Home. The logs also mention the Catalina base directory and the Eclipse Adoptium JVM vendor.



## Job Application Form

Please complete all required fields below to apply for the open position.

Full Name:

Email Address:

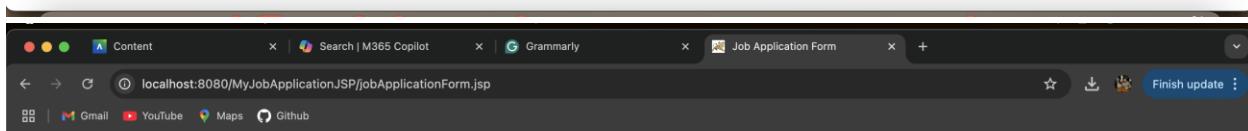
Phone Number:

Position Applied For:

Years of Experience:

Willing to Relocate:  Yes  No

**Overall Description:** This form collects basic job application data including personal information, position preference, experience level, and relocation availability. The data will be submitted to a separate JSP page for processing and display.



## Job Application Form

Please complete all required fields below to apply for the open position.

Full Name:

Email Address:

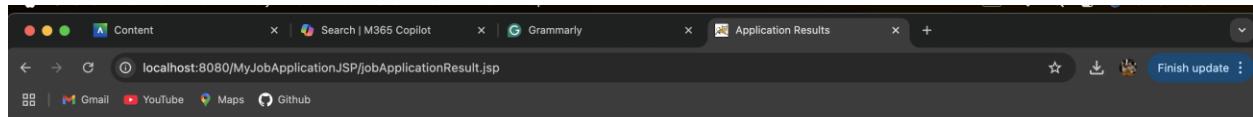
Phone Number:

Position Applied For:

Years of Experience:

Willing to Relocate:  Yes  No

**Overall Description:** This form collects basic job application data including personal information, position preference, experience level, and relocation availability. The data will be submitted to a separate JSP page for processing and display.



The following table displays the information entered on the job application form.

Field	Entered Value
Full Name	Kyle Klausen
Email Address	kyle.klausen@gmail.com
Phone Number	8138749324
Position Applied For	Software Developer
Years of Experience	2
Willing to Relocate	Yes

**Overall Description:** This table displays all job application data submitted through the JSP form. The page demonstrates how user input can be collected, processed with JSP Scriptlets, and dynamically displayed in an HTML table.

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