Implémentation et déploiement d'une Servlet Java sur le Web Server Apache Tomcat

Nom: Mona EL HAJJ CHEHADE

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Cours: 020ENDES4 - Applications Distribuées

Software and Versions Used:

Apache Tomcat: Version 9.0.98

Java: Version 23 (JDK 23)

Operating System: Windows 11

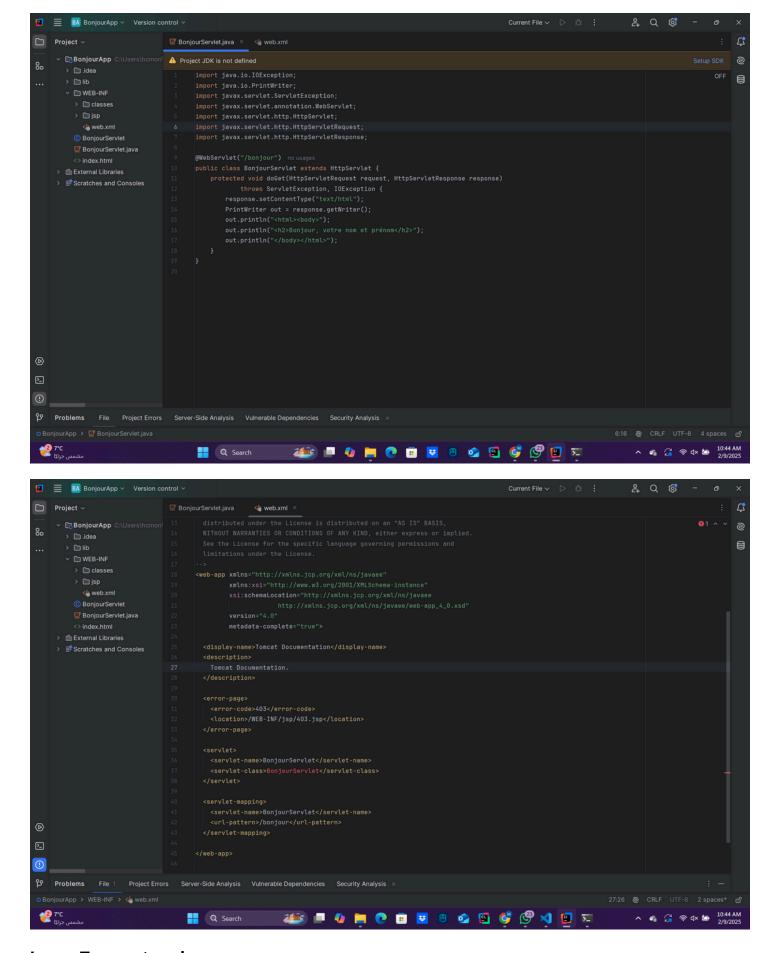
IntelliJ IDEA Ultimate: Latest version used for code development and compilation

Objective:

The goal of this assignment was to implement and deploy a simple servlet (BonjourServlet) in a web application (BonjourApp) using Apache Tomcat.

Setup and Configuration:

- I created a BonjourServlet.java file with the necessary servlet code to display a "Hello" message.
- The servlet was mapped in the web.xml file under the WEB-INF directory of the BonjourApp web application.



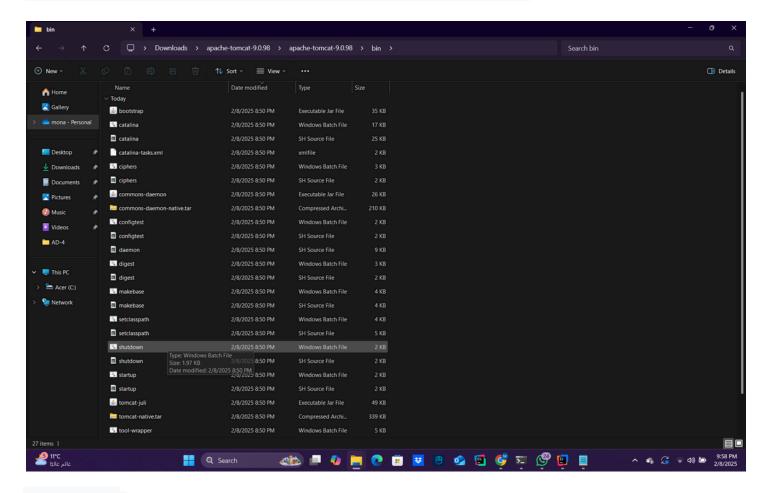
Issue Encountered:

• Initially, when accessing the servlet through http://localhost:8080/BonjourApp/bonjour, I encountered an error where Tomcat could not resolve the BonjourServlet class.

Resolution:

- After troubleshooting, I ensured that the compiled BonjourServlet.class file was placed in the correct directory:
 - C:\tomcat\webapps\BonjourApp\WEB-INF\classes (or /opt/tomcat/webapps/BonjourApp/WEB-INF/classes for Linux).
- I also checked that the servlet's fully qualified class name was correctly defined in the web.xml file.

nous avons placer le fichier BonjourServlet.class dans le repertoire C:\Users\hcmon\Downloads\apachetomcat-9.0.98\apache-tomcat-9.0.98\webapps\BonjourApp\WEB-INF\classes



Verification:

- I restarted the Tomcat server, both shutting it down and starting it again using shutdown.bat and startup.bat on Windows.
- After the restart, I successfully accessed the servlet via http://localhost:8080/BonjourApp/bonjour and saw the expected "Hello" message.



Bonjour, Rima Kilany Chamoun



Conclusion:

• The servlet was successfully configured and deployed.

Files Structure:

C:\tomcat\webapps\BonjourApp\

index.html (Accueil page)

| |--- classes/

☐ ☐ BonjourServlet.class (Compiled servlet)

☐ Iib/ (Optional additional libraries)