SIT 218/738: Secure coding

**Credit task 2.3C: Security configurations of Tomcat server**

**Overview**

According to OWSAP plain text passwords are part of the misconfigurations (<https://owasp.org/Top10/A05_2021-Security_Misconfiguration/>) and failures in authentication <https://owasp.org/Top10/A07_2021-Identification_and_Authentication_Failures/>. The default installation of Tomcat comes with a clear text password in the tomcat-users file for the admin user. This is clearly a security misconfiguration.

A picture containing text, screenshot, font

Description automatically generated

You task is to replace this clear text password with an updated hashed password and show that you can login to the tomcat administration page with the updated password.

Please do your own research and try to collect as much information as possible. When you use information from other sources, remember to cite them, else it will be considered as plagiarism. You CAN NOT do direct copy paste even if you provide proper in-text citations and bibliographic references at the end.

**Submission Requirements:**

Submit one PDF file with your explanation of security principles and a real-world example of its violation. The submission should include:

1. Show all the steps and configuration changes made to achieve this task.
2. Screenshot the correct logging of tomcat admin user with the new updated password.