Handling User Authentication

Project objective:

Set up a standalone project to do unit testing of the user authentication class which is used in the main web application. The objective is to create a JUnit class that will test all aspects of the authentication class.

A test-suite is being created to do unit testing of all backend components in the web application. This project will test the user authentication class. This project will be a standalone Java application, since Junit does not directly test servlets or web pages. We are only testing the classes that have the business logic.

The following is used:

● Eclipse as the IDE
● Apache Tomcat as the web server
● Junit 5

The following requirements are met:

● Created a standalone Java application using Maven.
● Created an authentication class that has all the methods related to user authentication.
● Create a JUnit test class to create unit tests for the authentication class.
● Run the test class directly as a JUnit and check if all the tests pass.