**Write up For Handling User Authentication Project.**

**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.

**Problem statement:**

As a part of developing an ecommerce web application, 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.

**You must use the following:**

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

**Following requirements should be met:**

● Create a standalone Java application using Maven  
● Create 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  
● Document the step-by-step process involved in completing this task