# Project Name: Handling User Authentication.

## GitHub Link:

## <https://github.com/tamasjit/myjavaproject/tree/master/Phase%203/Phase-3_Practice_Project/q3_Authentication>

## Project Description and 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.

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.

### Steps:

* 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

### Technology Used:

* Backend - Advance Java
* DATABASE - Hibernate, JPA, MySQL JDBC
* Framework - SPRINGBOOT and Spring MVC
* Application Server - Tomcat 9.0 Local server / Spring Tool Suite 4.

## Execution:

Run the AuthenticationApplication.java file in spring boot application.