**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.

**Step-By-Step Process**

1. Created an Authentication class where username and password are checked against given username and password. If it’s true, the true is returned, else false is returned.
2. In the UserAuthentication class, an object of the Authentication class is made.
3. Then two test cases are used using two true values and two false values. These test cases are then used to pass these values and authenticate them in the Authentication class.