Handling User Authentication SourceCode

AuthenticationUser.java

```java
package com.simplilearn.userAuthentication;


public class AuthenticationUser {



        public String username()
        {
                String email = "thealex@gmail.com";
                return email;
        }


        public String paswd()
        {
                String password = "helloiamalex";
                return password;
        }

}
```

AuthTest.java

```java
package com.simplilearn.userAuthentication;


import static org.junit.jupiter.api.Assertions.assertEquals;
import static org.junit.jupiter.api.Assertions.assertNotNull;


import java.util.regex.Matcher;
import java.util.regex.Pattern;


import org.junit.jupiter.api.AfterEach;
import org.junit.jupiter.api.BeforeEach;
```

```java
import org.junit.jupiter.api.Test;

public class AuthTest {

        private AuthenticationUser authU;

        @BeforeEach
        public void setup() {
                authU= new AuthenticationUser();
                System.out.println("Authentication User main class inititated");
        }

        @AfterEach
        public void tearDown() {
                authU=null;
                System.out.println("Class Closed");
        }

        @Test
        public void checkUser() {
                assertEquals("thealex@gmail.com", authU.username());
        }
        @Test
        public void checkUserNull()
        {
                assertNotNull(authU.username());
        }

        @Test
        public void checkPass() {
                assertEquals("helloiamalex", authU.paswd());
        }

        @Test
```

```java
public void checkPassNull()
{
        assertNotNull(authU.paswd());
}


@Test
public void checkUserRegx()
{
        String email = authU.username();
        String regex = "^(.+)@(.+)$";


        Pattern pattern = Pattern.compile(regex);
        Matcher matcher = pattern.matcher(email);
        assertEquals(true, matcher.matches());
}


}
```