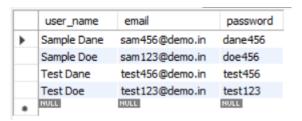
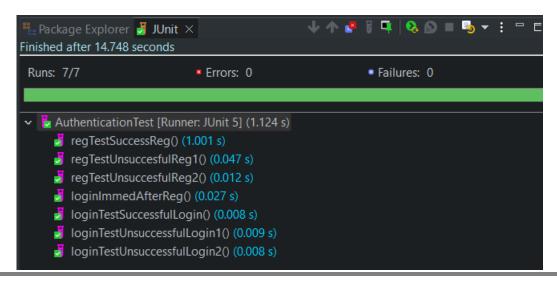
Handling User Authentication

Screenshots

Initial UserEntity (user_entity table) with User Details in the database



JUnit



Console when the Test Class is run

```
AuthenticationTest in 11.831 seconds (JVM running for 16.032)

Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=?

Hibernate: select userentity0_user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity0_user_name as user_nam1_0_0_, userentity0_.email as email2_0_0_, userentity0_.password as password3_0_0_ from user_entity user_name as user_nam1_0_0_, userentity0_.email as email2_0_0_, userentity0_.password as password3_0_0_ from user_entity userentity0_ where userentity0_.user_name=?

Hibernate: insert into user_entity (email, password, user_name) values (?, ?, ?)

Inside reqTestSuccessReq().
  Inside regTestSuccessReg().
 This test has new user registration with unused email ID and username
Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=?
Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.email=?
Inside regTestUnsuccesfulReg1().
 This test checks user registration with already used email ID and user registration doesn't occur
Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=?
Inside regTestUnsuccesfulReg2().
This test checks user registration with already used email ID and user
 Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=? and userentity0_.password=? Inside loginImmedAfterReg().
  Credentials are correct and Successful User login.
Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=? and userentity0_.password=? Inside loginTestSuccessfulLogin().
Credentials are correct and Successful User login.
Hibernate: select userentity0_.user_name as user_naml_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=? and userentity0_.password=?
Inside loginTestUnsuccessfulLogin1().
Username and Password are incorrect and User not logged in.
Hibernate: select userentity0_.user_name as user_nam1_0_, userentity0_.email as email2_0_, userentity0_.password as password3_0_ from user_entity userentity0_ where userentity0_.user_name=? and userentity0_.password=? Inside loginTestUnsuccessfulLogin1().
Username is valid but incorrect password and User not logged in.
```

UserEntity (user_entity table) with User Details in the database after Successful Registration through Test Class

: HikariPool-1 - Shutdown

2023-06-17 15:05:52.675 INFO 11828 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default' 2023-06-17 15:05:52.681 INFO 11828 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1

initiated...
2023-06-17 15:05:52.710 INFO 11828 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource

Ending test methods.

	user name	email	password
	user_name	emaii	password
•	Random Me	random1@demo.in	leo 123
	Sample Dane	sam456@demo.in	dane456
	Sample Doe	sam123@demo.in	doe456
	Test Dane	test456@demo.in	test456
	Test Doe	test123@demo.in	test123
	NULL	NULL	NULL