

# STEPS FOR PROJECT EXECUTION

- STEP 1:** Initially the Execution of the project is performed by SIGN UP, where the Username and the Password is provided by the user for registration.
- STEP 2:** Once the process of SIGN UP is completed the Username and Password is converted to Raw Data by using MD5 algorithm.
- STEP 2.1:** The 16bit Alpha numerical value is stored in the database.
- STEP 3:** Each and every time during the process of SIGN IN the username and password is again checked with the 16bit value which is already stored.
- STEP 4:** If both the username and the password matches only then it provides Authentication to the user.
- STEP 5:** After getting the Authentication, the user enters the values. Incase if the user enters the Hard Tautological DML Queries, Then it evaluates it using the Concept of Bind Variable. There by Eradicating the SQL code injection.
- STEP5.1:** Once after the completion of providing the Query, The system uses the DBMS\_ASSERT PACKAGE which Checks the value entered, word by word and thereby reducing the problem of Function call Injection.
- STEP 6:** In case of providing the values encoding Queries which may cause damage to the security of the database. This has been eradicated by using the Concept of Wrapping.
- STEP 7:** After the completion of the purchase in the online Shopping portal. They have to sign out.