Testing Process Flow:

1. Unit Testing
2. Module Integration Testing
3. Functional Testing
4. System(s) Testing
5. Load/Stress Testing
6. UAT Testing
7. Regression Testing

Development → Test → Production
Definitions:

Unit Test - testing normally performed by a programmer or developer to verify particular code modules function in accordance with requirements. Unit testing is the most 'micro' scale of testing.

Module Integration Testing - testing of combined units of a module to determine if they function together correctly. This testing is generally performed by a programmer in preparation for delivery to QA.

Functional Testing - process of individually testing all of the functions and features of a product to ensure that it meets the written specifications. Functional testing can also include functional completeness, usability, WC3, Bobby, ADA, and 508 compliance testing. This testing is normally performed by a software tester.

System Integration Testing - testing based on high level functional specifications that encompasses all combined parts of a system or systems including software, hardware, environment, architecture, and security. This testing is normally performed by a software tester.

Load / Stress Testing - process of simulating high user volume, significant system activity, or heavy repetition of actions or inputs against a product to determine at what point the system's response time or performance degrades or system failure occurs. This testing is normally performed by a software tester often with the help of a software load tool.

User Acceptance Testing (UAT) - testing of the software to determine if software performs satisfactorily to end user. This testing is normally performed by the ultimate end user of the software.

Regression Testing - re-testing all or portions of a product solution to detect defects introduced during modification of the product’s code (change control), environment or platform. This testing is normally performed by a software tester often with the help of an automated testing tool.