Minimally the **Definition of Done** for this stage must include the following for each Feature/Story to be developed:

- Test cases have been executed.
- Acceptance criteria have passed with the exception of any having associated defects that have been deferred to some future date.
- Test execution documentation/evidence capture has been completed.

- **Production Deployment Test –**
  This stage required the execution of system functions after the application baseline is migrated to the Production environment. The focus of the stage is to ensure that the correct version of the application, as tested in the other test environments, was deployed into the Production environment and that the application baseline is ready for operations.

  Minimally the **Definition of Done** for this stage must include:
  - Shakeout complete without error.

b. Test Types (in no particular order):

- **Unit Testing –**
  Unit testing is a level of software testing where individual units/components of software are tested. A Unit is the smallest testable part of any software. A unit may be an individual program, function, procedure, etc.

- **Integration Testing –**
  Integration testing is a level of software testing where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units. It occurs after Unit testing

- **Functional Testing –**
  Functional Testing focuses on the capability(ies) that a system is expected to have (i.e. what it does) where the inputs/conditions of the tests are expected (Positive) and unexpected (Negative). This type of testing can be further broken down into the following types:
  - **Partition based** – testing segments of input or output where the behavior of a component/system is assumed to be the same. The technique requires that we need test only one condition from each partition since we assume that all conditions in the partition will be treated the same way.
  - **Boundary tests** – testing the minimum or maximum value for a range as well as invalid values
  - **Decision Table ("Cause-Effect") tests** – executing combinations of inputs and their expected outcomes.
  - **State Transition tests** – exercising aspects of the system where you get different output for the same input depending on what has happened before.
  - **User Case testing** – exercising the whole system on a transaction by transaction basis from start to finish.

- **Non-functional Testing –**