**Defect Life Cycle**

1. Defect: Actual result deviates from the expected result while testing a software application or product then it results into a defect.
2. Tester finds a defect and posts it the developer. This defect is yet to be studied/approved in analyse part. The fate of a defect is one of REJECTED, ASSIGNED and DEFERRED.
3. Assigned: Test lead studies the defect and if it is found to be valid it is assigned to a member of the Development Team. The assigned Developer’s responsibility is now to fix the defect and have it COMPLETED.
4. DEFERRED: If a valid ASSIGNED defect is decided to be fixed in upcoming releases instead of the current release it is DEFERRED. This defect is ASSIGNED when the time comes.
5. BY-DESIGN: If a valid Assigned defect is decided to be fixed if it is necessary for the client. This defect is assigned when the CR (Change Request) comes from the client.
6. DROPPED / REJECTED: Test lead studies the defect and if it is found to be invalid, it is DROPPED / REJECTED. Note that the specific reason for this action needs to be given.
7. COMPLETED / FIXED / RESOLVED / TEST: Developer ‘fixes’ the defect that is ASSIGNED to him or her. Now, the ‘fixed’ defect needs to be verified by the Test Team and the Development Team ‘assigns’ the defect back to the Test Team. A COMPLETED defect is either CLOSED, if fine, or REASSIGNED, if still not fine.
8. REOPENED: If the Tester finds that the ‘fixed’ defect is in fact not fixed or only partially fixed, it is reassigned to the Developer who ‘fixed’ it. A REASSIGNED defect needs to be COMPLETED again
9. CLOSED / VERIFIED: If the Tester / Test Lead finds that the defect is indeed fixed and is no more of any concern, it is CLOSED / VERIFIED.

Priority:

**Priority signifies the importance or urgency of fixing a defect**

**1.Critical 2. High 3. Medium 4. Low**

**Severity:**

**Severity defines the extent to which a particular defect could create an impact on the application or system.**

1. **Critical 2. Major 3. Moderate 4. Low**

**The user performs adding an item to the cart, the number of quantities added is incorrect/wrong product gets added**

1. **High priority, high severity**
2. **High priority, low severity**
3. **High Severity, low priority**
4. **Low severity, low priority**
5. The system crashes after you made the payment or when you are not able to add the items to the Cart, this defect is marked as High Severity and High Priority defect.
6. The logo of the company in the front-page is wrong, it is considered to be High Priority and Low severity defect.
7. In a social networking site, if a beta version of a new feature is released with not many active users using that facility as of today. Any defect found on this feature can be classified as a Low priority as the feature takes back seat due to business classification as not important.
8. Any spelling mistakes, font size, misalignment in the paragraph of the application and not in the main or front page/ title.