

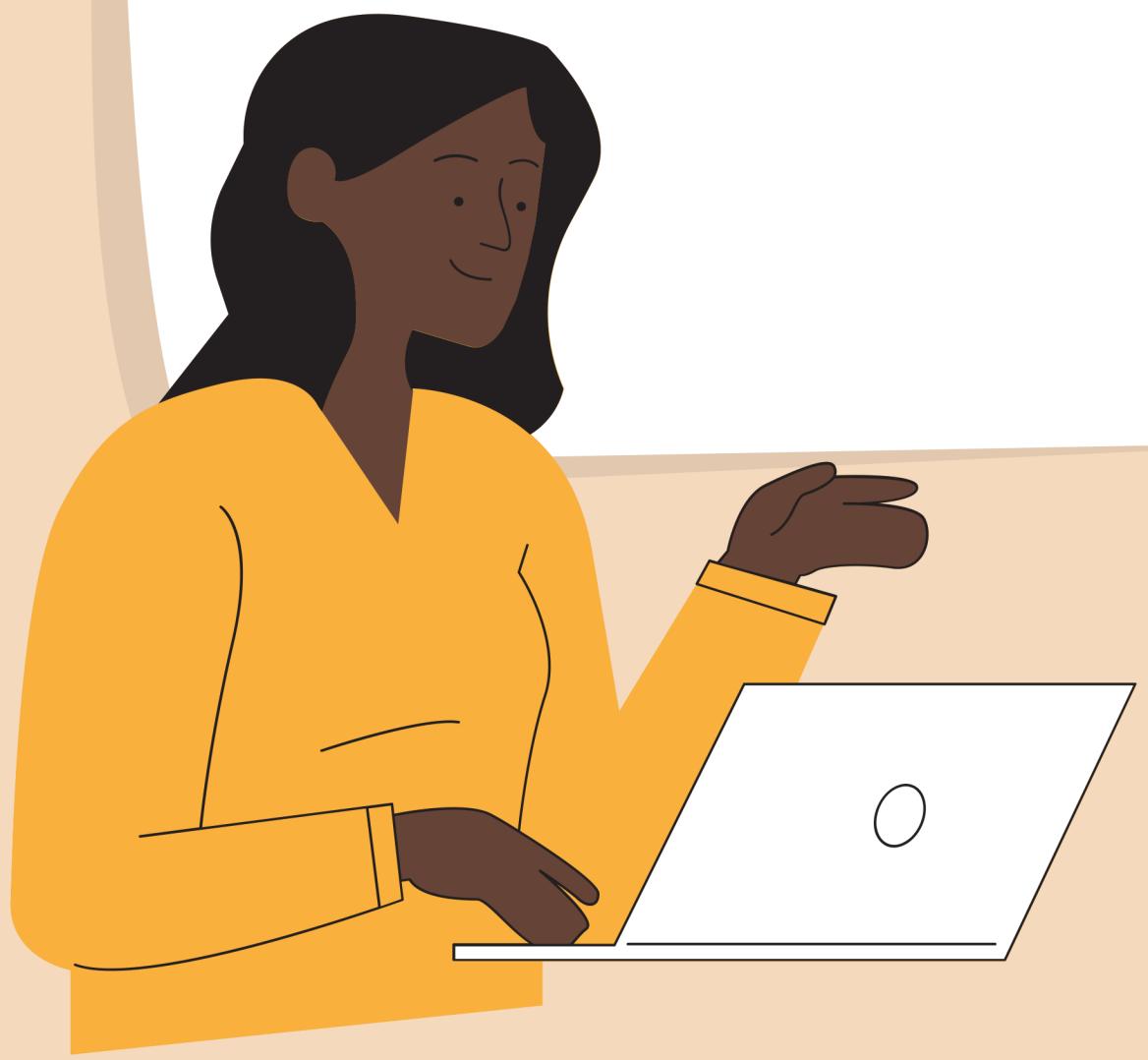


# **DEFECT / BUG**

# **LIFECYCLE**

# **EXPLAINED**

# WHAT TO EXPECT



- 1 Defects or Bugs
- 2 Term will be referring in this course
- 3 Practical Example with a Test
- 4 Lifecycle of a Defect
- 5 Defect Tracking Softwares

**During Software testing it is common to encounter situations / tests which do not match the expected result. These deviations need to be documented & reported back to dev / business teams for review & ultimately fix the deviations.**



# Defect or Bug ?

Bug - Usually bugs are a result of programming errors.

Defect - Defects are deviations from the requirements.

However it is extremely common in testing teams to call the deviations Bugs or Defects ( Don't get surprised )



# **Term will be referring in this course**

Bug - Programming Errors

Defect - Requirement Deviations





EXAMPLE

Requirement R1 :

- a. Addition of 2 numbers should result in a correct numerical answer

Testcase T1 covering Requirement R1 :

- a. Validate  $2 + 2$

Expected Output :

## **Link to the Defect Example -**

[https://qacurry.com/software\\_testing\\_course/bugsAndDefects/defect/question.php](https://qacurry.com/software_testing_course/bugsAndDefects/defect/question.php)

Here the answer expected is 4 but instead of integer the application has been returning  
a string / alphabetical value



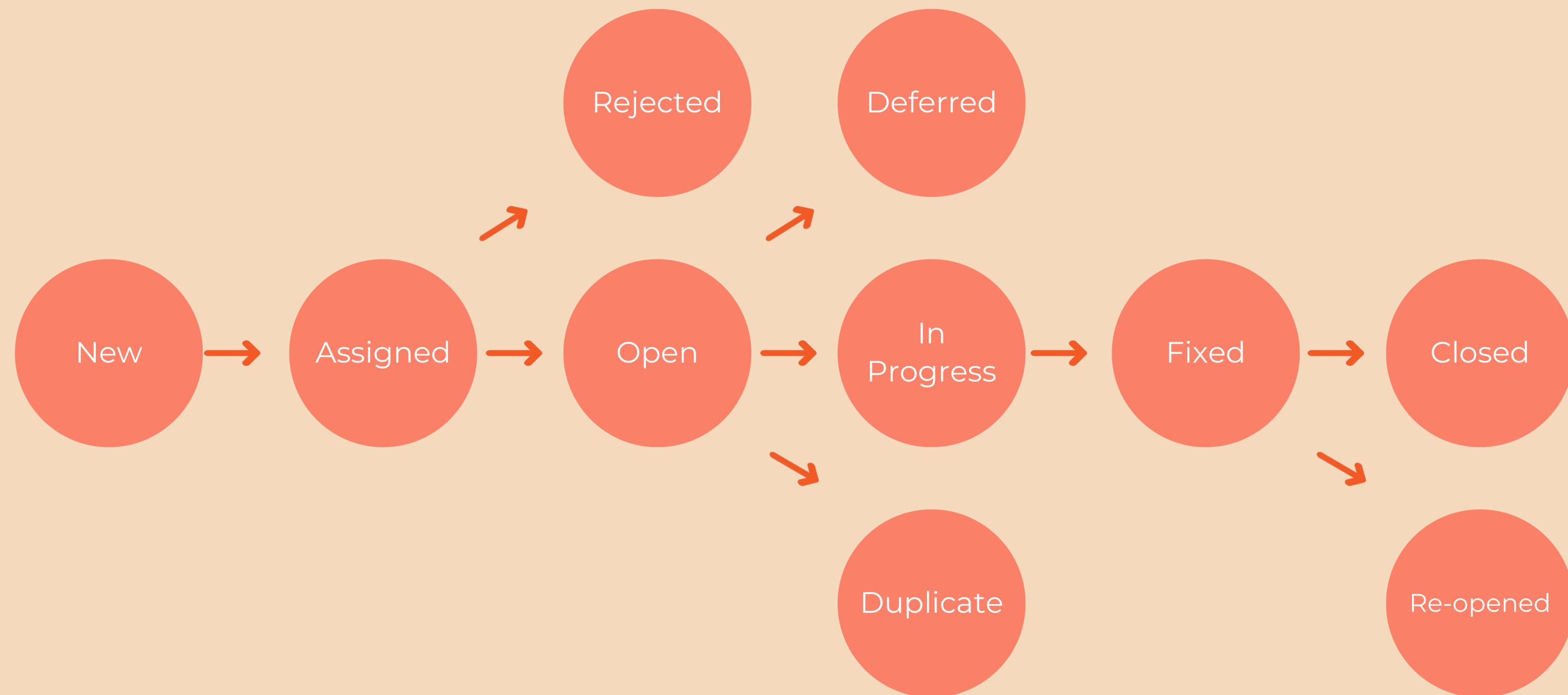
## **Link to the Bug Example -**

[https://qacurry.com/software\\_testing\\_course/bugsAndDefects/bug/question.php](https://qacurry.com/software_testing_course/bugsAndDefects/bug/question.php)

Here the answer expected is 4 but due to programming error it is returning as 5

| Step | Defect Status  | Defect Status                      |
|------|--|------------------------------------|
| 1    | Tester executes a test                                     | None                               |
| 2    | Test fails & a defect / bug is discovered                  | New                                |
| 3    | Defect is assigned to relevant team                        | Assigned                           |
| 4    | Project Manager / Solutions Architect validates the defect | Open   Rejected                    |
| 5    | Defect is moved to development team                        | In Progress   Deferred   Duplicate |
| 6    | Development Team fixes the defect                          | Fixed                              |
| 7    | Testing team re-tests the defect                           | Closed   Re-opened                 |

# Defect Lifecycle



# Defect Tracking Softwares

## Software

Excel

Zephyr

Jira

## Company

Microsoft

SmartBear

Atlassian



& Many More



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**See you in Next Video**

