Defect Report

Need of Defect Report:

After uncovering a defect (bug), testers generate a formal defect report. The purpose of a defect report is to state the problem as clearly as possible so that developers can replicate the defect easily and fix it. It emphasize on continuous improvement.

Definition:

The **defect report** is the most effective manner of communicating, tracking, and explaining **defects** to managers and development staff.

DEFECT REPORT TEMPLATE

In most companies, a defect reporting tool is used and the elements of a report can vary. However, in general, a defect report can consist of the following elements.

Project Name	Project name.
Project Id	Unique identifier given to the project.
Defect ID	Unique identifier given to the defect. (Usually Automated)
Module Name	Specific module of the product where the defect was detected.
Defect Summary	Summary of the defect. Keep this clear and concise.
Defect Description	Detailed description of the defect. Describe as much as possible but without repeating anything or using complex words. Keep it simple but comprehensive.
Detected in Browser	The name of the browser the defect was found in (IE, Firefox, etc.)
Defect Severity	Severity of the Defect. Impact of the defect on functionality of application.(P0,P1,P2,P3,High,Medium,Low)
Defect Priority	Priority of the Defect. (High,Medium,Low)
Detected in Release (Version)	Release version of the product. (e.g. 1.2.3)
Reported Date	The date on which the defect was reported
Reported By	The name of the person who reported the defect.
Assigned To	The name of the person that is assigned to analyze/fix the defect.
Status	The status of the defect. (Open, closed, reopened etc.)
Fixed By	Name of the person who fixed the defect

Fixed Date	Date on which the defect was fixed
Verified Date	Date on which the defect was verified
Verified By	Name of the person who will be verifying whether the defect has got fixed after the defect is being worked upon.
Verified in Release #	Denotes the Release # in which the defect was verified
Verified in Build #	Denotes the Build # in which the defect was verified
Attachments	Attach any additional information like screenshots and logs.

Who are the users of Defect report?

- **Management:**

    Management will be benefited by the defect report to know the status of the Defects, to analyze the performance of the teams to know the risks are involved in the application and to take effective follow-up.

- **Maintenance Team lead:**

    With the help of defect report Maintenance Team leads can allocate the Defect to the appropriate team member as soon as possible. They can effectively prioritize defect for fixing and to accurately take corrective and preventive actions for future developments.

- **Maintenance Engineer:**

    With the help of defect report Maintenance Engineer can identify the application version and quickly get to the root cause. Defect report helps to know the reproducibility and environment/situation of reproducibility.

- **Testing Team Lead:**

    With the help of defect report Testing Team Lead will plan for retesting efforts e.g. Tentative dates when defects are expected to be fixed. They can analyze quality of defect reporting process, can increase accuracy on future estimates and performance of the testers can be monitored.