**What is DSR?**

DSR, in the context of software testing, stands for "Defect Status Report." It is a crucial document that tracks and communicates the current status of defects or issues identified during the software testing phase in a development project.

**Components of DSR**

1. Defect ID: A unique identifier for each reported defect.
2. Status: The current state of the defect (e.g., open, in progress, resolved, closed).
3. Severity: The level of impact the defect has on the software's functionality.
4. Priority: The order in which the defect should be addressed based on its importance.
5. Description: A detailed description of the defect, including steps to reproduce and relevant environment details.
6. Assigned To: The individual or team responsible for addressing and resolving the defect.
7. Date Reported: The date when the defect was initially identified and reported.
8. Date Resolved: The date when the defect was successfully addressed and resolved.
9. Comments/Notes: Additional information or comments related to the defect.

**Purpose of DSR**

The Defect Status Report serves several purposes in the software testing process:

1. Communication: Provides a clear and concise way to communicate the status of defects to stakeholders, including developers, testers, and project managers.
2. Tracking: Enables the tracking of defect resolution progress over time, helping teams manage and prioritize their efforts effectively.
3. Decision Making: Aids in decision-making processes by highlighting critical defects and assisting in the allocation of resources based on defect severity and priority.

**Importance of DSR**

Project Visibility: Enhances transparency by keeping all team members and stakeholders informed about the status of defects throughout the testing phase.

Quality Assurance: Facilitates the continuous improvement of software quality by identifying and addressing defects promptly.