

# DMDD Project Summary

## Database for Bug Tracking

A bug tracking tool is used to record and track bugs in the software by all the members of the team.

Bug tracking is important in software engineering as complex software systems typically have hundreds or thousands of defects. Managing, evaluating and prioritizing these bugs is a difficult task when done manually. When the number of defects increases over a period, it is difficult to manage this data in Excel sheets. Thus, an efficient database system could be designed to manage the defect lifecycle.

Also, when the product goes live it is important to have the bug's history so that if the similar or same bug arises, we can track the issue easily. So, a consistent database is required to preserve the data in many forms and which we can use anywhere and maybe after ages.

The database should be designed to store large data, that interacts with applications to manage and analyze the data. Triggers, Procedures and UDF can be used to perform the operations on the database which increases the efficiency and security of the database.