# Project Proposal: Bug tracker

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| **Background** |  |
| Problem | Managing and tracking software defects and issues in a systematic and organized way can be challenging for development teams. |
| Motivation | Develop a user-friendly bug tracking system that allows development teams to efficiently report, track, and manage software issues. |
| Solution | Create a C++/Qt application with an SQL database backend to store and manage bug reports. Implement features for creating, updating, and assigning issues, as well as generating reports. |
| Expected Outcome | A robust bug tracking system that simplifies issue management and enhances software development processes. |

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| **Timeline** |  |
| Week 1-2 | Design the class diagrams (UML), database schema (UML), and UI wireframes (Figma). |
| week 3-4 | Implement the core bug management features, including creating, updating, and assigning issues. |
| week 5-6 | Develop user authentication and access control for different roles. |
| week 7-8 | Implement automated issue notifications, then test and bug fix. |

***GitHub Repository:*** [Link to GitHub Repository](github.com/JoshMcCPro.BugTracker)

***Presentation Video:*** Google Drive Presentation Video