

# **SALESFORCE DEVELOPER**

**PROJECT TITLE : WORKFORCE ADMINISTRATION SOLUTION**

**TEAM ID : NM2023TMID0250**

## **TEAM MEMBERS**

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## **PROJECT DEVELOPMENT PHASE :**

### **DEBUGGING & TRACEABILITY**

Logging and Debugging:

**Logging Framework:** Implement a robust logging framework that records relevant system events, errors, and user interactions. Include various log levels (e.g., debug, info, warning, error) for different types of information.

**Error Handling:** Implement structured error handling mechanisms to catch and log errors, providing meaningful error messages and stack traces. Ensure that error logs are easily accessible and comprehensible.

**Debugging Tools:** Use debugging tools provided by your development environment, such as integrated development environments (IDEs) and debugging consoles, to inspect variables, step through code, and diagnose issues during development and testing.

**Remote Debugging:** Enable remote debugging capabilities to troubleshoot issues in production or staging environments without disrupting users.

Traceability:

**Version Control:** Utilize version control systems like Git to track changes to your codebase. Each code change should be associated with a specific issue or feature request, creating a traceable history of code modifications.

**Issue Tracking:** Use an issue tracking system (e.g., JIRA, Trello, or GitHub Issues) to manage and track tasks, bug reports, and feature requests. Each issue should be linked to the code changes that address it.

**Change Management:** Implement a formal change management process that includes documenting the reasons for code changes, the associated risks, and the individuals responsible for approval and implementation.

**Code Review:** Conduct code reviews with traceable feedback. Ensure that code reviews are documented and that any required revisions are tracked until completion.

**Audit Trails:** Maintain audit trails for important actions within the workforce administration system. This includes user actions, data modifications, and access control changes. Audit logs should be tamper-evident and accessible for review.