TRAINING TR-102 REPORT DAY 17

Overview:

The seventeenth day of the training focused on GIT (Version Control System) which follows Agile methodologies. Participants learned about the integration of GIT with both GIT Bash and Visual Studio (VS) Studio. The main commands covered were PUSH, PULL, MERGE, and BRANCH. Merge conflicts, which are unavoidable at the beginner level, were also addressed.

Topics Covered

GIT and Agile Methodology

☐ Introduction to GIT as a version control system that complements Agile practices.

☐ Options for integrating GIT with GIT Bash and VS Studio.

Main GIT Commands

☐ **PUSH:** Upload local repository content to a remote repository.

☐ **PULL:** Fetch and merge changes from a remote repository to a local repository.

☐ **MERGE:** Combine multiple sequences of commits into one unified history.

☐ **BRANCH:** Create branches to develop features, fix bugs, or experiment without affecting the main codebase.

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Merge Conflicts

☐ Common at the beginner level.

☐ Strategies for resolving conflicts.

Implementation of GitHub and GitLab

Discussion on the use of GitHub and GitLab for version control.

Task Management Tools

Introduction to Trello and JIRA for managing tasks and workflows.

Conclusion

On the seventeenth day of training, participants explored GIT, a version control system integral to Agile methodologies, and learned to integrate it with GIT Bash and Visual Studio. Key GIT commands, including PUSH, PULL, MERGE, and BRANCH, were covered, with a focus on handling merge conflicts. Additionally, the session addressed the use of GitHub and GitLab for version control and introduced task management tools like Trello and JIRA to streamline workflows. These skills are crucial for effective version control and project management in Agile development environments.

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