AUTOMATING VBA MACRO DOCUMENTATION AND TRANSFORMATION

Objective: The goal is to develop a solution that automates the documentation and understanding of legacy VBA macros used in critical processes across DFIN, facilitating their transformation into modern technologies and IT platforms.

Requirements:

- Macro Analysis Tool: Develop or procure a platform that can analyze VBA macros, extracting and documenting the logic, data flow, and process flow automatically.
- Technology Integration: Utilize advanced technologies such as GenAI and Machine Learning to interpret the VBA code and generate comprehensive documentation.
- User-Friendly Interface: Provide an intuitive interface for end-users to input macro-contained Excel files and receive detailed analysis.
- Reliability and Accuracy: Ensure the platform produces reliable and accurate documentation to support the seamless transformation of legacy tools.

Expected Outcome: The desired outcome is a prototype of a macro analysis tool that can effectively document and explain the logic behind VBA macros, enabling the transition to more modern, efficient solutions. The tool should demonstrate its capability to enhance understanding and transformation of legacy systems through automated documentation.

Deliverables:

- Demonstration: A live demonstration of the macro analysis tool, showcasing its ability to document and explain VBA macro logic accurately.
- Documentation: Detailed documentation covering the platform's architecture, analysis algorithms, and user interface design.
- Presentation: A presentation summarizing the problem addressed, the developed solution, and its potential impact on modernizing and documenting legacy VBA macros.
- Git Repository: Submit your codebase on a Git repository with all the necessary permission.