**Project Report**

**File/Folder Protection Software**

**Project Overview:**

The File/Folder Protection Software is designed to convert files or folders into a Control Panel format for protection and restoration. This project aims to provide users with a simple tool to safeguard their sensitive data by converting it into a format that is not easily accessible.

**Features:**

File/Folder Protection: Users can protect their files or folders by converting them into a Control Panel format.

File/Folder Restoration: Users can restore their protected files or folders back to their original state.

**Implementation:**

The software is implemented in C++ and utilizes file handling and system commands for file manipulation. It provides a simple command-line interface for users to interact with.

**Functionality:**

Protect Folder/File:

Users specify the path of the file or folder they want to protect.

They are prompted to enter a new name for the protected file or folder.

The software converts the file or folder into a Control Panel format for protection.

Unprotect Folder/File:

Users specify the path of the protected file or folder they want to restore.

They are prompted to enter a new name for the restored file or folder.

The software restores the protected file or folder back to its original state.

**Limitations:**

Platform Dependency: The software heavily relies on system commands, which may limit its compatibility with different operating systems.

Security Concerns: While the software provides a level of protection, it may not be suitable for highly sensitive data as it utilizes relatively simple techniques for file manipulation.

**Future Enhancements:**

Improved Security: Implement stronger encryption techniques for file protection.

Cross-Platform Compatibility: Enhance the software to support multiple operating systems.

Graphical User Interface (GUI): Develop a user-friendly GUI for easier interaction.

**Conclusion:**

The File/Folder Protection Software provides a basic solution for protecting sensitive files or folders. While it has its limitations, it serves as a starting point for further enhancements in terms of security and usability.