

# Coding Style

## Philosophy

1. If it's inserting something into the existing classes/functions, try to follow the existing style as closely as possible.
2. If it's brand new code or refactoring a complete class or area of the code, please follow as Modern C++ of a style as you can and reference the C++ Core Guidelines as much as you possibly can.
3. When working with any Win32 or NT API, please try to use the Windows Implementation Library smart pointers and result handlers.
4. The use of NTSTATUS as a result code is discouraged, HRESULT or exceptions are preferred. Functions should not return a status code if they would always return a successful status code. Any function that returns a status code should be marked **noexcept** and have the **nodiscard** attribute.
5. When contributing code in **TerminalApp**, be mindful to appropriately use C++/WinRT strong and weak references, and have a good understanding of C++/WinRT concurrency schemes.