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Introduction to Restful-APIs

Win32 API's

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What is Win32 API?

- The Win32 API (Application Programming Interface) is a core set of Microsoft Windows operating system interfaces that programmers use to build software applications.
- This API interacts directly with the underlying Windows OS to handle tasks like creating and managing windows, handling user input (like keyboard and mouse events), drawing graphics, and managing files and processes.

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The Win32 API is divided into several libraries:

- **User32.dll**: Manages the standard graphical user interface elements, such as windows, dialogs, and menus.
- **Gdi32.dll**: Handles tasks related to graphics drawing, text output, font management, and other graphical operations.
- **Kernel32.dll**: Provides core functionalities like memory management, process and thread creation, and file handling.
- **Advapi32.dll**: Manages advanced services such as registry access, security settings, and service controls.

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- Historically, the Win32 API was crucial for developing native applications on Windows.
- Newer programming frameworks like .NET and languages such as C# have become popular for Windows development, the Win32 API is still used extensively, especially for applications that require close interaction with the operating system or for legacy software maintenance.

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