Selenium automates browsers. That's it!

What you do with that power is entirely up to you.

Primarily it is for automating web applications for testing purposes, but is certainly not limited to just that.

Boring web-based administration tasks can (and should) also be automated as well.

An API (Application Programming Interface) is a set of rules and protocols that allows different software applications to communicate with each other, acting as a bridge or intermediary to exchange data and perform tasks. It functions like a contract, defining how software can make requests and receive responses, enabling features like using weather forecasts within an app or processing online payments. APIs are crucial for internet growth, cloud services, and integrating various applications, making complex systems more manageable and allowing for innovation and collaboration.

Apache JMeter is an open-source Java application designed for performance and load testing of web applications, software, and APIs. It works by simulating user behavior, sending requests to a server, and then analyzing the server's response to measure performance and identify functional issues. Key features include support for various response formats (HTML, JSON, XML), data extraction capabilities, variable parameterization, and extensive extensibility through plugins.