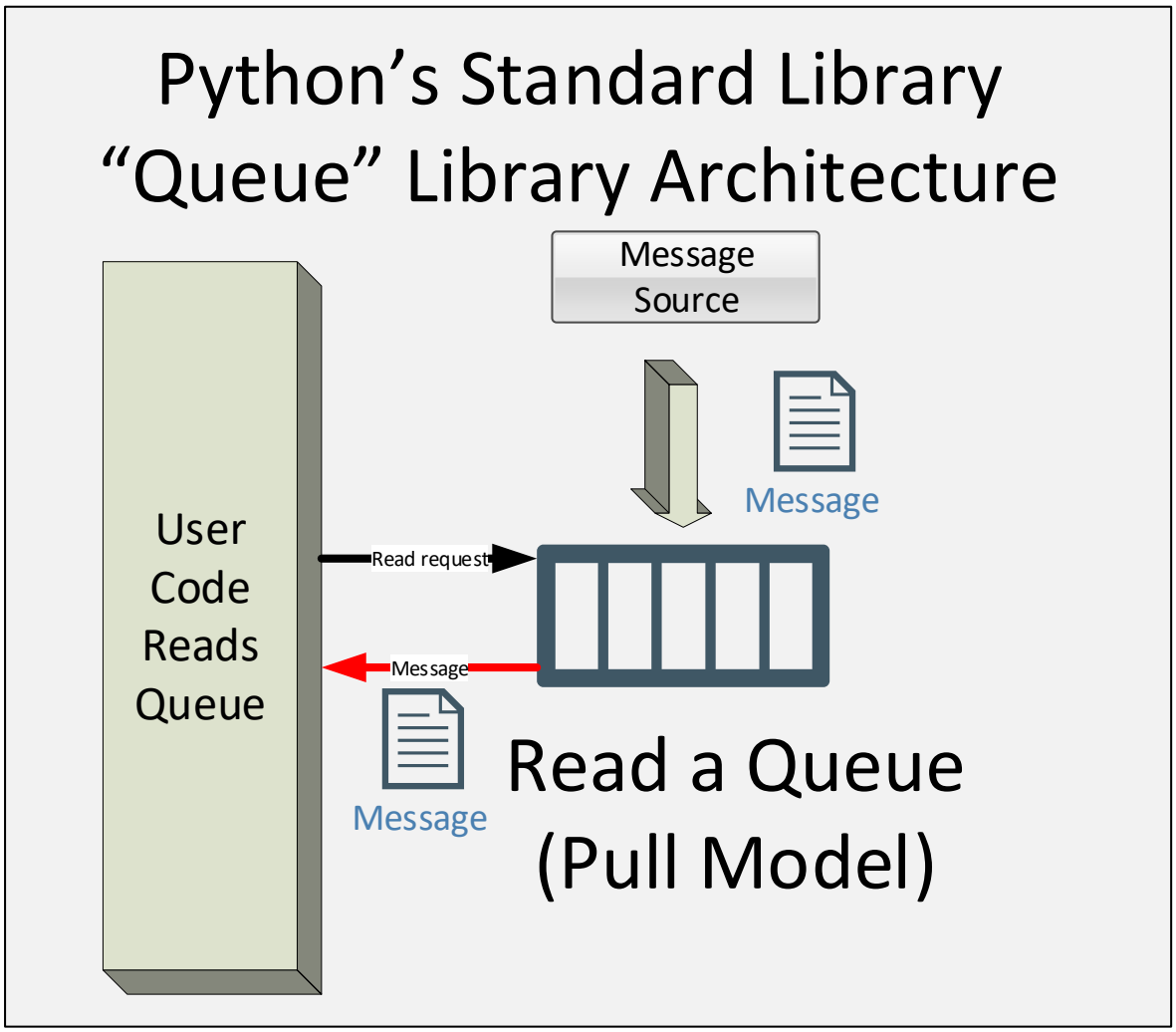
Python Queues Simplified Architecture

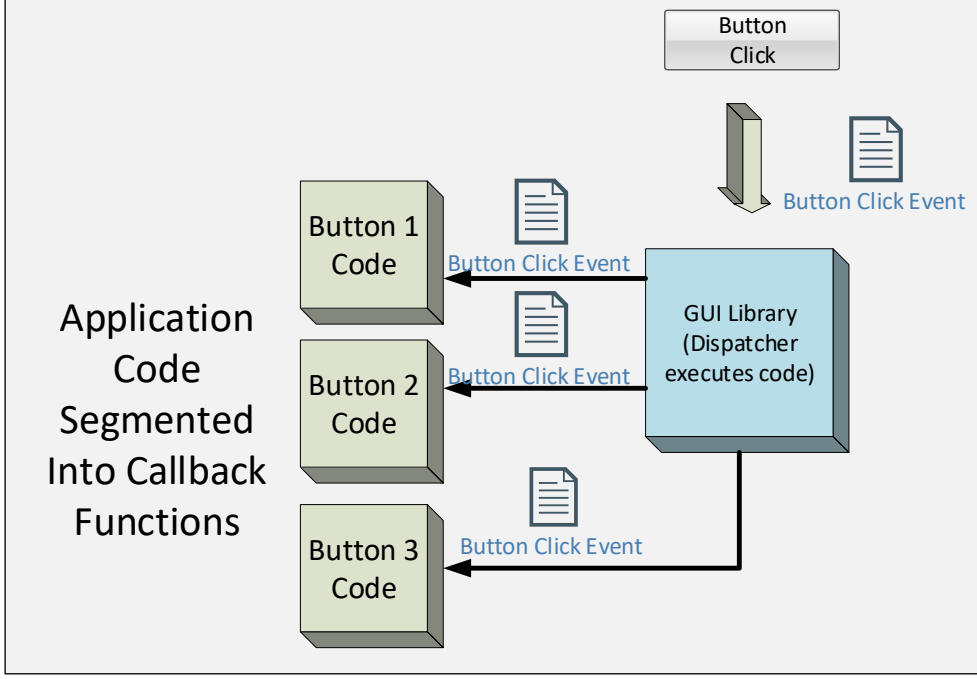


Message passing

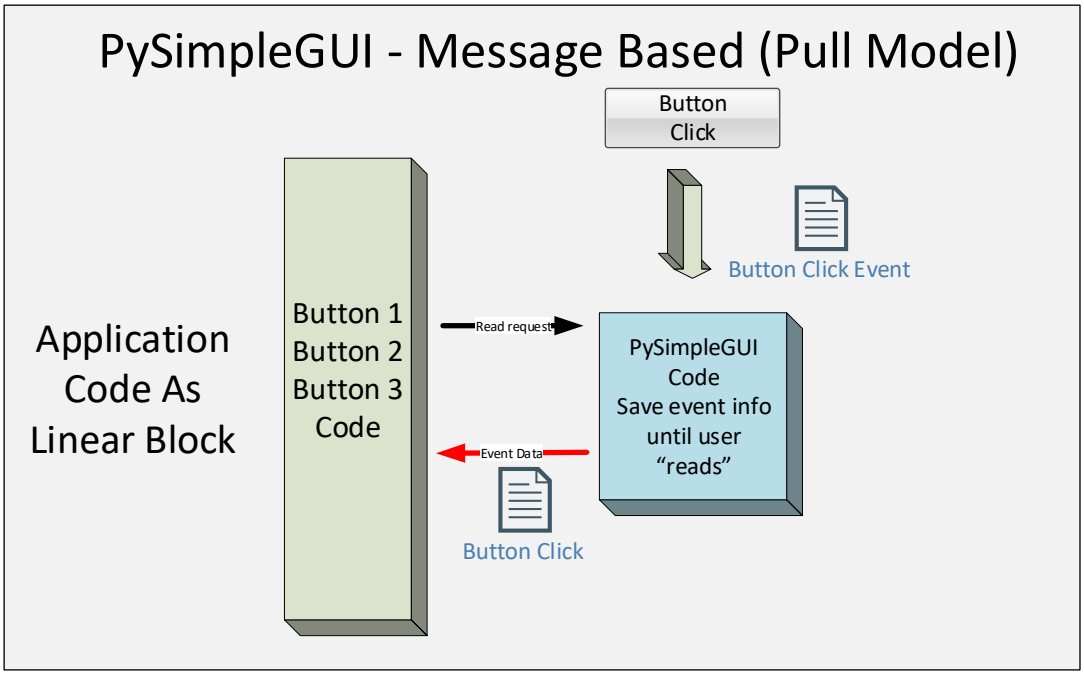
From Wikipedia, the free encyclopedia

In computer science, **message passing** is a technique for invoking behavior (i.e., running a program) on a computer. The invoking program sends a message to a process (which may be an actor or object) and relies on that process and its supporting infrastructure to then select and run some appropriate code. Message passing differs from conventional programming where a process, subroutine, or function is directly invoked by name. Message passing is key to some models of concurrency and object-oriented programming.

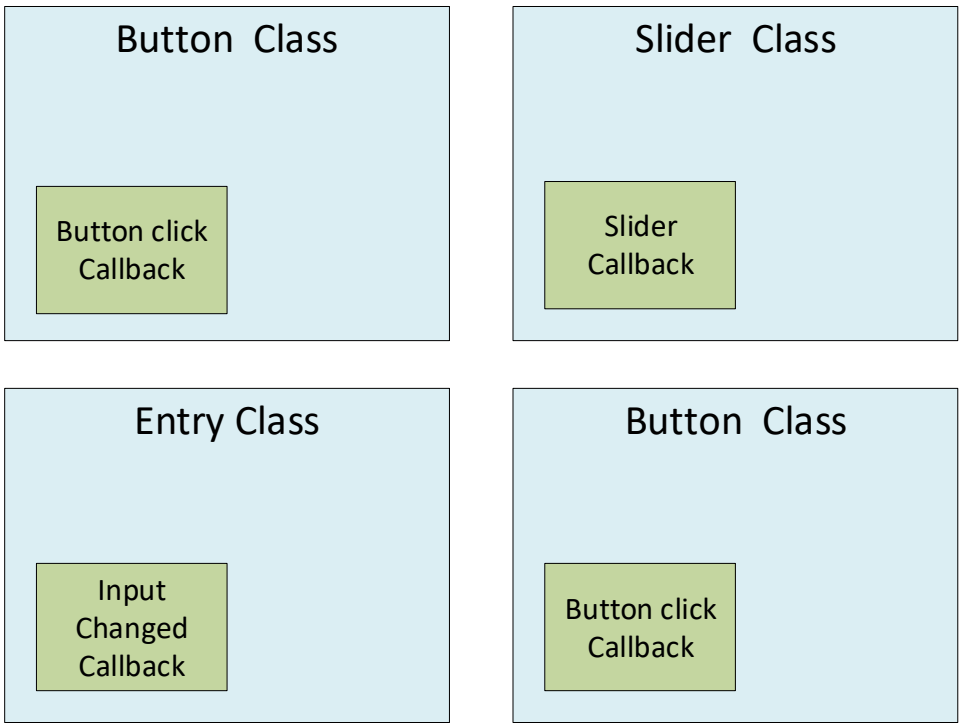
Traditional GUI - Event Driven (Push Model)



PySimpleGUI - Message Based (Pull Model)



Callback Model – Distributed event processing



Message Passed Model – Centralized event processing