Dcomm Assignment 1, Diagram
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Keyboard Input

Display Recieved

Write Serial

Display Help

Connect

Core

Read Serial
(New Thread)

Serial Settings

Baud, Stop Bits,
Parity, Byte Size

Ports
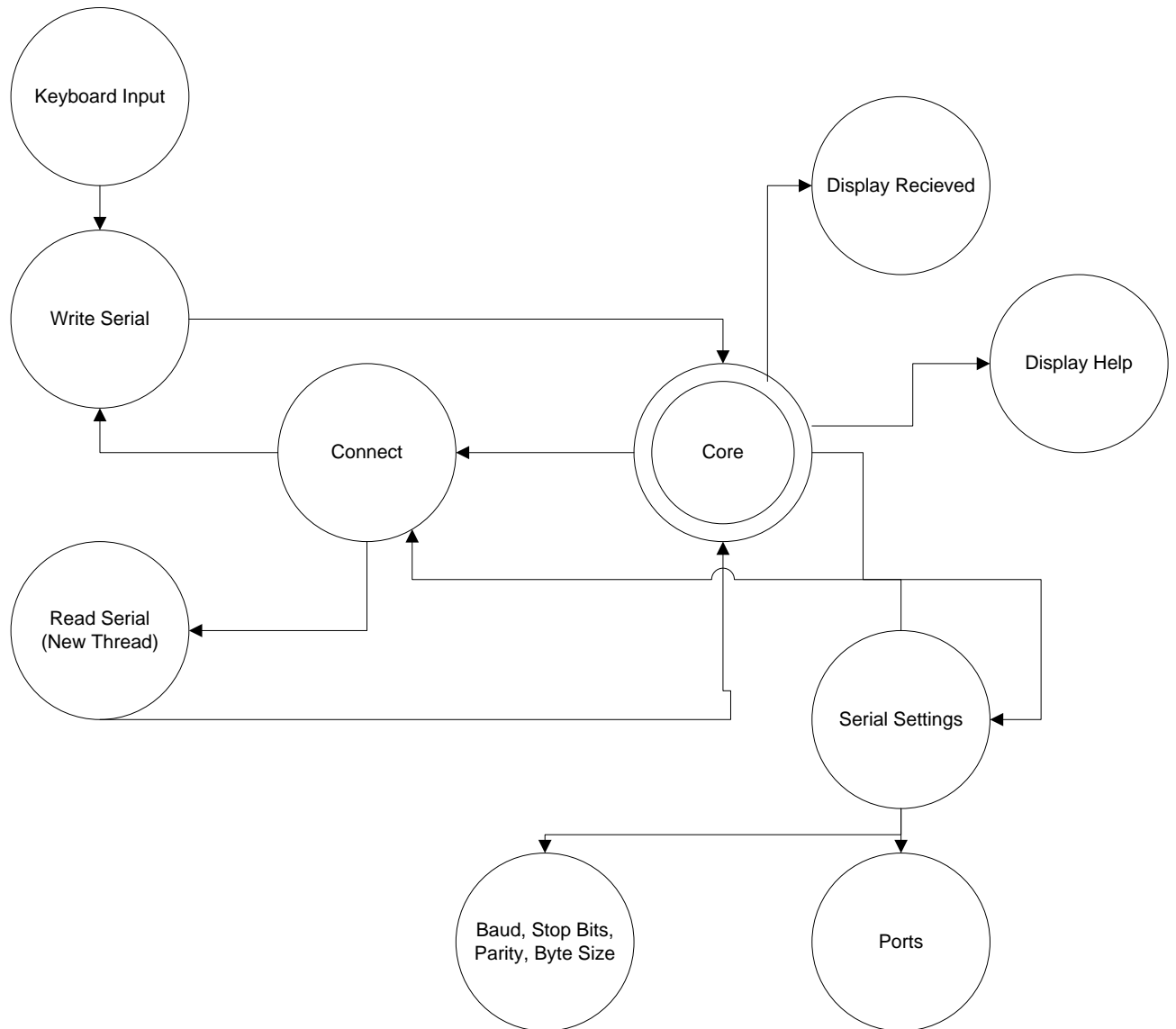
Dumb Terminal Emulator

The program is first intiated. If the user hits connect, a new session will begin and a serial port will be created along with a read thread. Data will be written to this port by the main thread, while data will be read and painted to the window by the new thread. When the user hits escape, the session is terminated, clearing the buffers and handles associated with the session. The screen will also be cleared of the text from the session.

The user may change what port they wish to use from the port menu. It will default to com1. They may also change the data settings (bps, data bits(byte value), Parity, stop bits and the flow control) from the data settings menu. These settings will be applied whenever a new session is started (after connect is hit).

The user can click the help menu for information on how to use the program.