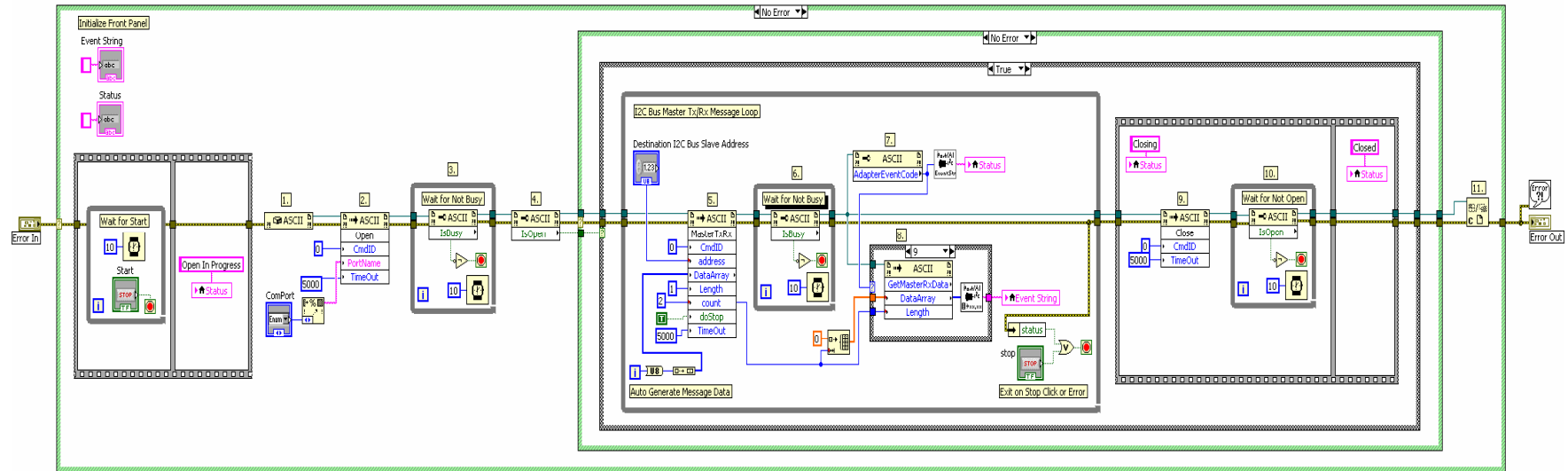


# iPortAI dotNET MasterTxRx Demo.vi

PortAI dotNET MasterTxRx Demo  
 This LabVIEW application demonstrates I2C Bus communications using the MCC ASCII Port .NET Class Library with MCC ASCII-based I2C Bus adapters.



1. Use a LabVIEW Constructor Node to create an I2C Bus Adapter object reference.
2. Call the Open method to open a connection to the adapter. The PortName parameter ("COM1") specifies the adapter to use.
3. Read and test the IsBusy property to determine when the Open method has finished.
4. Read and test the IsOpen property to determine if Open was successful.
5. Call the MasterTxRx method to write data to, then read data from and I2C Bus slave device.
6. Read and test the IsBusy property to determine when the TxRx method has finished.
7. Read the AdapterEventCode property to determine if the TxRx method was successful.
8. Test the AdapterEventCode. If MasterTxRx/Complete, call the GetMasterRxData method to retrieve the slave device data.
9. Call the Close method to close the connection to the adapter.
10. Read and test the IsOpen property to determine when the Close method has finished.
11. Use a LabVIEW Close Reference function to release the I2C Bus Adapter object reference.