# Scope

This demo shows how TuringTrader can be integrated with a VisualBasic application. The demo is a simple moving-average crossover strategy, and illustrates the following aspects of TuringTrader:

* Setting the simulation range from January 2007 to December 2019
* Setting the initial capital to $1,000,000
* Setting the commission per share to $0.015/share
* Loading quotations from Yahoo, in this case for the S&P 500 ETF “SPY”
* Calculating indicators, in particular a 50 and 100 day simple moving averages
* Calculating order sizes as the difference between a target size and the current position size
* Placing orders, in this case market orders on the next open
* Print the simulation time stamp, along with order sizes

# Prerequisites

The demo depends on the following prerequisites

* Visual Studio 16.3.0 Preview 2.0
* TuringTrader v0.10b4

# Loading the demo

Upon loading the demo, confirm that the dependencies are loaded correctly. The demo requires TuringTrader.Simulator.dll installed in C:\Program Files\TuringTrader\Bin:

A screenshot of a cell phone

Description automatically generated

# Running the demo

The demo launches after clicking VisualStudio’s run button. It prints the following messages to the console, showing the progress of the simulation. Note how the strategy buys and sells SPY shares, based on the indicator results:

A close up of text on a black surface

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