```
function [stockMod] = simStock_ExxonMobil01(...
                        stockStruct, ...
                        currentDay)

    % This function pulls actual
    % stock price history data for
    % GIS (General Mills) from
    % Yahoo! Finance via the
    % SQQ script.  It reads the data
    % from a CSV file that has been
    % created beforehand.

    % The only that is changed in this
    % function is the closing price.

    % All values in the stock data struct
    % that are not changed will be set
    % to "-1" in their corresponding
    % matrices, denoting an empty value.

    % Pull current day price from
    % external CSV file for GIS.
    dataAll = csvread('./Historical_Stock_Data/XOM.csv');
    % Only need close price data.
    dataClose = dataAll(:,4);

    % Calculate new price.
    if((currentDay(3) <= length(dataClose)) ...
        && (currentDay(3) >= 1))
        newPrice = dataClose(currentDay(3));
    else
        % dataClose array is out
        % of bounds.  There is no
        % more historical stock
        % data to feed in.
        newPrice = 0;
    end

    % Update the stock data.
    newDataIndex = (length(stockStruct.year) + 1);
    stockStruct.currentPrice = newPrice;
    stockStruct.high(newDataIndex) = -1;
    stockStruct.low(newDataIndex) = -1;
    stockStruct.close(newDataIndex) = newPrice;
    stockStruct.volume(newDataIndex) = -1;

    % Return updated stock struct.
    stockMod = stockStruct;

    return;
```

```
end
```