

```
function [stockMod] = simStock_GeneralMills01( ...
    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/GIS.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