```
function [flag,portfolioStockData] = getStockData_portfolio( ...
                            portfolio,symbol)
    % This function will search the
    % given portfolio for the
    % desired stock.  If it is found,
    % the stock info is returned
    % and the flag is "1".
    % If not, then "0" is returned
    % as the flag and the stockInfo
    % variables are returned as
    % either zero or empty.
    % The data that is returned
    % for the stock (if it is found
    % in the portfolio) is:
    %   1.  Name of stock
    %   2.  Symbol of stock
    %   3.  Last trade year, month,
    %       and day for the stock
    %   4.  Number of shares of that
    %       stock currently in the
    %       portfolio
    %   5.  List of all transactions
    %       for that stock to date
    % The data will be in the form of
    % a "portfolioStockData" struct.

    % Create an empty portfolioStockData
    % struct.
    portfolioStockData = createEmptyPortfolioStockData();
    % Search the portfolio for the
    % desired stock.
    for i = (1:length(portfolio.stockSymbols))
        if(strcmp(portfolio.stockSymbols(i),symbol))
            % If stock is found, save
            % all the necessary data to the
            % struct to be returned.
            portfolioStockData.symbol = portfolio.stockSymbols(i);
            portfolioStockData.numShares = portfolio.stockShares(i);
            % Search through the transactions list
            % for all transactions involving the
            % desired stock.  Copy them into the
            % list to be returned.
            k = 1;
            for j = (1:size(portfolio.transactions,1))
                if(strcmp(portfolio.transactions{j,8},symbol))
                    portfolioStockData.transactions(k,:) = ...
                        portfolio.transactions(j,:);
                    k = k + 1;
                end
            end
            % Return success.  All data is
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            % ready to be returned.
            flag = 1;
            return;
        end
    end
    % If desired stock is not found,
    % return 0.
    portfolioStockData = createEmptyPorftolioStockData();
    flag = 0;
    return;
end
```