CEG3136 Lab 4 Report

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1. Code Snips

svc.h:

```
| Parish | P
```

svc.s:

```
svc.s - Lab4 - Visual Studio Code
File Edit Selection View Go Run Terminal Help
                                    口口 日 ···· svc.s
         > .vscode
> DebugConfig
                                                                                You, 1 hour ago | 1 author (You)

AREA | .text|, CODE, READONLY You, 1 hour ago * init
PRESERVE8;
THUMB;
          > Objects
> RTE
           > RTE
> snapshots

F. -lock.tab_report.odt# U

F EventRecorderStub.scvd
- covertor.c 2, M
                                                                               EXPORT SVC Handler
                                                                            SVC_Handler_FUNCTION ; char SVC_Handler();

IMPORT_SVC_Handler_c

TST_LR,#4 ; Called from Handler Mode?

MRSNE_R12,PSP ; Yes, use PSP

MOVEO_R12,SP ; No, use MSP

LDR_R12,[R12,#24] ; Read Saved PC from Stack

LDR_R12,R12,#24] ; Load Halfword

BICS_R12,R12,#0xFF00 ; Extract_SVC_Number

MOV_R1,R12

B_SVC_Handler_C

ENDFUNC

    □ lab1_hello_world.uvguix.Ayman

            C lab4.c

₣ lab4.uvguix.Ayman

₣ lab4.uvguix.matt M

M

    lab4.uvprojx

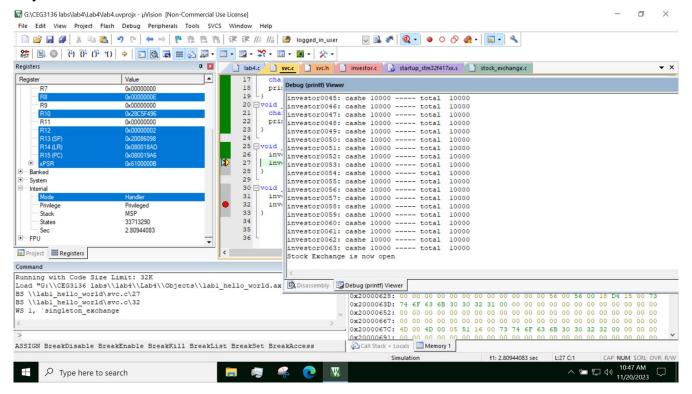
            C stock.c
             C stock.h
         svc.s

F test_fuct.ini
 > outline > timeline
  ♦ You, 1 hour ago  Ln 1, Col 1  Spaces: 2  UTF-8  CRLF  ARM
```

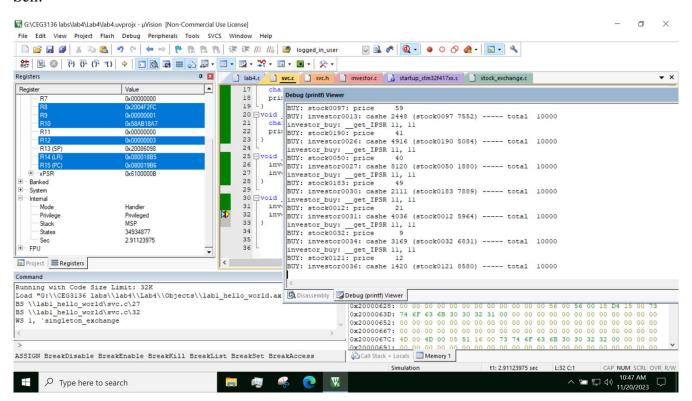
svc.c:

2. Screenshots at breakpoints at buy/sell functions

Buy:



Sell:



3 & 4 Simulation Log and Source Code

The entire simulation of one run has been included in simulation.txt file found in the zip with the rest of the source code and in the same directory as this report pdf.