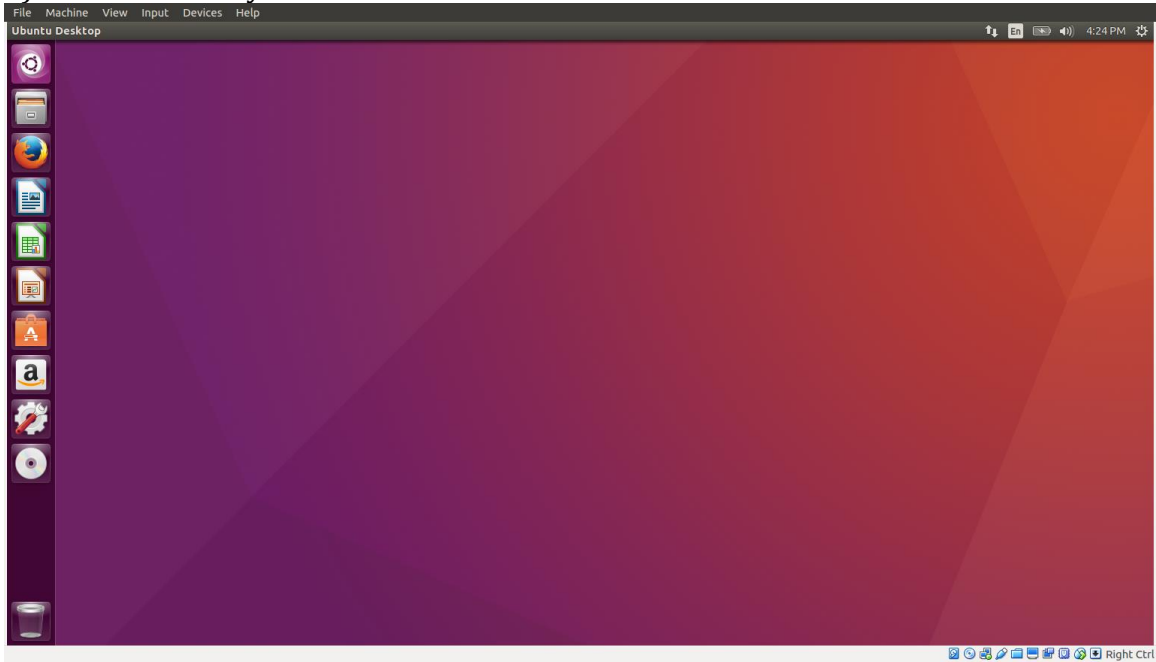# Project 1 Report

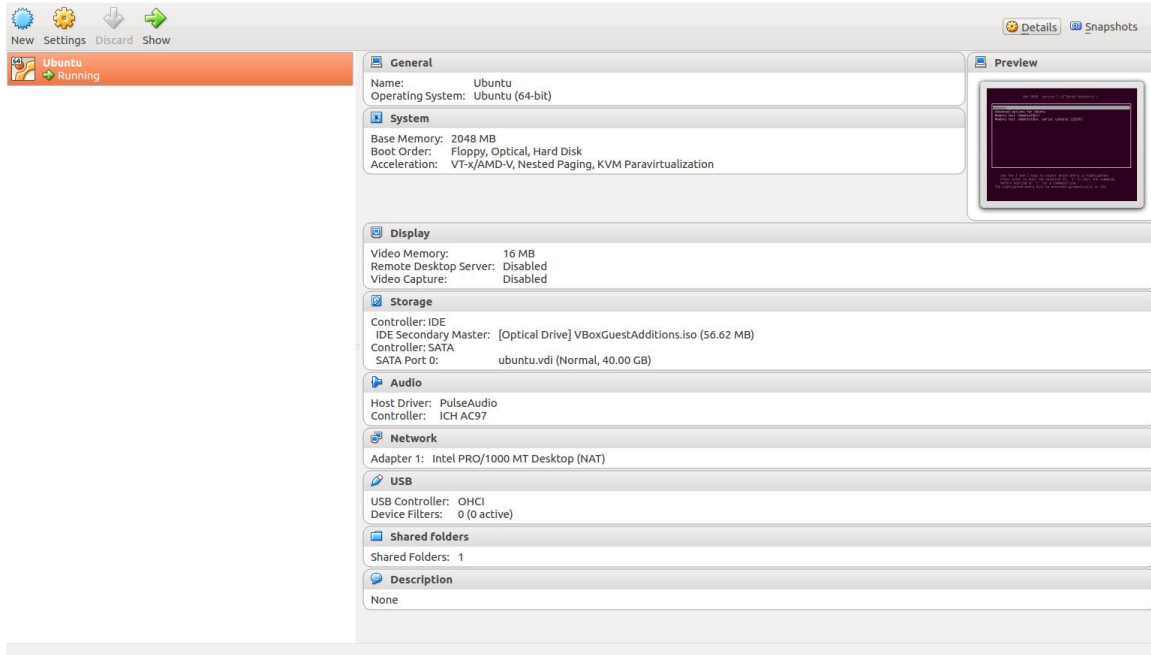**CSC 4320/6320 - Operating Systems**
Spring 2018

Name: Student name
Email: Email address

Part 1:

1) Screenshots of your installed Ubuntu in VirtualBox.

Part 2:

1) Kernel log buffer contents after loading kernel module *simple*.

```
[18706.360718] Loading Module
yuanlong@yuanlong-VirtualBox:/media/sf_shareName/TEXTBOOK/ch2$
```

2) Kernel log buffer contents after removing kernel module *simple*.

```
[18763.425334] Removing Module
yuanlong@yuanlong-VirtualBox:/media/sf_shareName/TEXTBOOK/ch2$
```

Part 3:

1) Kernel log buffer contents after loading kernel module *simple-solution*.

```
[18603.538549] ***Loading Module***
[18603.538554]   Name: Yuan Long Birthday: Month 8 Day 13 Year 1995
[18603.538555]   Name: John Birthday: Month 9 Day 2 Year 1998
[18603.538556]   Name: Kate Birthday: Month 8 Day 12 Year 1963
[18603.538557]   Name: Lily Birthday: Month 10 Day 22 Year 1963
[18603.538558]   Name: Micheal Birthday: Month 1 Day 2 Year 1988
yuanlong@yuanlong-VirtualBox:/media/sf_shareName/PROJECT/P1/Test$
```

NOTE: The name of the first birthday struct needs to be your own name.

2) Kernel log buffer contents after removing kernel module *simple-solution*.

```
[18303.376263] ***Removing Module***
[18303.376267] Removing Yuan Long 8 13 1995
[18303.376269] Removing John 9 2 1998
[18303.376271] Removing Kate 8 12 1963
[18303.376272] Removing Lily 10 22 1963
[18303.376274] Removing Micheal 1 2 1988
yuanlong@yuanlong-VirtualBox:/media/sf_shareName/PROJECT/P1/Test$
```

3) Source code of simple-solution.c (copy and paste your source code here).

```c
#include <linux/init.h>
#include <linux/module.h>
#include <linux/kernel.h>

/* This function is called when the module is loaded. */
int simple_init(void)
{
    printk(KERN_INFO "Loading Module\n");

    return 0;
}

/* This function is called when the module is removed. */
void simple_exit(void) {
        printk(KERN_INFO "Removing Module\n");
}

/* Macros for registering module entry and exit points. */
module_init( simple_init );
module_exit( simple_exit );

MODULE_LICENSE("GPL");
MODULE_DESCRIPTION("Simple Module");
MODULE_AUTHOR("SGG");
```

NOTE: THIS SOURCE CODE IS AN INCOMPLETE VERSION OF SIMPLE-SOLUTION.C, YOU MUST PROVIDE A COMPLETE VERSION HERE.