# Notes from Homework 1 (Spring 2019)

## Details & Logistics

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| Your Name | Adrien Xie |
| Your email address | [xie.z@wustl.edu](mailto:xie.z@wustl.edu) |
| Machine, CPU & OS  *Eg, Lenovo x200, Win7 64bit* | Thinkpad T430 Win7 x64 |
| Amount of main memory | 16GB |
| Amount of free disk drive space  *Should be at least 20GB to be safe* | *38GB* |
| Homework start date & time | 1/27/2019 10PM |
| Homework end date & time | 1/27/2019 11PM |

## Install VirtualBox

Notes:

* Download the latest build from the website: <https://www.virtualbox.org/wiki/Download_Old_Builds_5_2>
* Execute the setup and install VirtualBox

## Create a new Ubuntu Virtual Machine &

## Install Ubuntu on your Virtual Machine hard disk

Notes

* Follow the instruction and create an new virtual machine
  + Open virtual box and create new instance
* Configure the machine as instructed
  + Set the ram and disk as recommended
* Use the download image file as the CD
  + Open the virtual machine settings
  + Under the storage and chose the iso file in the CD image icon
* Follow the instruction and install the virtual machine from the image file
  + Start the virtual machine and boot from the live CD we have mounted
  + Erase the disk and install ubuntu
* Set username xiez and password
* Finish installing and restart
  + Virtual machine hangs when trying shutting down and therefore it is forced to shut down
* Reboot the machine and log in with the credentials

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| C:\Users\Po Adrich\Desktop\QQ截图20190128003406.png |
| Figure 1. Screenshot of log in. |

## Install Guest Additions on your Virtual Machine

Notes

* Run the update for recent software packages
  + Sudo apt-get update
  + Type in yes
* Install the build-essential
  + Sudo apt-get install ghex build-essential
* Follow the instruction for installing the guest addition devices
  + In the virtual box menu on the virtual machine click devices
  + Insert guest additions cd image
  + Start running the installation
  + Shut down the virtual machine and eject the CD
* Reboot the machine to test the installation

## Snapshot your base Virtual Machine

Notes

* Shut down the virtual machine
* Take a snap shot named test snapshot 1
  + Click on virtual box menu and select the machine machine
  + Take the snapshots icon and save

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| C:\Users\Po Adrich\Desktop\QQ截图20190128003241.png |
| Figure 2. Screenshot of snapshot created. |

## Finalize this file in Google Docs.

Make all of your final edits; make sure your work is neat and easy to follow. Remove the “Overview” section at the top of this document. Remove the “cross-out” from the following drawing.

Finished!