**College of Arts and Letters, IT**

**Remove and Repair**

**Script for Mac**

**Version 1.0**

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**Purpose**

This script is to maintain mac computers automatically. It is designed to be run every quarter using Apple Remote Desktop or individually.

**Functionality**

1. Delete all student accounts.

* Remove user directories recursively starting with 00.

( *rm –rf /Users/--\**)

1. Update Microsoft Office.

* Assume .dmg file is on your desktop. This script mounts the installer, run it, and unmount it. The .dmg file should be updated before the script is ran.

(*hdiutil mount Users/admin/Desktop/$OfficeDmg.dmg*

*sudo installer -package /Volumes/Microsoft\ Office\ $OfficeUpdateVersion Update/Office\ $OfficeUpdateVersion Update.pkg -target "/Volumes/Macintosh HD"*

*hdiutil unmount /Volumes/Microsoft\ Office\ $OfficeUpdateVersion Update/* )

1. Update all software in Apple Store.

* Update every software in Apple Store except which requiring Apple id and password.

( *softwareupdate -i –a* )

1. Run repair permissions on Disk Utility.

(*diskutil repairPermissions "Macintosh HD"* )

1. Update Firefox

* Assume .dmg file is on your desktop. This script mounts the installer and replace the new Firefox on the old Firefox.

(*hdiutil mount /Users/admin/Desktop/Firefox\ $FirefoxUpdateVersion.dmg*

*cp -R /Volumes/Firefox/firefox.app /Application* )

**The proper way to use**

**<Running the script on individual mac.>**

Open terminal and move directory where the script is, and then execute.

**<UI Description>**

Output -Run the entire script?

Input – (y/n)

Output -1. Restart after the script

-2. Turn power off

-3. Leave it

Input – choose one from 1, 2 and 3

If you choose no on the first question (Run the entire scrip?)

Output -1. Delete all students’ account

-2. Update Microsoft Office

-3. Execute Appstore Update

-4. Run repair Permission

-5. Update Firefox

Choose one or more numbers to run with no space between the numbers.

**<Running the script partially using ARD>**

Copy the command line to “Send UNIX Script” box of ARD. Make sure you are running as root privilege.