*Mac Setup (for Android Testing)*

*note: only applicable for V&V Tx Team (not for building app)*

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# Requirements

1. Mac Mini
2. iOS Device
3. Apple ID

# Short Intro to Using Mac

1. Opening terminal
   1. Finder A close up of a logo

      Description automatically generated > Utilities > Terminal
2. Accessing Z drive
   1. Finder > Go > Connect to Server > smb://<username>@dexcom.dexcominc.com/dexcomdata/eng6340/softwaretesting
   2. Enter your Dexcom credentials

# Installing Java/HomeBrew

1. Open Terminal
   1. echo | ruby -e “$(curl -fsSL <https://raw.githubusercontent.com/Homebrew/install/master/install>)”
      1. This installs Homebrew, an installation manager (used to install other dependencies easily)
   2. brew cask install java **(install latest java version)**
   3. brew cask install homebrew/cask-versions/adoptjdk8 **(installs older java 8 version which will be necessary)**
   4. cd ~/ **(GO BACK TO HOME DIRECTORY ANDS OPEN BASH PROFILE)**
   5. nano .bash\_profile **(add java\_home env variable to bash profile)**
   6. export JAVA\_HOME=$(/usr/libexec/java\_home)
   7. exit nano

# Installing Appium

1. Open Terminal
2. Install Appium and its dependencies (run the following commands)
   1. brew install node
   2. npm install -g appium
   3. brew install carthage

# Installing Android SDK/Environment Variables

1. Open Terminal
   1. brew cask install android-sdk
   2. cd /usr/local/share/android-sdk/tools/bin
   3. /usr/libexec/java\_home -V
   4. export JAVA\_HOME=`/usr/libexec/java\_home -v 1.8` **(switch to java 8 to use sdkmanager command temporarily)**
   5. sdkmanager “platform-tools” “platforms;android-28” **(Check Wikipedia for Android Version History and select correct android version.)**
   6. cd ~/ **(GO BACK TO HOME DIRECTORY AND OPEN BASH PROFILE)**
   7. nano .bash\_profile
   8. export ANDROID\_HOME=/user/local/share/android-sdk
   9. export PATH=$PATH:/usr/local/Caskroom/android-sdk/4333796/platform-tools. **(ADD ANDROID\_HOME AND PLATFORM\_TOOLS TO PATH)**
   10. exit nano
   11. adb devices **(if this command works you are good)**
   12. adb shell getprop **(this command should also work)**

# Common Issues

1. Not having java8 installed so sdkmanager command doesn’t work. You will need to install java 8 separately with homebrew.
2. Incorrect path environment variables in .bash\_profile. Double check your paths for android home and for platform tools

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