CHIANG MAI UNIVERSITY
Bachelor of Science (Software Engineering)
College of Arts, Media and Technology
1st Semester / Academic Year 2019
SE 103 PROGRAMMING LOGICAL THINKING

Lab Assignment 02 : Introduction AppInventor and Variable

Name ………………………………………………………… Student ID …………………………. Section………………

Objectives:

1) The student can create a simple android application using AppInventor.
2) The student can create a variable and use the value in the variable.

Install the emulator

1. Download the emulator from website http://appinventor.mit.edu/explore/ai2/windows.html
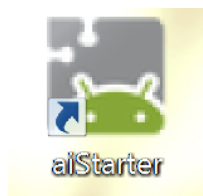

NOTE: App Inventor 2 does not work with Internet Explorer. For Windows users, with App Inventor.

Installing the App Inventor Setup software package

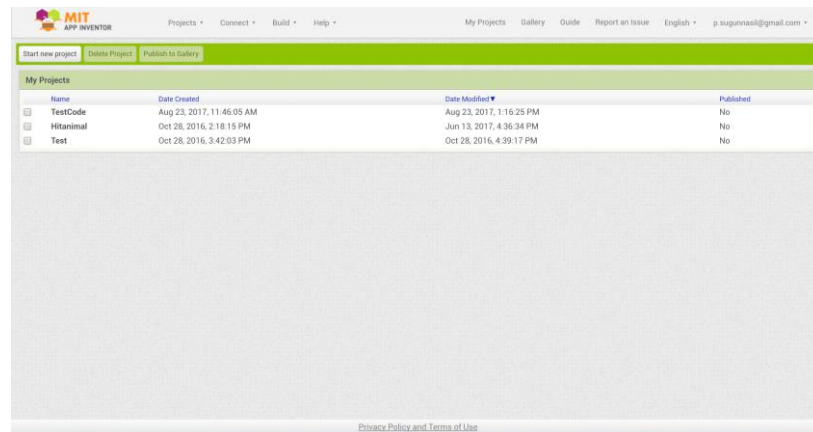You must perform the installation from an account that has administrator privileges

If you have installed a previous version of the App Inventor 2 setup tools, you will need Follow the instructions at How to Update the App Inventor Setup Software.

1. Download the installer.

2. Locate the file **MIT_Appinventor_Tools_2.3.0 (~80 MB)** in your Downloads file o your browser is configured.

3. Open the file.

2. Locate the file and execute the file
3. Follow the instruction. (Do not change the installation location)
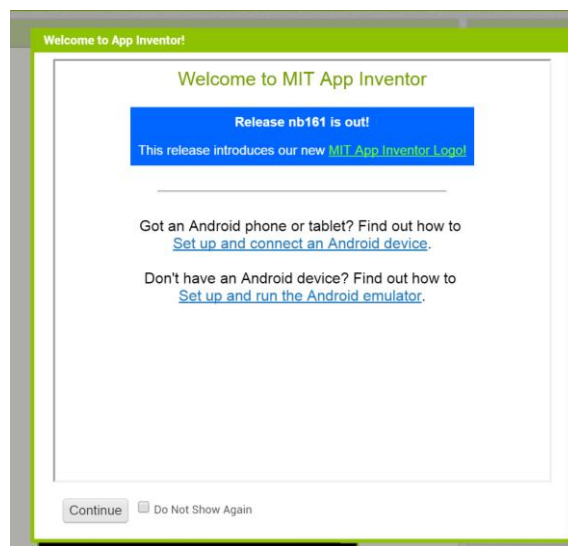4. The following icon will appear on desktop.

Application Development

1. Open the website http://ai2.appinventor.mit.edu/?locale=en
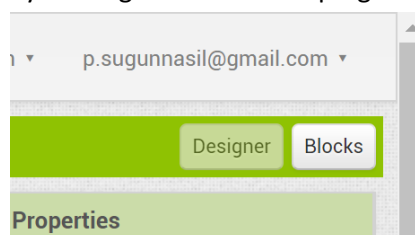

2. The following page will pop up which will display the update of the current version. You have to click as continue.
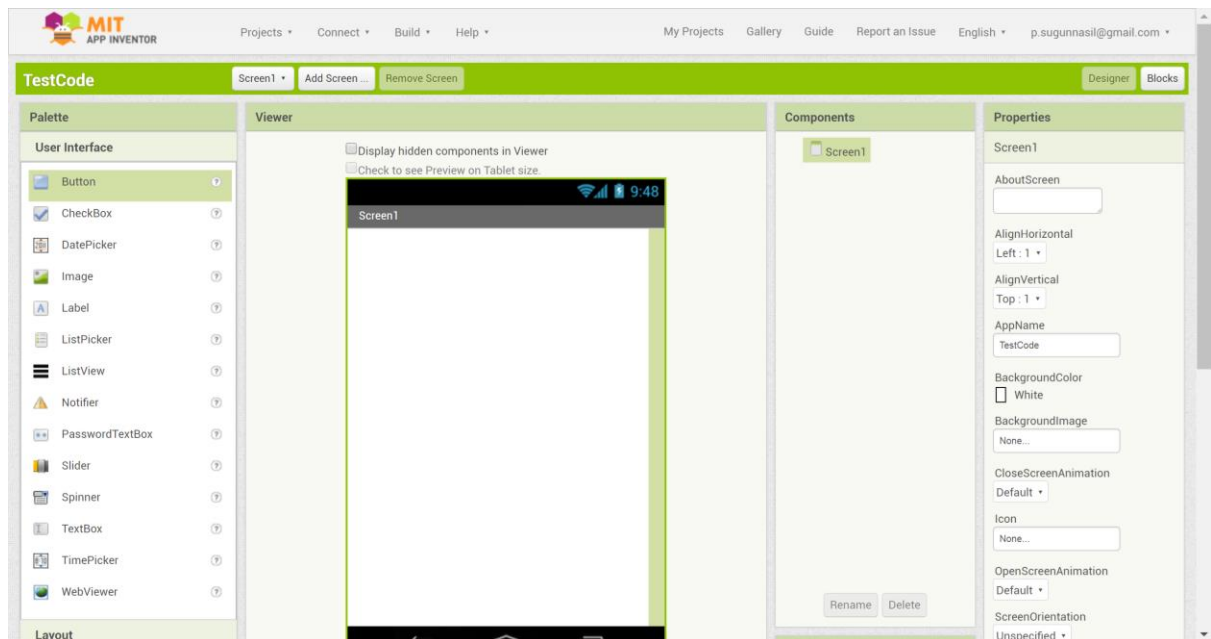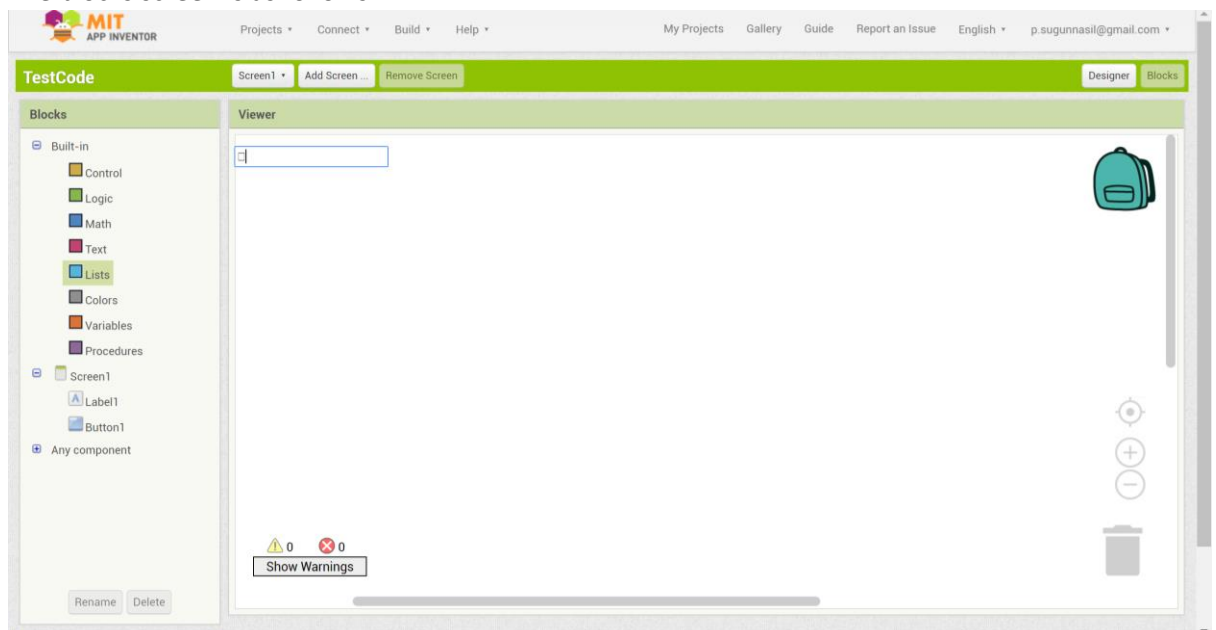

There are 2 types of screen.

☐ Design view – This screen allows user to create the interface by dragging the user interface from the panel on the left to the interface canvas on the right. You can switch to design view by clicking at the at the top-right of the screen.

☐ Block view – This screen allows user to design the algorithm for the operation. You can switch to block view by clicking at the at the top-right of the screen.
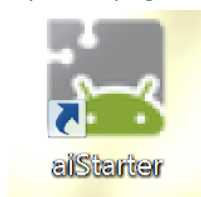
3. The following screen is the design view.

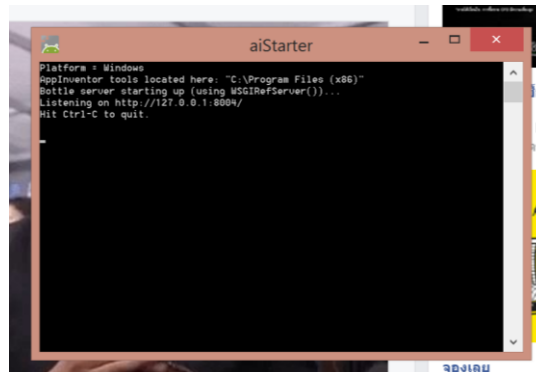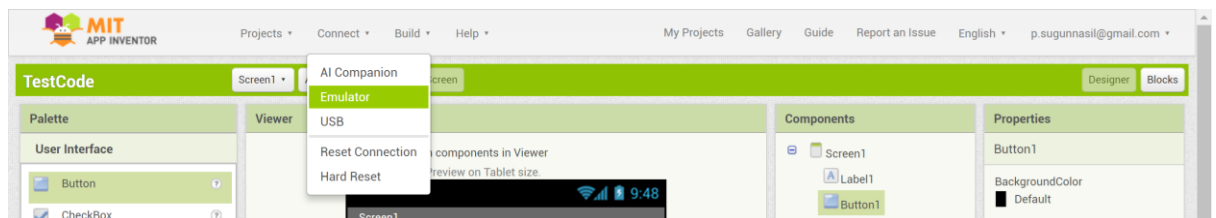4. The blocks screen is as follows

Run the application

1. Open the emulator by clicking at the icon. Normally, the emulator is automatically opened when you access the application development page.
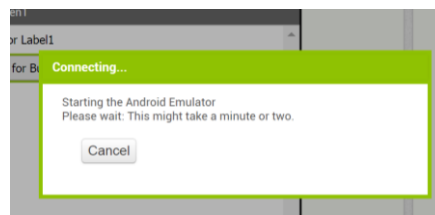
2. The program will prepare the emulator for running the android application on your computer.

3. Click at connect and choose emulator.（You must have developed the application before running it!!!!)
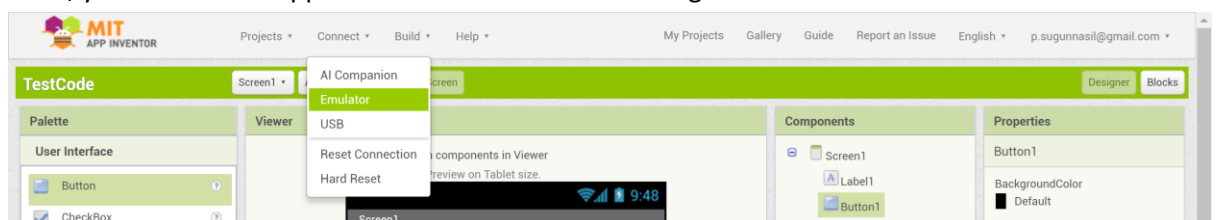

4. The website will connect to the emulator.

    Remark : If the program needs to update. Just update it. The detail instruction is given below.

5. Then, you can use the application on the emulator clicking at connect and choose emulator.

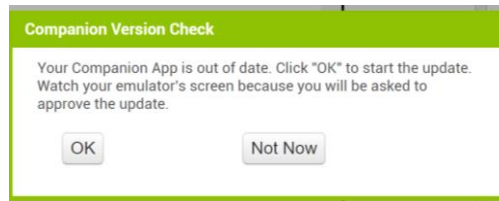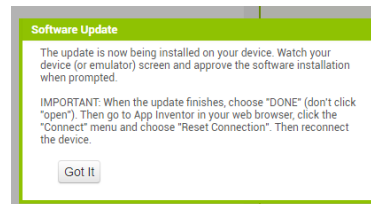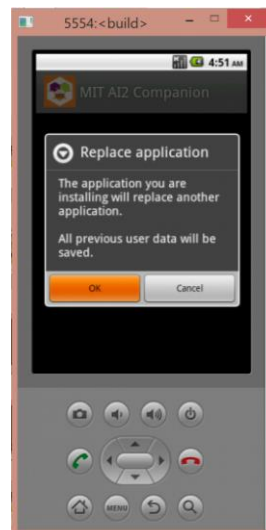6. The website will connect to the emulator.

Emulator Update

In some case, the emulator needs to update. You have to click "OK"

Companion Version Check

Your Companion App is out of date. Click "OK" to start the update. Watch your emulator's screen because you will be asked to approve the update.

OK   Not Now

And follow the instruction.

Software Update

The update is now being installed on your device. Watch your device (or emulator) screen and approve the software installation when prompted.

IMPORTANT: When the update finishes, choose "DONE" (don't click "open"). Then go to App Inventor in your web browser, click the "Connect" menu and choose "Reset Connection". Then reconnect the device.

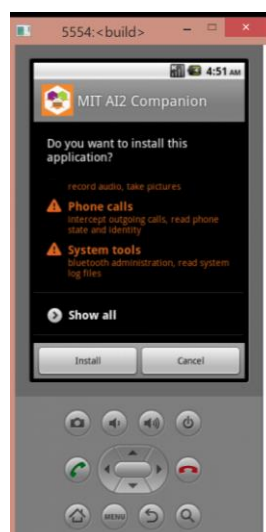Got It

1. Click OK to replace the application with the new version.

2. Install the application.

When it finishes the installation, do not close the emulator. On your browser, you need to click "Connect" and choose "Reset Connection".

This is only the tutorial, not the lab. You will need this for the lab. Otherwise, you won't finish the lab in time. Please study the tutorial and practice it.

The problem set will be later uploaded (1-2 days before Thursday 22/08/2019).