USING MOBILE APPS IN CLASSES
(2018-2020)
4th International Meeting
Kresna, Bulgaria, 17th – 23rd November, 2019
USING MOBILE APPS IN CLASSES
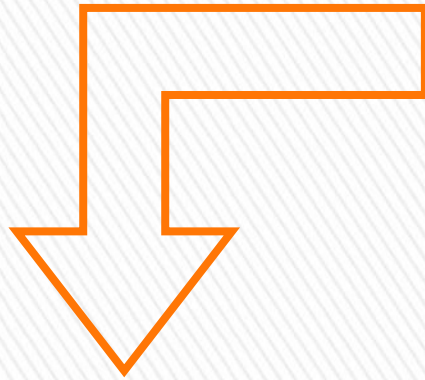
MIT APP INVENTOR WORKSHOP

RUIBAPTISTA@ESBARCELINHOS.PT

MIT
App Inventor

- » Easy for learners to create mobile apps for Android smart phones
- » Visually fitting together puzzle piece-shaped "programming blocks"
- » Web-based
- » 1st quarter of 2012, MIT Center for Mobile Learning launched App Inventor service for general public access
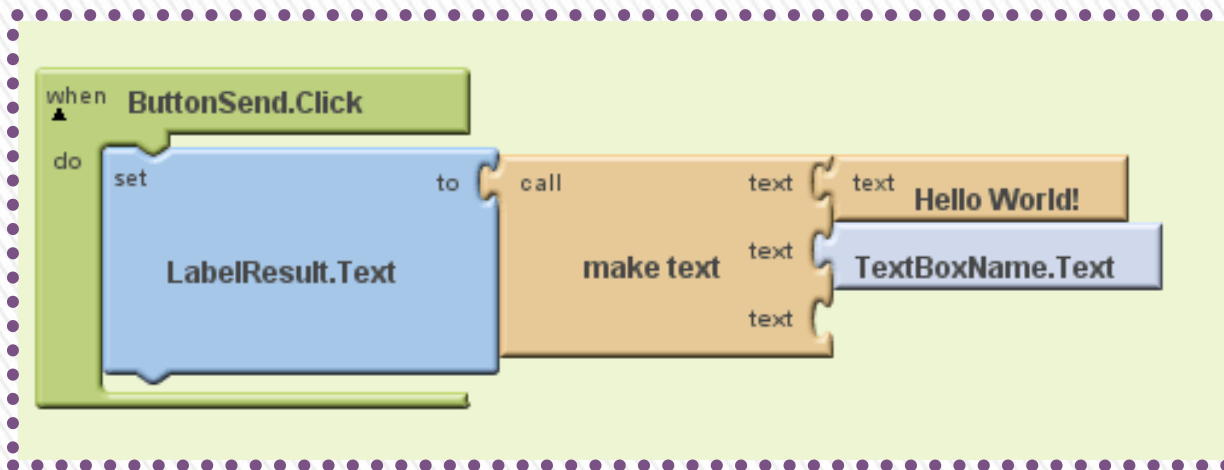
Features

```java
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World");
    }
}
```

```vb
Private Sub Command1_Click()
    MsgBox "Hello, World!"
End Sub
```

Programming Blocks

» Macintosh (with Intel processor): Mac OS X 10.5, 10.6 or higher

» Windows: Windows XP, Windows Vista, Windows 7, Windows 8

» GNU/Linux: Ubuntu 8+, Debian 5+

» 1GB RAM (more is better)

» 500MB hard disk space (for offline version)
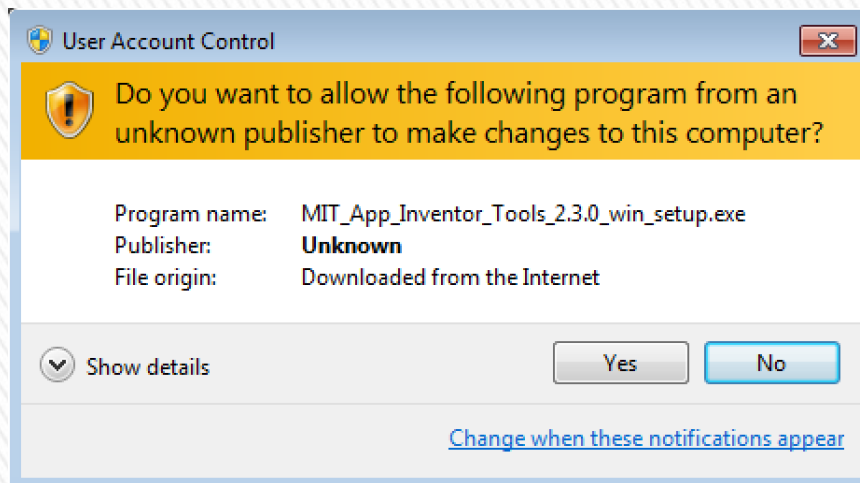
System requirements

- » Mozilla Firefox 3.6 or higher
- » Apple Safari 5.0 or higher
- » Google Chrome 4.0 or higher
- » Microsoft Internet Explorer 7 or higher
- » Java 6 or higher

System requirements

Get started

» [Download](#) App Inventor Setup software package

» Locate the file MIT_Appinventor_Tools_2.3.0 (~80 MB)

» Click through the steps of the installer

User Account Control

Do you want to allow the following program from an unknown publisher to make changes to this computer?

Program name: MIT_App_Inventor_Tools_2.3.0_win_setup.exe
Publisher: **Unknown**
File origin: Downloaded from the Internet

Show details   Yes   No

Change when these notifications appear

Download Link

WiFi Development - MIT App Inventor Release v1.33

» Using WiFi to deploy your development
» Benefits→
» Easy and fast
» No driver required
» Just make sure your Android Device and Developing Computer connected to the same Local Area Network (LAN)
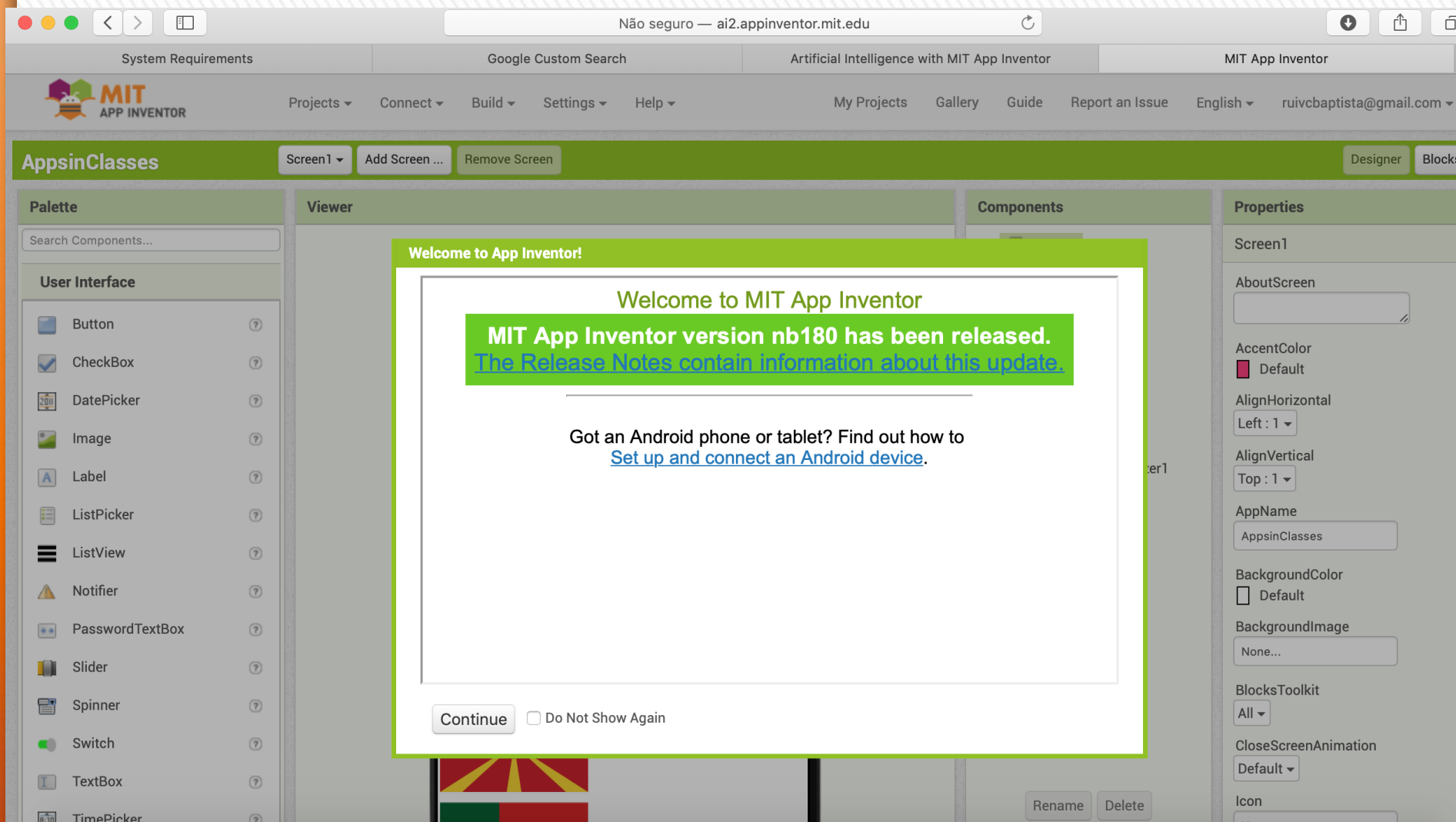
New Feature

» Download an App on an Android device

» Go to [Google Play Store](#)

» Search for "MIT AICompanion"

» OR

» Download the APK file from the following

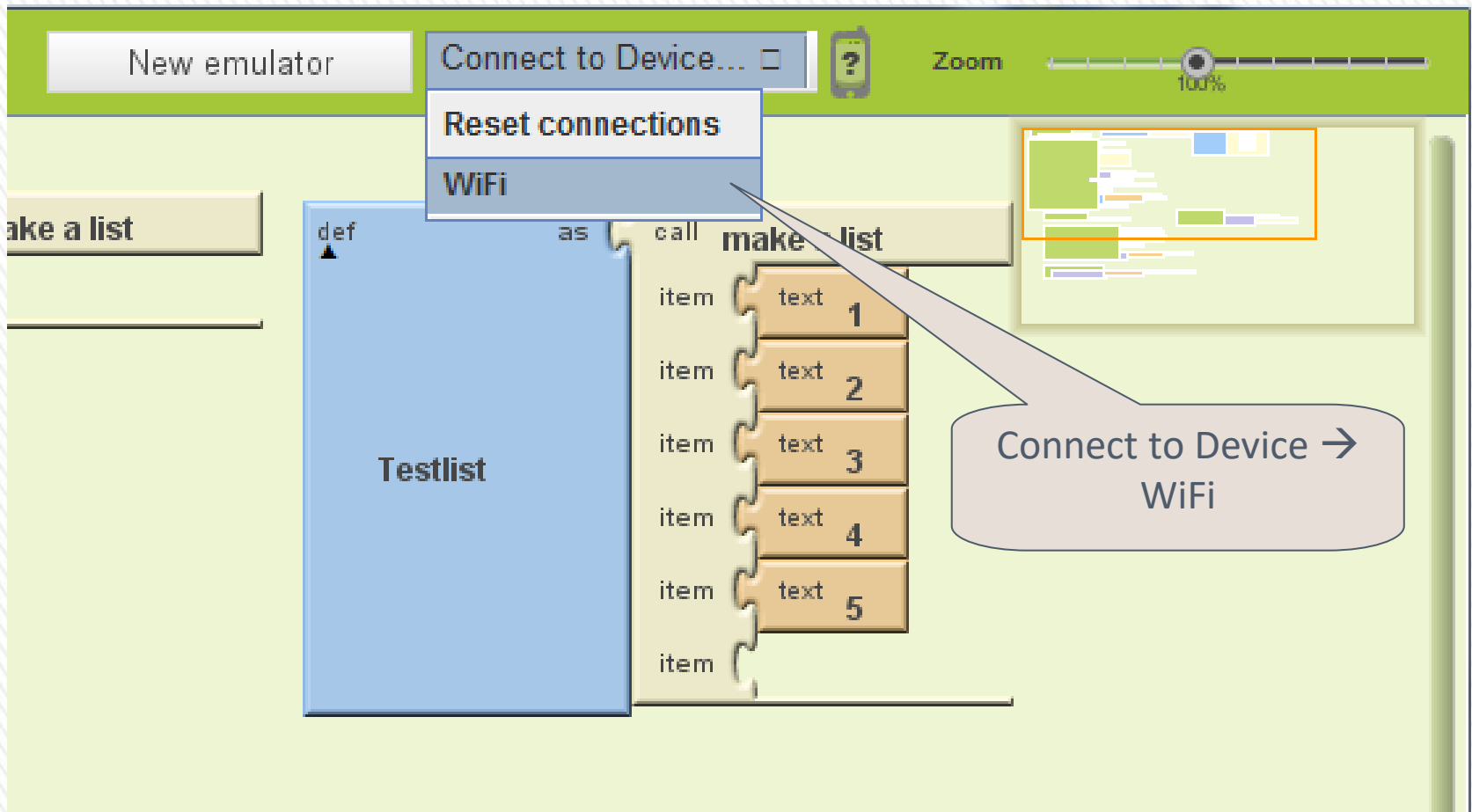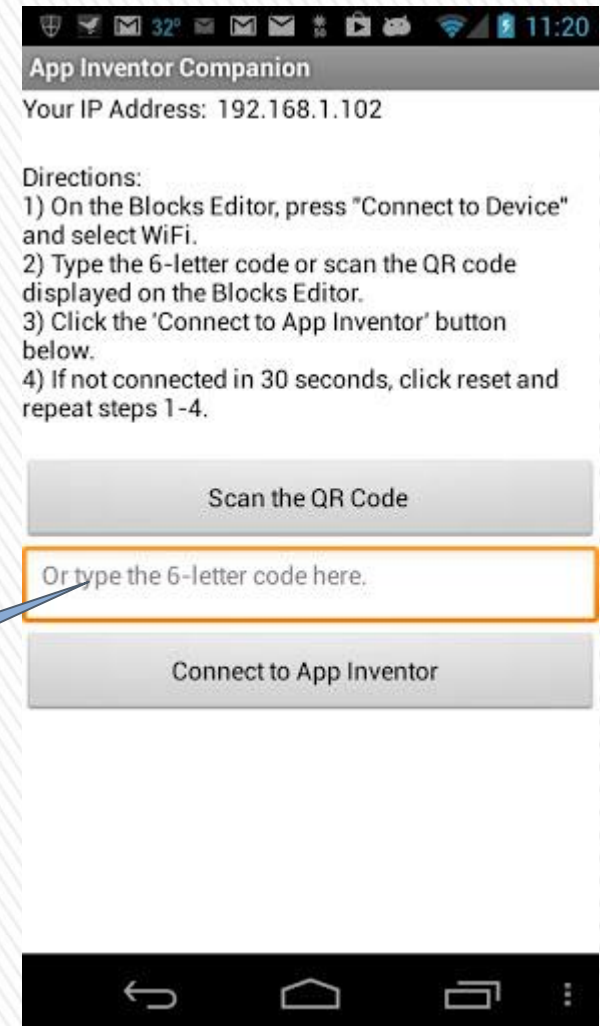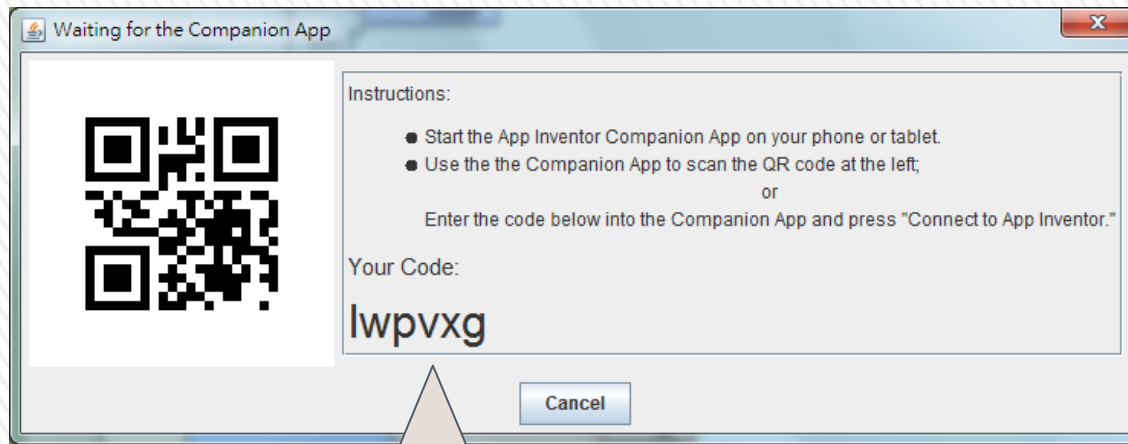» `http://appinventor.mit.edu/download/`

1. How does it work? ›

2. How does it work?

3. How does it work?

Waiting for the Companion App

Instructions:
- Start the App Inventor Companion App on your phone or tablet.
- Use the the Companion App to scan the QR code at the left;
  or
  Enter the code below into the Companion App and press "Connect to App Inventor."

Your Code:

lwpvxg

Cancel

App Inventor Companion

Your IP Address: 192.168.1.102

Directions:
1) On the Blocks Editor, press "Connect to Device" and select WiFi.
2) Type the 6-letter code or scan the QR code displayed on the Blocks Editor.
3) Click the 'Connect to App Inventor' button below.
4) If not connected in 30 seconds, click reset and repeat steps 1-4.

Scan the QR Code

Or type the 6-letter code here.

Connect to App Inventor

Enter the pass code to "MIT AICompanion"
or
It works with your Barcode scanner also!

lwpvxg

3. How does it work?

Your Apps will be shown on your screen

» Not an official release!

» [Download](#) App Inventor Setup software package

» Click through the steps of the installer AppInventor_Setup_Installer_v_1_2.exe

» [Download](#) zip file from Google forum

Standalone machine

» https://sourceforge.net/projects/ai4a-configs/files/V1.4.6/

Download Link

Standalone machine