

ICSP

AppInventor
Lecture 1

Outline

- Introduction
- Installation
- AppInventor and Scratch

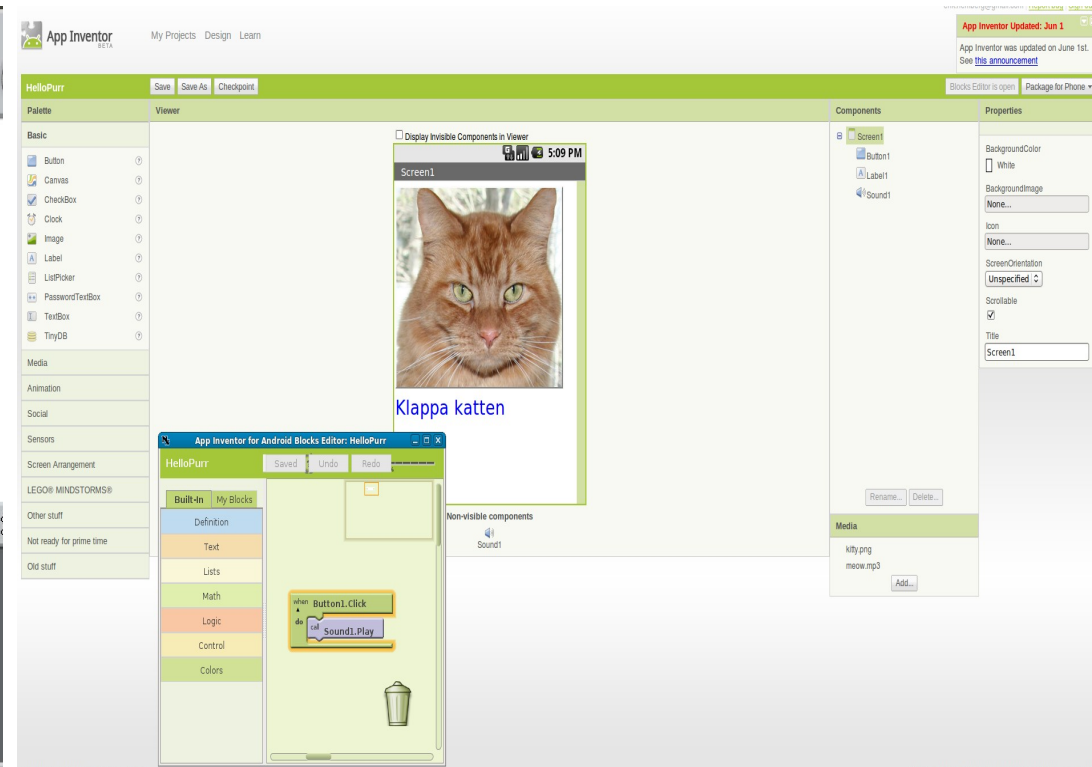
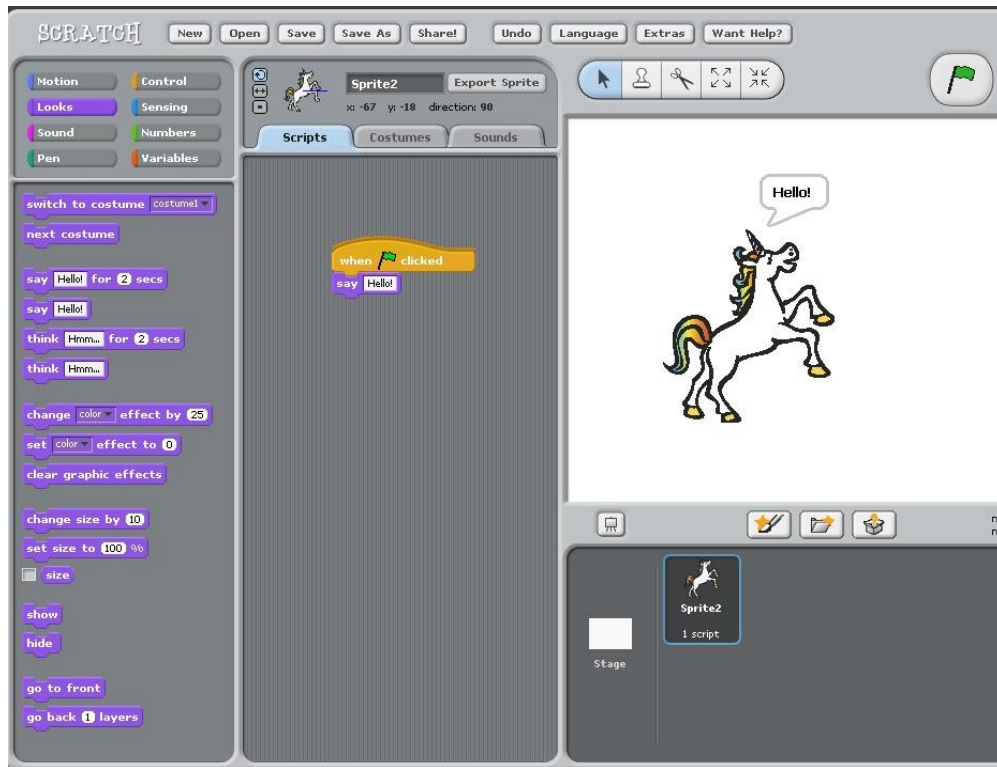
Introduction

- What is AppInventor?
 - Software for creating Android programs
 - Uses an emulator for testing Android programs
- What is Android
 - Software used on Mobile phones, it is Open Source, licensed to grant the right of users to use, study, change, and improve its design through the availability of its source code.
 - Developed by Google, Operating System, Middleware and Applications
 - Based on the Linux kernel, a bridge between applications and the actual data processing done at the hardware level.
 - Linux is free ("think of free as in free speech, not as in free beer") and open source software (GPLv2)

Installing AppInventor

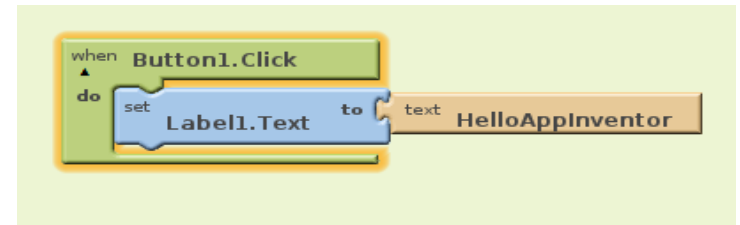
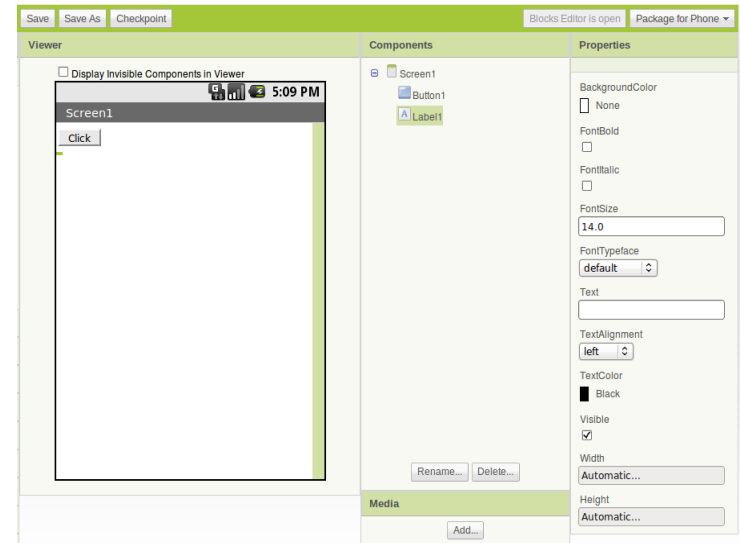
- AppInventor
<http://appinventor.googlelabs.com/learn/setup/>
- Java 1.6 <http://www.java.com/en/>
- Google Account
<https://www.google.com/accounts/NewAccount>

AppInventor and Scratch



Hello AppInventor

- Add button – Label “Click”
- Add text – Label “”
- Create blocks –
Button1.Click, Label1.Text,
Text “HelloAppInventor”
- Click “New emulator”
- Click “Connect to device”



Hello AppInventor

- Extend “Hello AppInventor”
 - Add image to the button
 - Add sound to the button
 - Change layout
 - ...