App Inventor Workshop

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Robo Raiders #7129

Outline:

- Introduction
- Summarize and compare Android Studio to App Inventor
- How to build a basic teleop using FTC App Inventor walks through
- Answer questions as they apply to specific steps and usage

The following links walk step by step through the process of downloading and using App Inventor for FTC.

Instructions for App Inventor:

Go to: http://frc-events.usfirst.org/2015/ftcimages

Download Installation Guide: FTC_AppInventor_Local_(win or mac)_v0_07

This walks through installing app inventor with the Virtual Machine and how to build a basic app.

Step by step guide to building FTC robot controller app: FTC__AppInv_Training_v0_07

NOTE: The one thing that this didn't cover was on page 18. The UsbScanTimeInSeconds box under FtcRobotController1 properties must be changed to 2 for the app to work.

Download robot controller App Inventor file:

https://drive.google.com/folderview?id=0B0z7bZfPuXgQfk1XRV9KaVR3V29pc0VFTGJzc0Q1NmRmdmJu
MDNVNW1DeDFtenhKZDVON3M&usp=drive_web&tid=0B0z7bZfPuXgQflZJUXpmczU4VTVUWkp5eWRE
Uk1EUVdTVWdzRG5BZXh4UGRHUDE5ZWFORFE

This is the pre-made demo robot controller app. It includes op modes for testing one motor and one servo.

App Inventor Forum:

http://ftcforum.usfirst.org/forumdisplay.php?160-MIT-App-Inventor

This is a great resource for getting your questions answered.