

I Have a Dream – ANDROID APP

Prerequisites & Discussion of using AppInventor

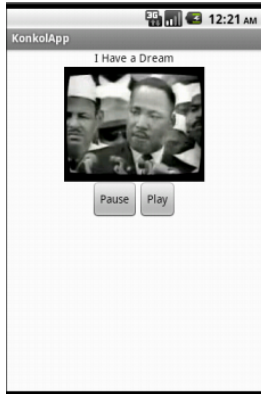
- 1) Gmail
 - Use Existing Gmail
 - Setup New Gmail @ <http://gmail.com>
- 2) Download Video of Martin Luther King Speech.
<https://www.dropbox.com/s/m9dmq6x6wzxr9z5/mlk.3gp>
- 3) Open Chrome Web Browser
- 4) Copy/Paste Below URL into Chrome web browser and Load
<http://appinventor.mit.edu/explore/get-started>
- 5) Go over setup instructions. We will use option #2
- 6) Go over designer and blocks editor overview

Create App

- 1) In Chrome web browser, go to: <http://ai2.appinventor.mit.edu>
- 2) Login with your Gmail username and password and give Google access to App Inventor
 - a. Screen will show up (see below)
 - b. We are using the second option: Android Emulator (Software already installed on Macs)
 - c. Click **Continue**



- 3) Click on below example of app we are creating (should open in Chrome web browser)
<http://ai2.appinventor.mit.edu/?galleryId=6598511221538816>
- 4) Once open click **Open the App** button
- 5) Test: Click **Connect > Emulator**
 - a. Wait until Emulator fully loads
 - i. If asked to update, allow
 - ii. After update or if emulator hangs goto **Connect > Reset** then **Connect > Emulator**
 - b. Click **Play** and let play MLK clip



- c.
- d. Click **Pause** and clip will stop
- 6) Click on **Blocks** and we will go over blocks
- 7) Done with looking at example app
- 8) Click on **My Projects**
- 9) Click **Start New Project**
- 10) Name the project: **IHaveADreamYOURLASTNAME**
- 11) Rename **Title** to: **YOURLASTNAMEApp**
- 12) Add **TableArrangement**
 - a. 1 Column
 - b. 3 Rows
- 13) Click on Components: **Screen1**
 - a. Center Screen
 - b. AlignmentHorizontal > Center
 - c. Choose **Backgroundcolor** of your choice
- 14) Add **Label** in **TableArrangement**
 - a. Rename **Text** property to **I Have A Dream**
 - b. TextAlignment: **Center**
- 15) Add **VideoPlayer** to **TableArrangement**
 - a. Click **Source**
 - b. Select **Upload > Choose File > mlk.3gp > Choose**
 - c. Select **Ok**
- 16) Add **HorizontalArrangement** to **TableArrangement**
- 17) Add 2 **Buttons** to **HorizontalArrangement**
 - a. Rename left button to: **btnPause**
 - b. Rename **Text** property to **Pause**
 - c. Rename right button to: **btnPlay**
 - d. Rename **Text** property to **Play**
- 18) Select **HorizontalArrangement** and align center
- 19) Click on **Blocks**
 - a. Have **btnPause** button pause movie
 - b. Have **btnPlay** button start movie
- 20) Save: **Projects > Save Project**
- 21) **Test in simulator**
 - a. Test **Play**
 - b. Test **Pause**
 - c. Do screenshot of App (Shift + Command + 4) then click and drag over app in simulator. This will save to Desktop

22) Publish & Share App

- a. Click **My Projects**
- b. Select **Checkbox** to the left of your project
- c. Type in Description: This app was created for Hour of Code at Rock Valley College
- d. Upload Screenshot
- e. Select **Publish to Gallery**
- f. Click **Share** to get URL of project to share
- g. Wait for Number from Prof Konkol
- h. Follow link below, Find a number not used, Type Full Name along with URL to Android App

<http://www.writeurl.com/text/o4mx7ey03dbto617yr9s/9hmleh9kjup9p4ktrvto/u4doqy0iocacvfwgl11j>

23) CONGRATS! YOU HAVE COMPLETED THE HOUR OF CODE!

Find more “Hour of Code” tutorials at <http://rvchourofcode.com>

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