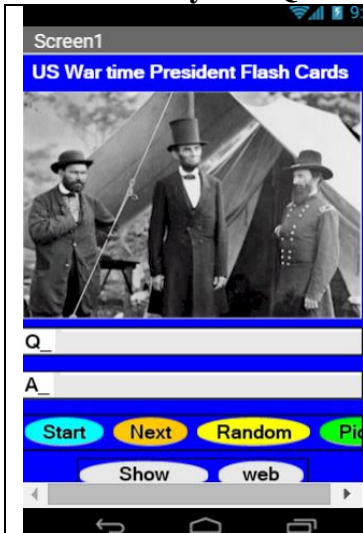


## Lab 7 Study and Quiz Flash Cards (Sites) by Nathan Chao



Use spacers after every line.

A great way to learn factual subject matter.

This app is all completed for you. Download source code from BB and your main task is to change all the lists to your own (no student can have same topic or list materials. You cannot use the same Q and A from the downloaded app) Subject can be from history, literatures, celebrities, sports, science etc. as long as a **relevant image, fact and site can be associated meaningfully with it.**

Also since you are already given all the block, you can start working on the lab report immediately.

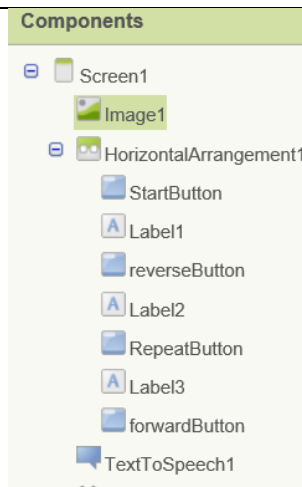
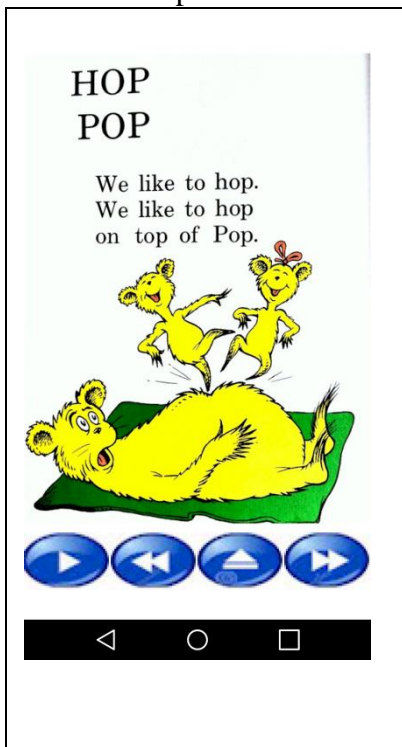
This report is due absolutely the next time we meet with no excuse or any credit given to a late report for Lab 7.

Working demo with all your own materials should also be shown next time class meets.

Extra credit given if you can use timer to automatically advance questions after delay of 5 sec. The apk for both regular and autoanswer versions of this app can be downloaded from blackboard.

## Lab 8 Kiddie Reader or Talking Comic Book

This app is a self reading storybook or comic which a kid learning to read can associate words with sounds. Download apk file for this Lab from BB to see how it is designed and how it works.



You will need to gather on your own from the web or create your own comic picture with words. You will need to create at least 4 different pages.

The most important requirement of the images you get from internet or create on your own is that the font size has to be large enough for a child to see easily.

**If the text on your images is smaller than equivalent default 14 font size of app inventor, you will not get a check for the demo even if the app works properly.**

**All students must have different content.** Your grade will depend on quality of content

This app should be constructed by using similar function blocks from Lab 7. The Start, Next, screen initialize blocks are all the same with just different lists. All you need are 2 lists for this app, Image and matching text.

Use Backpack to move similar blocks from Lab 7 to lab 8 and then modify the blocks content to suit the purpose of this simpler app.

Find and download your own key symbols for Start, Back, Repeat and Next as shown in screenshot.

You do need to create your own repeat button block and Backbutton block.

The repeat is real simple, you just use the existing listnumber without increase or decrease and then do text to speech. The reverse button simply subtract 1 instead of adding 1 like Next and then making sure the page is not less than 1. If it gets to be less then 1 then make it back to 1.