

Lab 3: AppInventor Mobile Development & Business Processes

Start Assignment

Due Tuesday by 11:59pm **Points** 10 **Submitting** a file upload
Available Jan 8 at 12am - Feb 9 at 11:59pm

AppInventor Mobile Development

Individual Assignment

This lab teaches you how to build one business process and mobile app.


Estimated Time: 3 Hours

LAB VIDEO [[HERE \(https://utah.instructure.com/courses/941136/pages/app-inventor-lab-video\)](https://utah.instructure.com/courses/941136/pages/app-inventor-lab-video)]

OBJECTIVES:

1. Help students learn designing a simple business process or work flow.
2. Provide a hands-on experience for students to learn developing a simple mobile app using Android OS.
3. [EXTRA CREDIT] Learn to test the app using an Android device.

PROCEDURES:

1. Create a Google Account if you do not have one.
2. Download this PDF ([app-inventor-lab.pdf \(https://utah.instructure.com/courses/941136/files/157421888/download?wrap=1\)](https://utah.instructure.com/courses/941136/files/157421888/download?wrap=1)).
3. This lab consists of 1 mobile app you need to create: the 'BOO' app.
4. Create a new folder where you can find it easily. Download and unzip the following files ([app-inventor-files.zip \(https://utah.instructure.com/courses/941136/files/157421844/download?wrap=1\)](https://utah.instructure.com/courses/941136/files/157421844/download?wrap=1)) 

(https://utah.instructure.com/courses/941136/files/157421844/download?download_frd=1) into your new folder.


5. Follow the instructions in the PDF.

6. [OPTIONAL] You have 2 options to set up live testing while building the app.

1) Use an Android phone/device **INSTRUCTIONS** 

(<http://appinventor.mit.edu/explore/ai2/setup-device-wifi.html>) (recommended)

2) Install the emulator (Windows or Mac) **INSTRUCTIONS** 

(<http://appinventor.mit.edu/explore/ai2/setup-emulator.html>) (For the Mac people, you may get a 'App can't be opened because it is from an unidentified developer' warning. If you do, read how to get around this here <http://bit.ly/1clJX17>) 
(<http://bit.ly/1clJX17>)).

In this lab we will use option 1 which requires you to have an Android device (highly recommended). If you do not have an Android device, find a friend who has one. Believe me, this is the best and easiest option.

SUBMISSION:

1. Create a business process/work flow diagram (from the application perspective) in a Word doc. **What is a business process/work flow diagram?**

(<https://utah.instructure.com/courses/941136/pages/business-process-example>)

2. Take 4 screenshots/pictures of 'Designer' viewer and 'Blocks' viewer.

3. Add the 4 screenshots/pictures to the Word doc.

4. (2 PTS EXTRA CREDIT) Take a video of your app running on a phone or emulator.

5. Upload word doc and video to canvas. DO NOT share your work. This is considered cheating.

Late submission is accepted for 1/2 credit up to 3 days late.

Any questions, please do ask.

RUBRIC:

Score is based on completion and accuracy.

Lab 3 Rubric			
Criteria	Ratings		Pts
Business Process	2 pts Full Marks	0 pts No Marks	2 pts
Designer View Screenshots	4 pts Full Marks	0 pts No Marks	4 pts
Blocks Viewer Screenshots	4 pts Full Marks	0 pts No Marks	4 pts
			Total Points: 10