APSC 1001

Thunkable App Development Environment – (In)Activity Alert

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Photo: Kartik Bulusu

Build a (In)Activity Alert App - Motivation

Bill Hammack (i.e. The Engineer Guy): How a Smartphone Knows Up from Down (accelerometer)



Source: https://youtu.be/KZVgKu6v808

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How to stay active during the COVID-19 quarantine?

Take short active breaks during the day.

- Short bouts of physical activity add up to the weekly recommendations
- Dancing, playing with children, and performing domestic chores such as cleaning and gardening are other means to stay active at home.

Stand up.

- Reduce your sedentary time by standing up whenever possible.
- Ideally, aim to interrupt sitting and reclining time every 30 minutes.

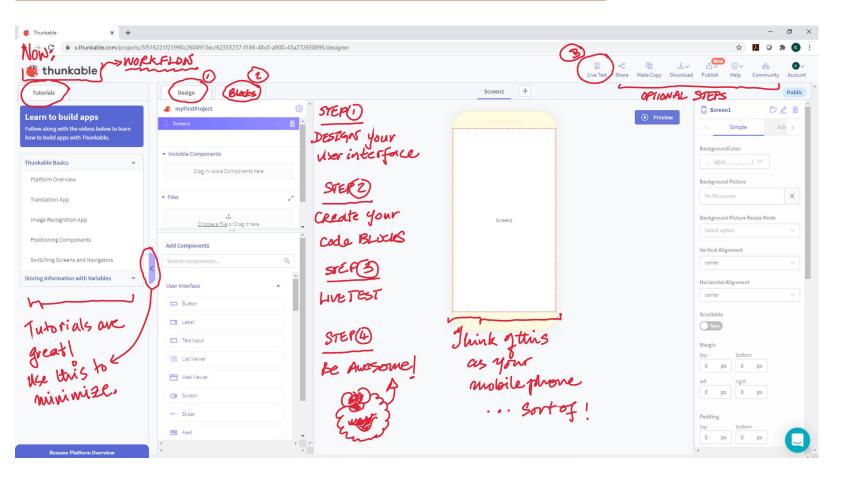
Walk.

- Even in small spaces, walking around or walking on the spot, can help you remain active.
- If you have a call, stand or walk around your home while you speak, instead of sitting down.
- If you decide to go outside to walk or exercise, be sure to maintain at least a 1-meter distance from other people.

Source:

https://www.euro.who.int/en/health-topics/health-emergencies/coronaviruscovid-19/publications-and-technical-guidance/noncommunicablediseases/stay-physically-active-during-self-quarantine

Build a (In)Activity Alert App - Goals



Goals:

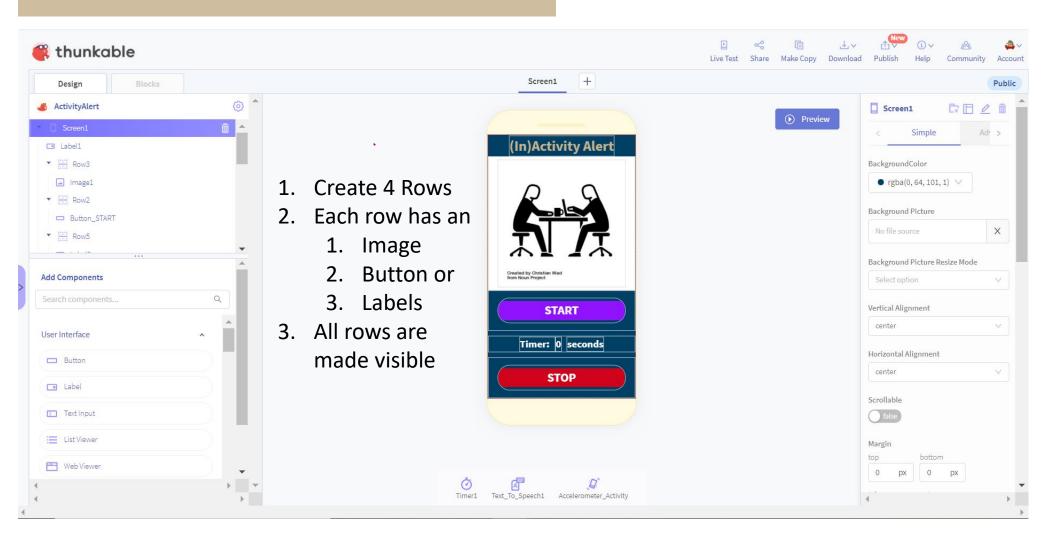
- 1. Create a UI with
 - i. Timer
 - ii. Text_to_Speech
 - iii. Image
 - iv. Start Button
 - v. Stop Button
 - vi. Labels
- 2. Create CODE BLOCKS for
 - i. START Button
 - ii. Accelerometer
 - iii. Timer
 - iv. Stop Button
 - v. Label, Text and Speech

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Step 1: Create the User Interface (UI)



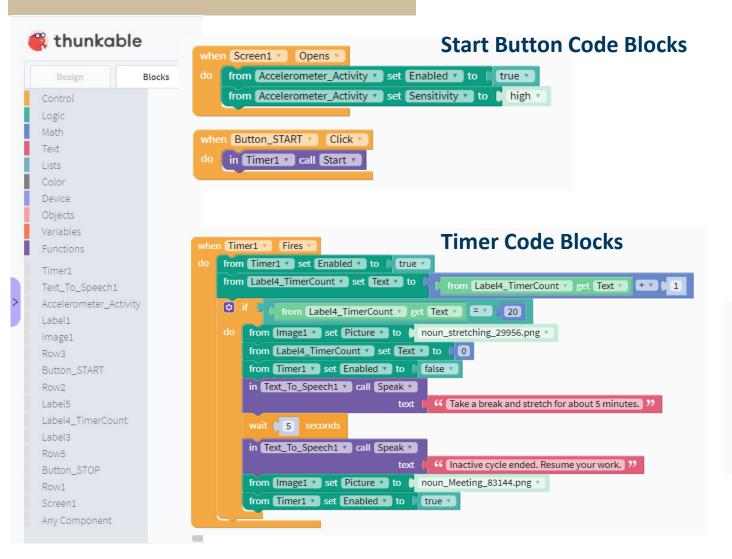
GWU Buff Color: R:200 G=177 B=139 A=100

Ghy Blue Color: R=0 G=64 B=101 A=100

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Step 2: Create CODE BLOCKS

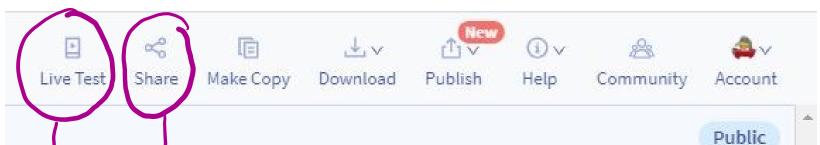


Stop Button Code Blocks

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Step 3: Live Test



1. Will help in creating a showeable weblink that you can use to submit your assignment 2 And share it with anyone who is a we some.

1. Will give you a clear and clean working version of your App and

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2. Willtest the same version outhunkable Live installed on your mobile phone.

Prof. Kartik Bulusu, MAE Dept.

APSC 1001 (Fall 2020)

Introduction to Engineering for Undeclared Majors