

# User Manual for ShakeDetection Android App

MOBILE APP DEVELOPMENT

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## Introduction: Welcome to ShakeDetection app

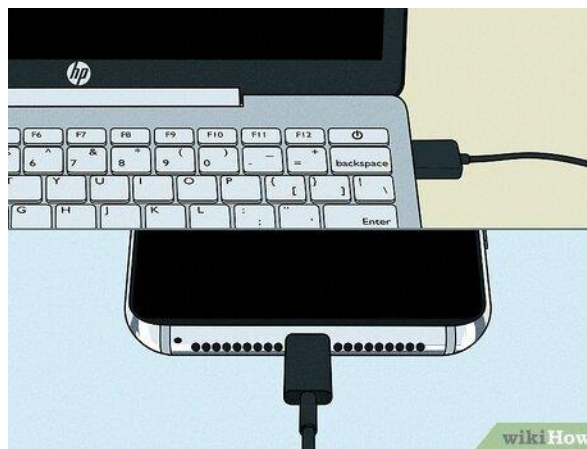
**The Shake Detection App uses the phone's accelerometer Sensor to detect shaking motion. Each shake is counted and the total of the shakes is displayed on screen in a time window of 5 seconds. It can be used as simple interactive mini game and I developed this app as my final project for the Mobile Application Development course.**

# Getting Started

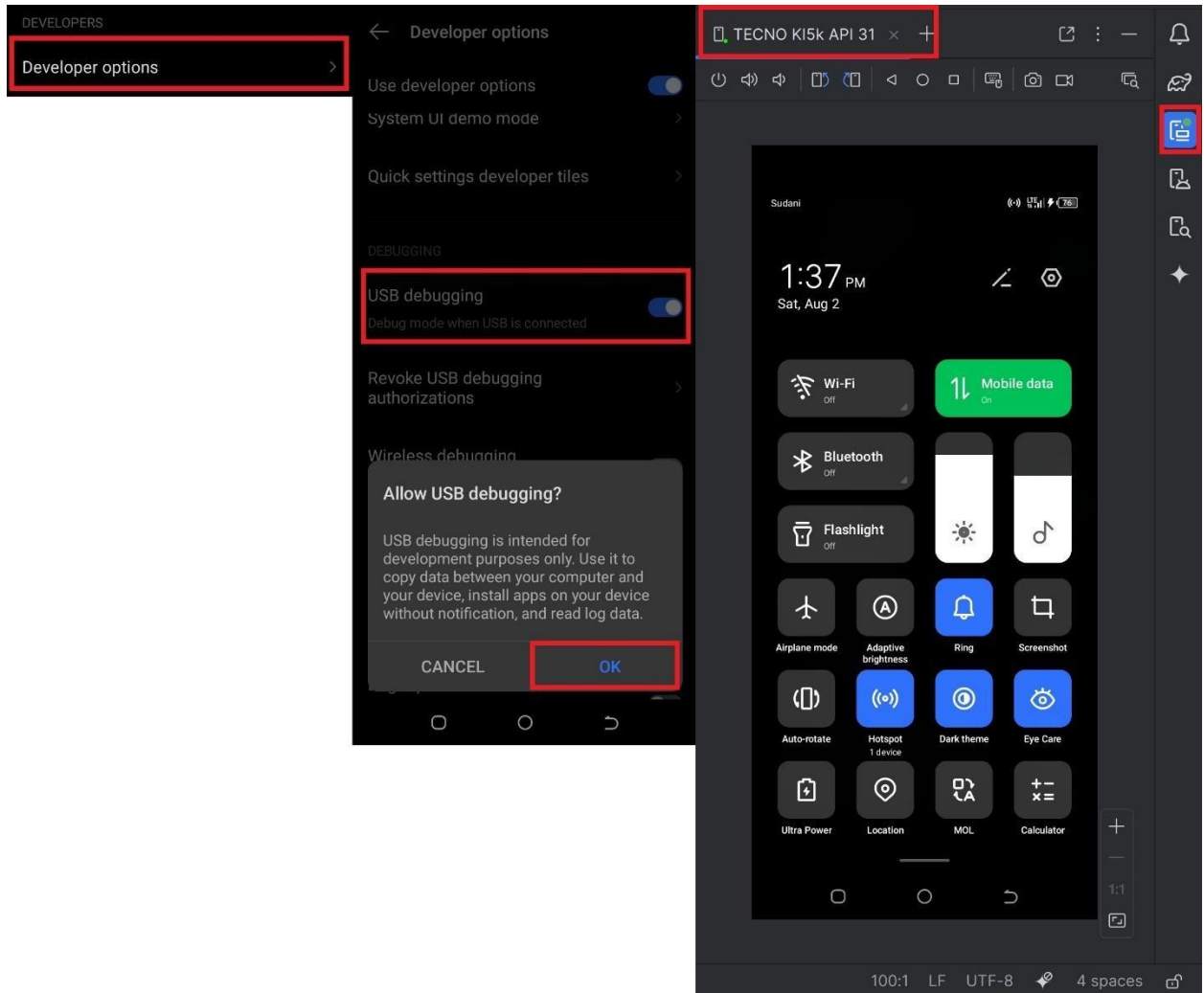
## Installation

### Option A: Use Android Studio to Install the app

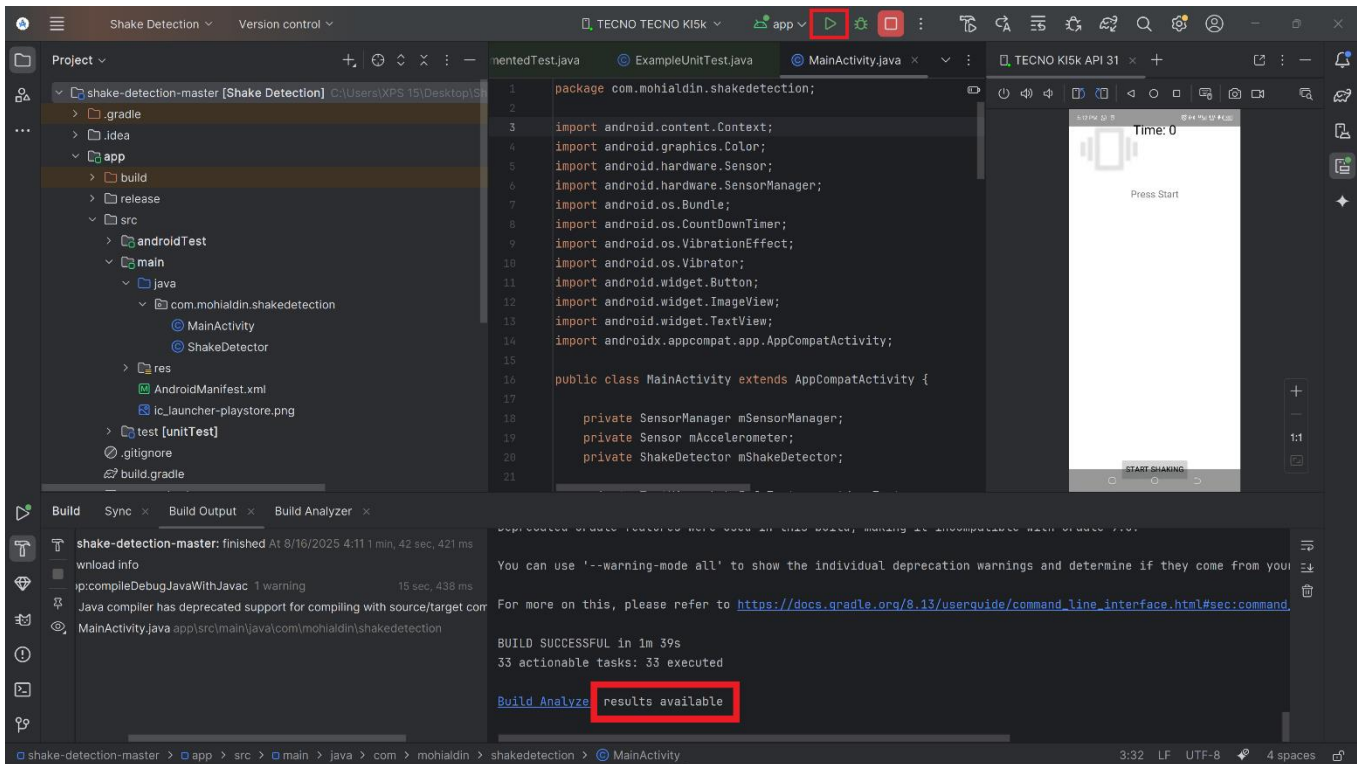
#### - Connect Your Android Device:



- Enable Developer Options and USB Debugging on the phone:  
If it's not already Enabled? Just Go to your Phone **Settings > System > About phone > Tap "Build number" seven times**, and you'll get notified that Developer Options is Now Enabled.
- Connect your device using USB and make sure it appears on the Device list.

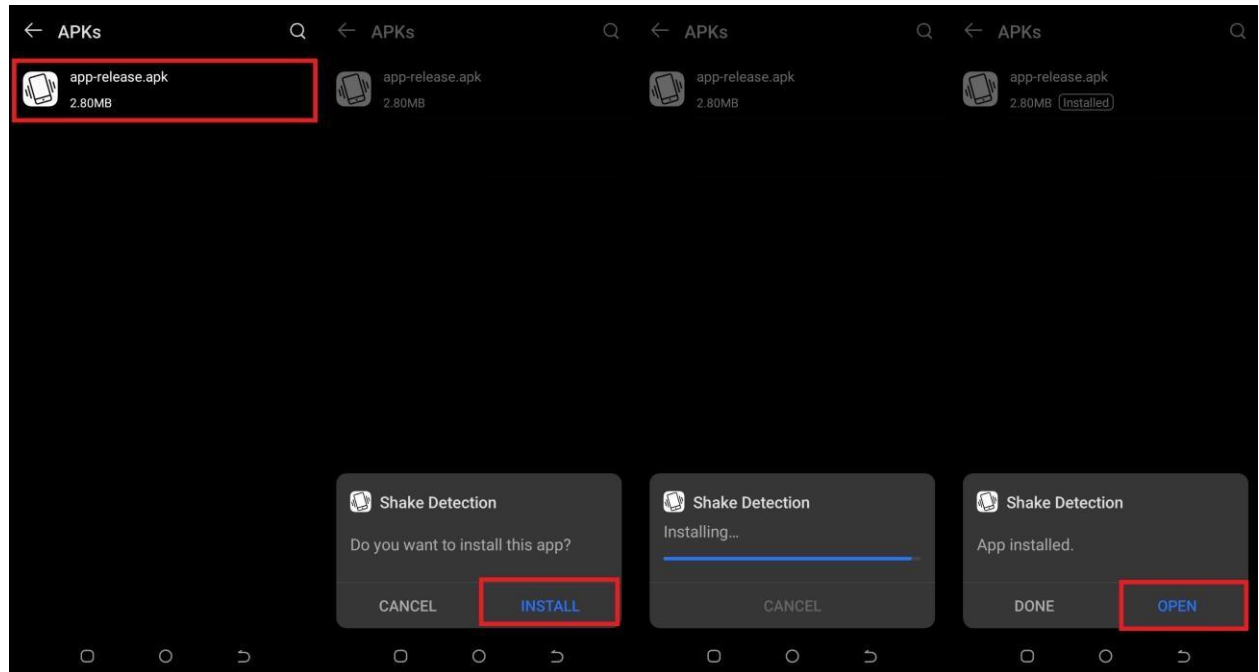


- **Open** your android studio project > **click** the **Run** button from top > when you see **“results available”** in the build output your App will automatically get launched.



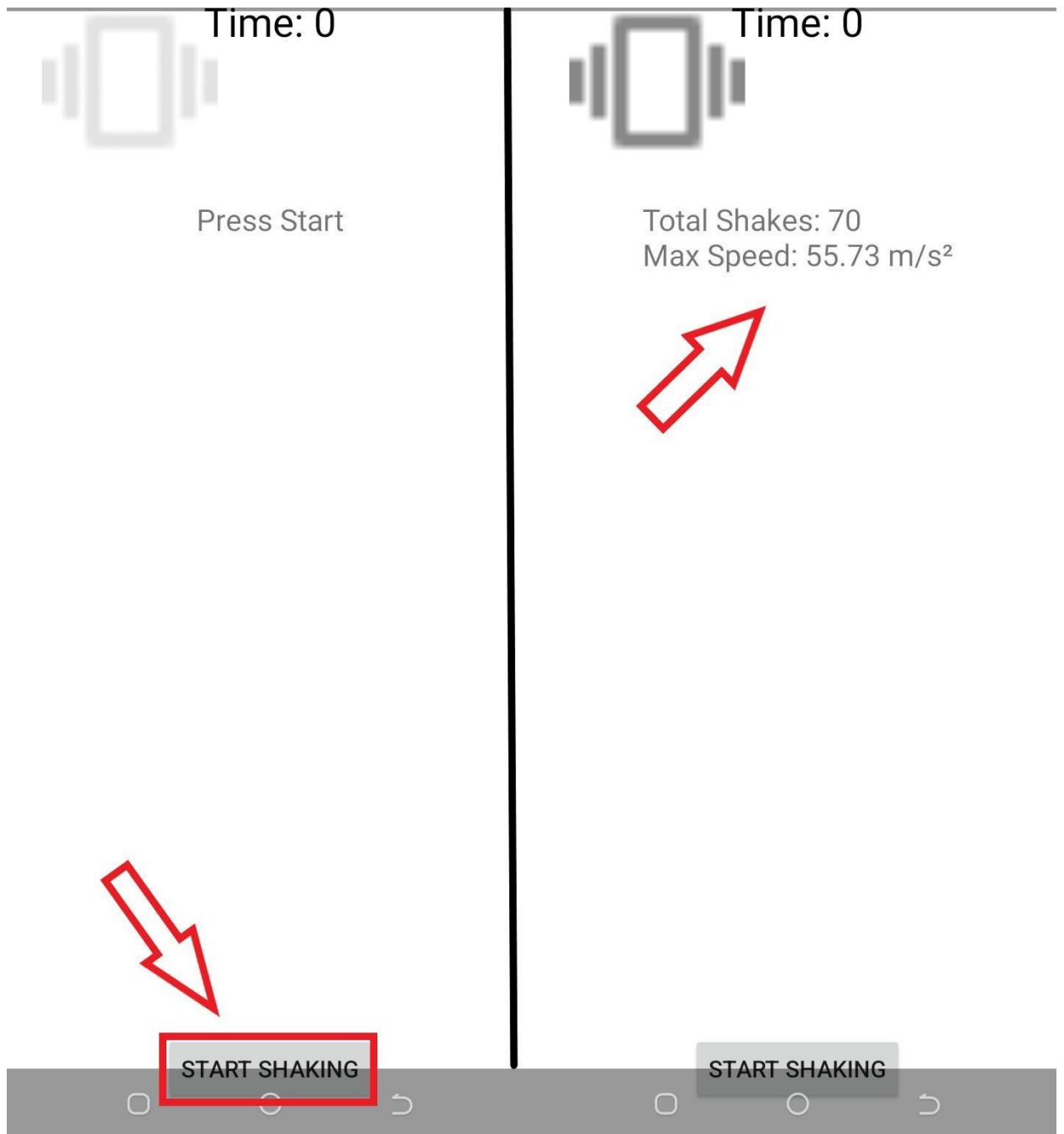
## Option B: Install APK manually

- Build the apk using android studio Building Settings, and then go to phone folders > apks > search and find the apk and then follow the steps on the next provided image.



## How to Use

1. Open the app.
2. Tap **“start Shaking”** and Shake the phone and after five seconds the app will tell the count and the speed of the shakes.
3. Tap **“start shaking”** to start again.



## Features

- Display Shakes **Count** and **Speed**.
- **Vibration**.
- Play again by simply tap **start shaking**

## Troubleshooting

problem	Solution
Shakes not detected	Make sure accelerometer is active
No feedback	Check vibration settings
App crashes	Reinstall

## Safety and Disclaimer

- Do not shake the phone too hard.
- This app does not collect any personal data.
- Use at your own risk, Developer is not liable for hardware damage.