User's Manual

HOME AUTOMATION SYSTEMS
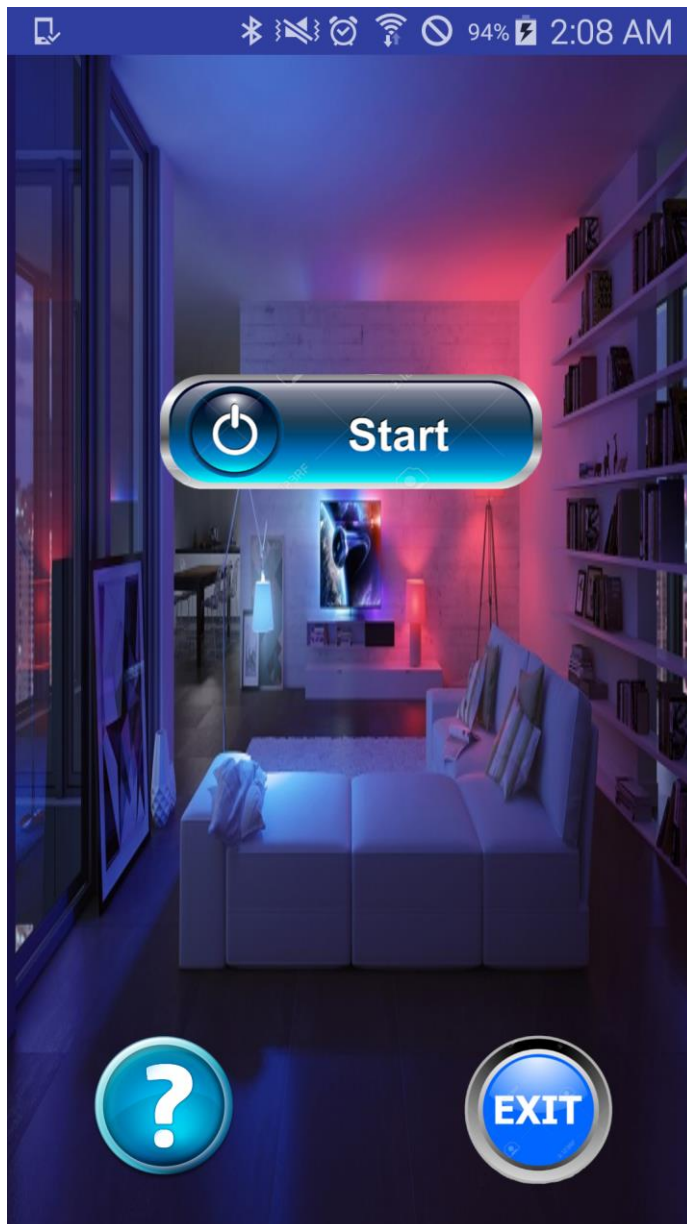AUTOMATION - MONITORING - CONTROL

DESCRIPTION

Automation of the surrounding environment of a modern human being allows increasing his work efficiency and comfort. There has been a significant development in the area of an individual's routine tasks and those can be automated. In the present times, we can find most of the people clinging to their mobile phones and smart devices throughout the day. Hence with the help of his companion – a mobile phone, some daily household tasks can be accomplished by personifying the use of the mobile phone. Home Automation System has been designed for mobile phones having Android platform to automate an 8 bit Bluetooth interfaced microcontroller which controls a number of home appliances like lights, fans, bulbs and many more using on/off relay. This paper presents the automated approach of controlling the devices in a household that could ease the tasks of using the traditional method of the switch. The most famous and efficient technology for short range wireless communication- Bluetooth is used here to automate the system. The system for Android users is a step towards the ease of the tasks by controlling one to twenty four different appliances in any home environment.
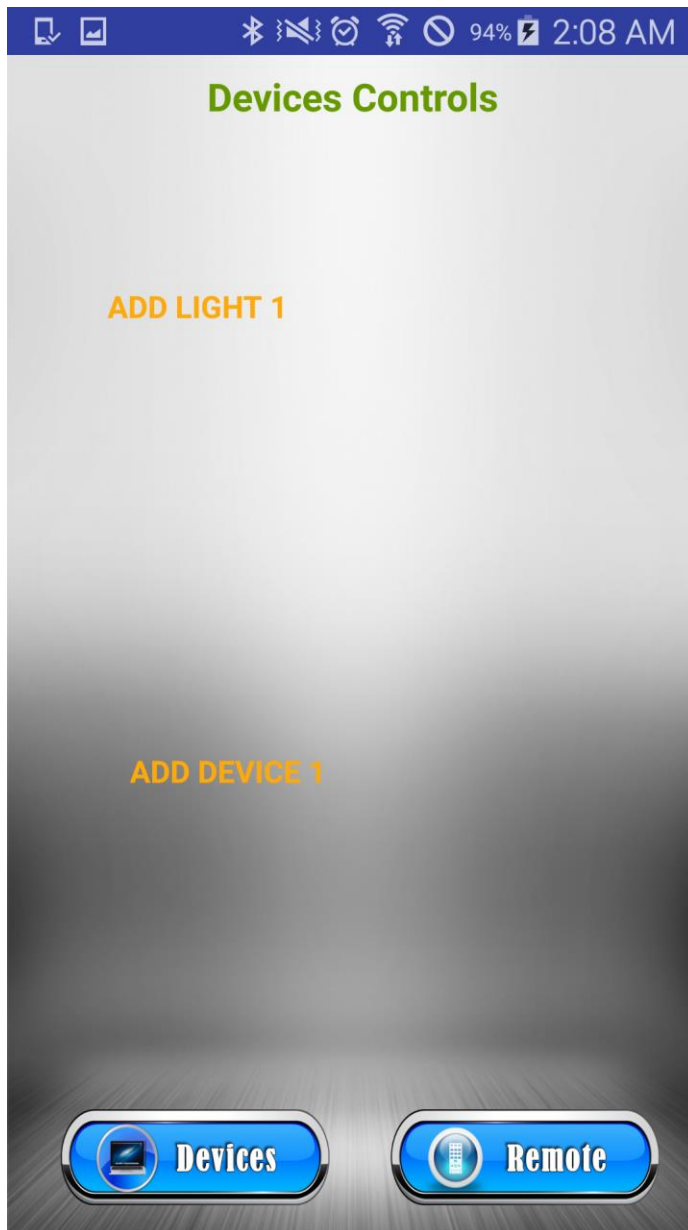
SETUP

After Installation of the APK file, you must first create a devices for first use in order to automate your home.
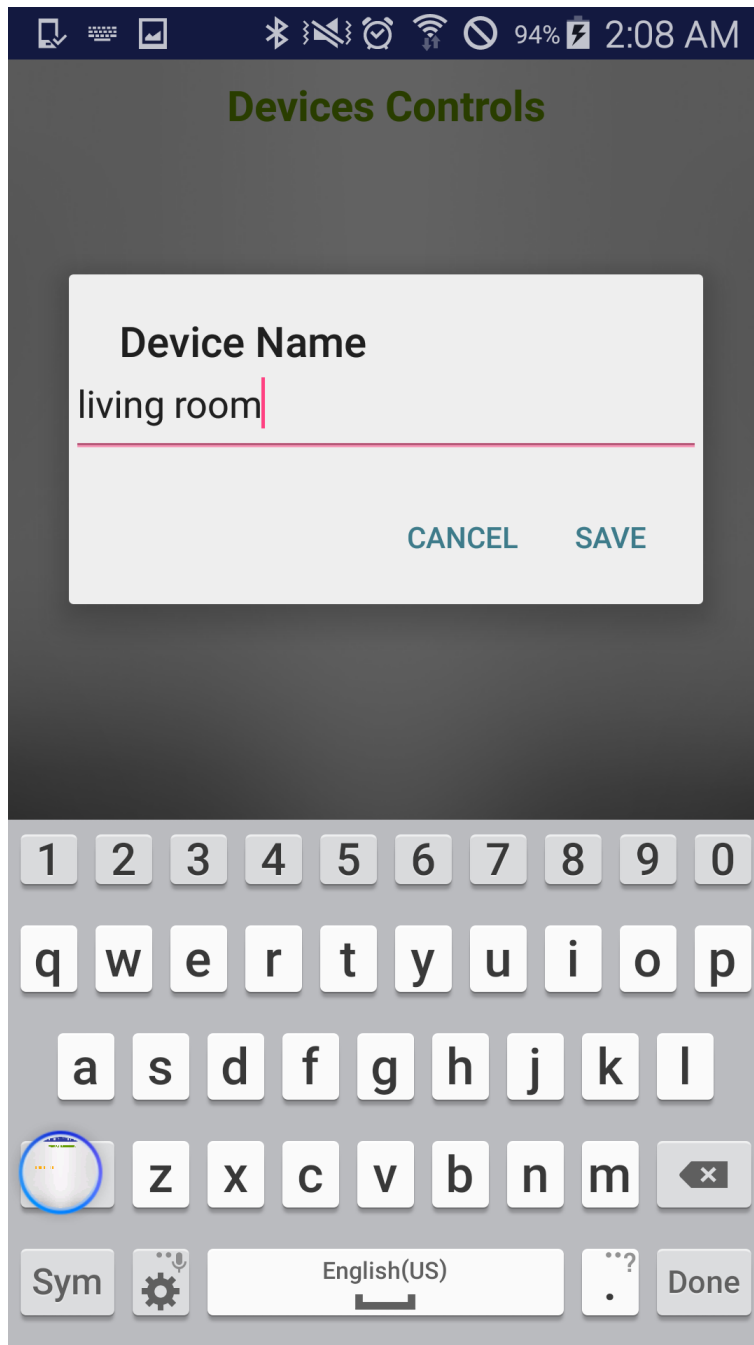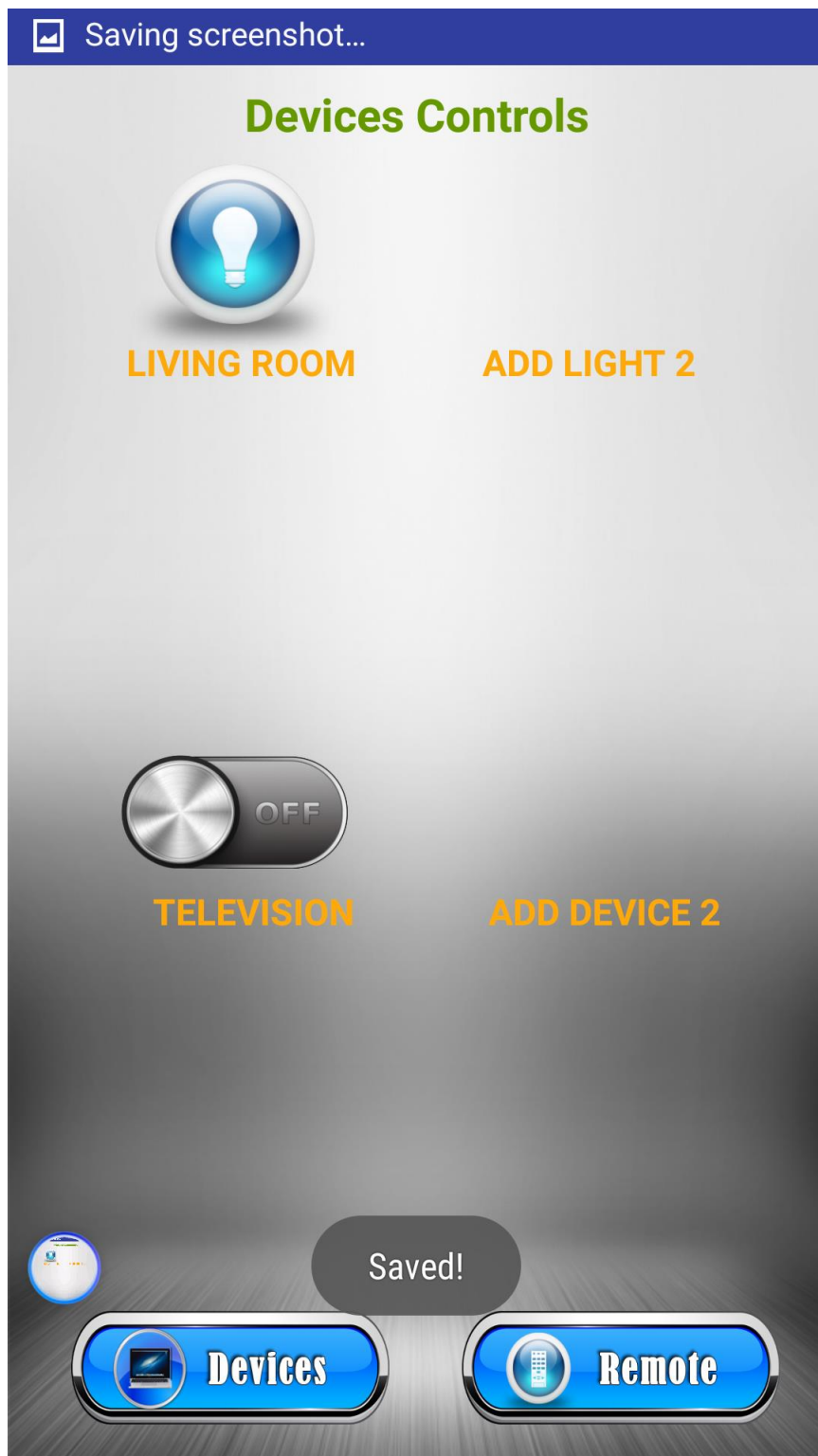
1. Launch the application and click start.

2. Click ADD LIGHT or ADD DEVICE you want to control.

3. Write the device name. And you will see the new devices added immediately.

Devices Controls

LIVING ROOM   ADD LIGHT 2

OFF

TELEVISION   ADD DEVICE 2

Saved!

Devices   Remote

4. After your setup, you can now use your Home Automation Application, just click on the switch you created and it will control your devices. The light indicates yellow as shown in the picture when the light is ON, same with the Devices it indicates a virtual switch that the device is ON or OFF.
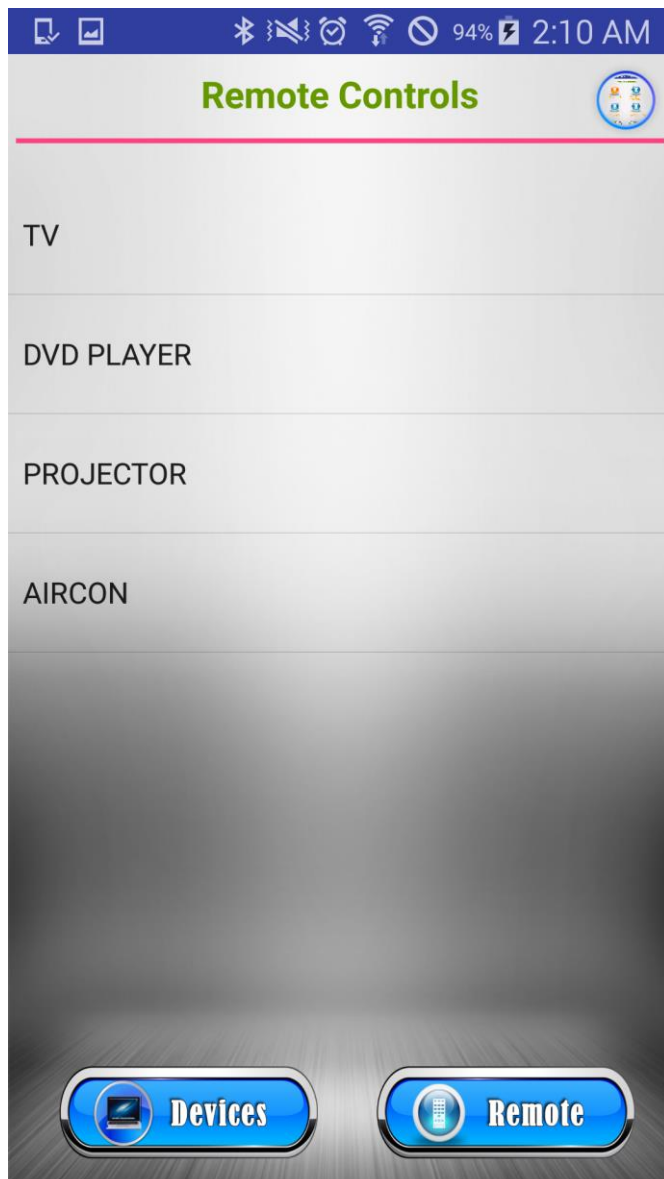
Devices Controls

LIVING ROOM

MASTERS BEDROOM

KITCHEN

COMFORT ROOM

OFF
TELEVISION

OFF
DVD PLAYER

OFF
ELECTRIC FAN

OFF
COMPONENT

💻 **Devices**

📱 **Remote**

Devices Controls

LIVING ROOM

MASTERS BEDROOM

KITCHEN

COMFORT ROOM

ON

OFF

TELEVISION

DVD PLAYER

OFF

OFF

ELECTRIC FAN

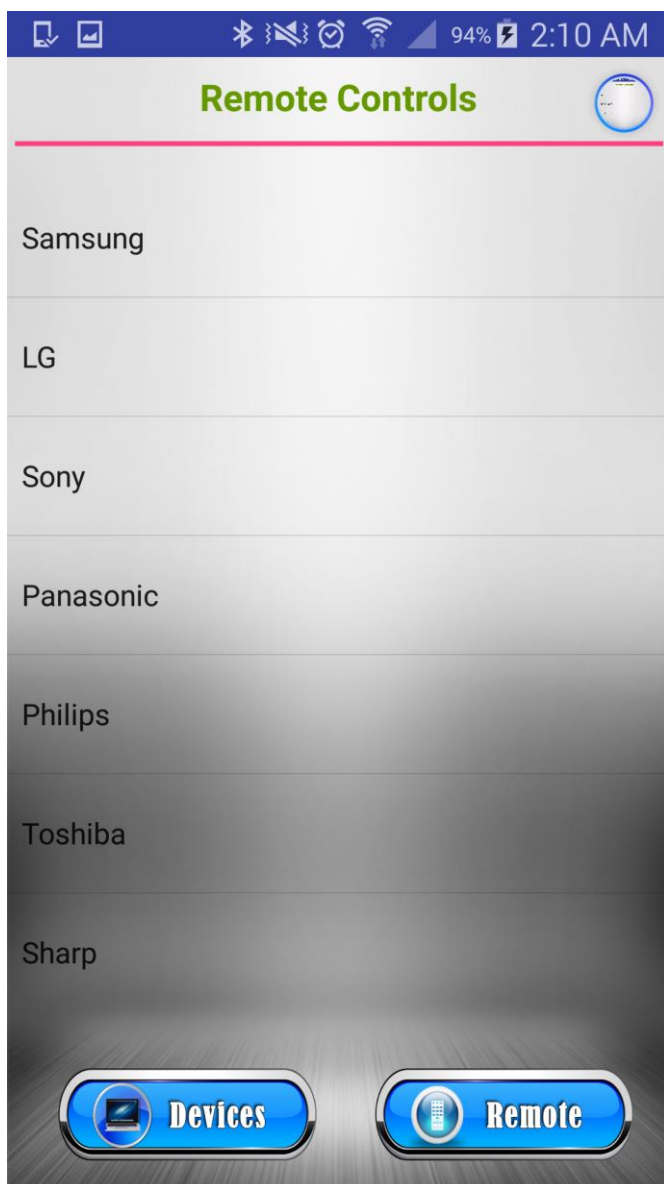**COMPONENT**

Devices

Remote

5. You cannot remove devices once its setup unless you reinstall or clear the date of the application. However you can rename the devices anytime by tapping on the name of the devices.

REMOTE

Using the remote in the application is easy. Just click on the REMOTE button at the bottom and you will be navigated to the list of available devices you can remote. Choose what device you want to remote and select a brand.

Samsung

LG

Sony

Panasonic

Philips

Toshiba

Sharp

Devices   Remote

After selecting your remote will be ready to use. Use the button to navigate the command you want to use. (Note: the remote uses a Bluetooth connection that navigates to the IR sensor of the Device hardware, so you don't need to point your phone into a device you want to remote, you can just easily tap a button and the hardware will auto remote your device.)

Thank you for using our device. Hope you enjoy.

ABOUT US:

Home Automation System

Using Android Application

(build v1.20170405)

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Thanks for using this FREE program. We hope you like it.

If you paid for it, get a refund!

Developer:
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AMA COMPUTER COLLEGE

CAPSTONE