



IOT – Smart Home

Partner Organisation: *CommFront Communications*

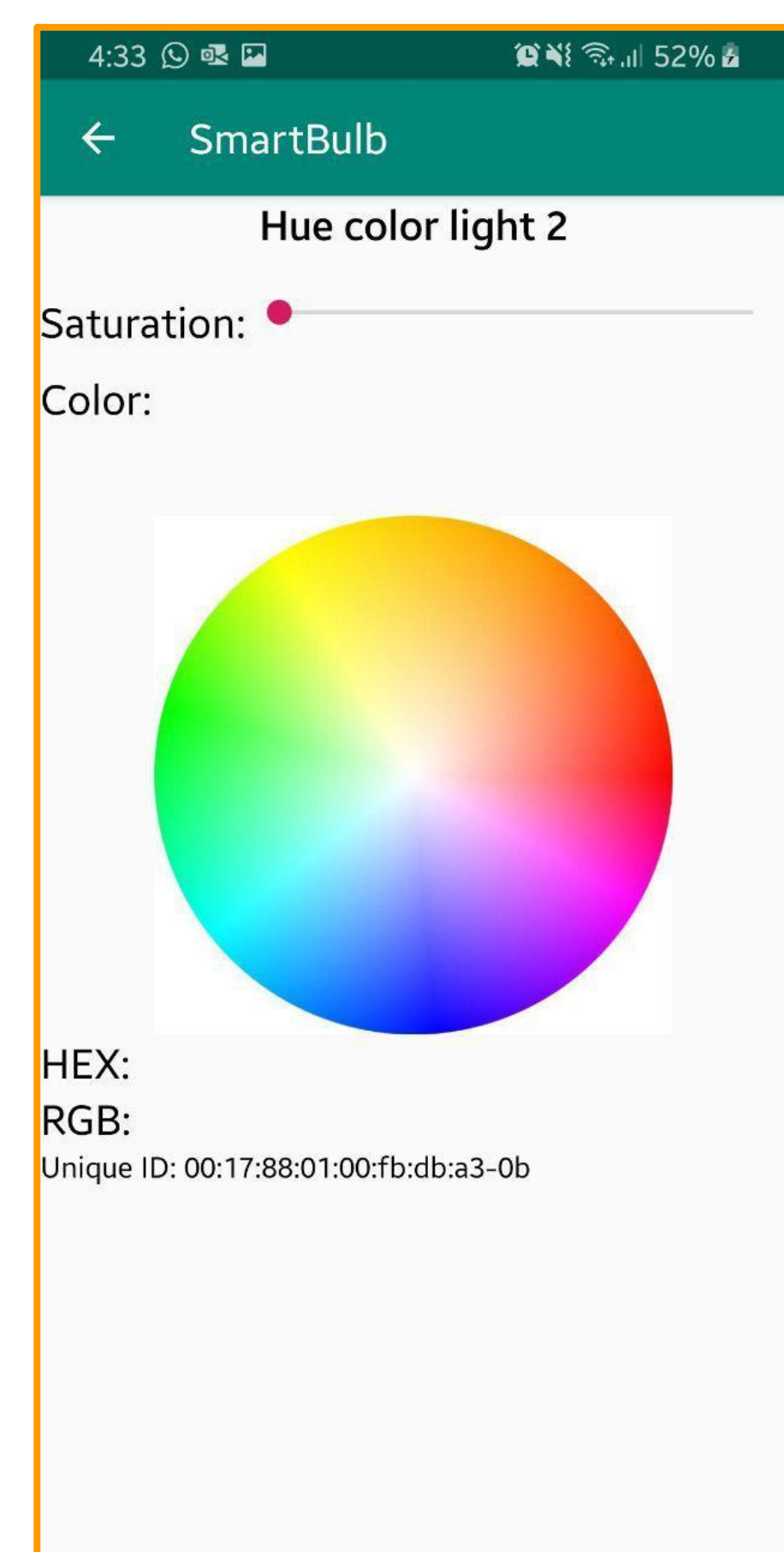
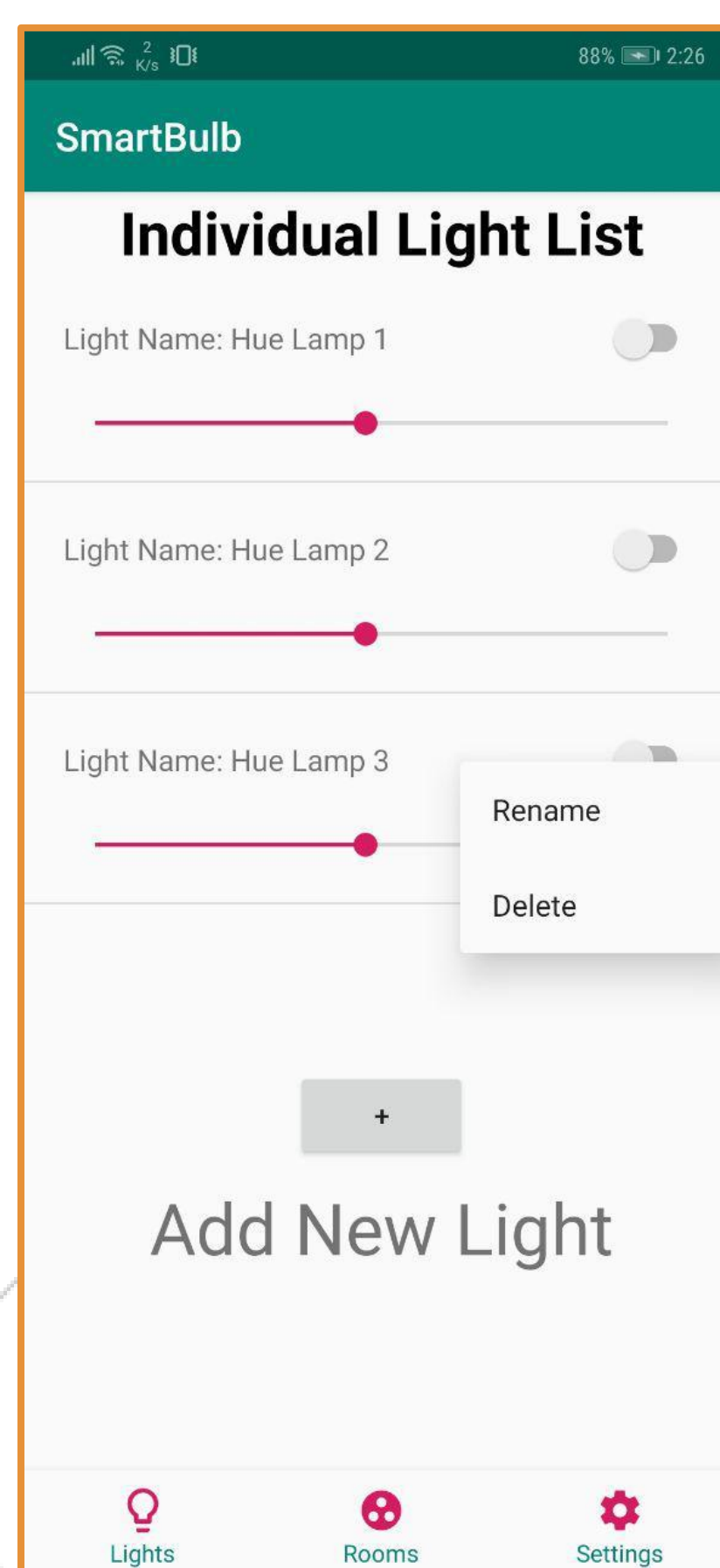
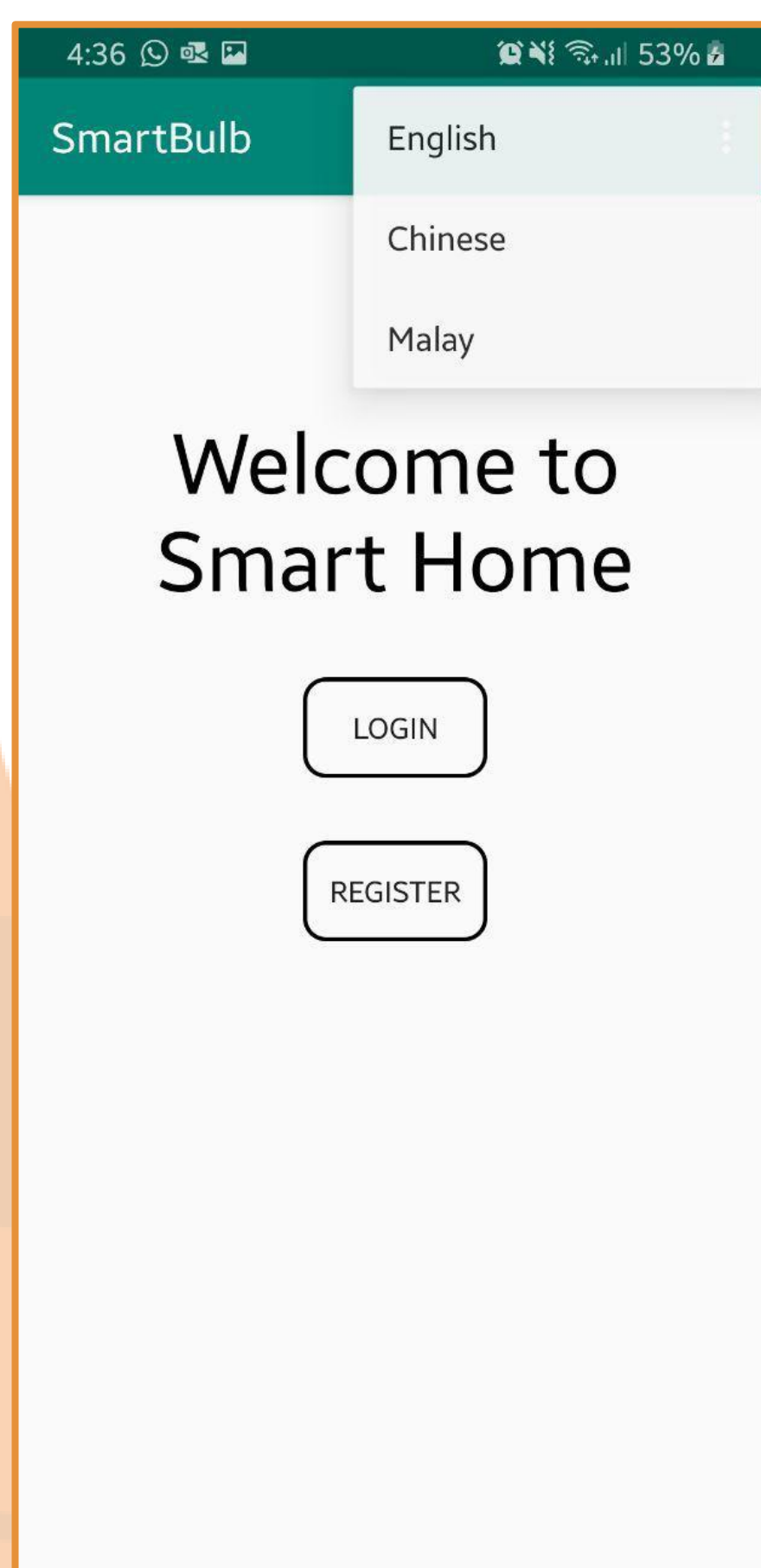
Project Overview

Problem: Many home users tend to forget to turn off the lights before leaving their house, which leads to a wastage of electricity. Once out of their house, there is no easy way whereby they can turn off these lights.

Requirements : Using the Internet of Things (IoT) technologies, users can remotely control their smart devices with a few touches on their smartphones. Consequently it introduces convenience into the daily activities of the users, such as turning off/on the lights in their homes.

Solution: Users are able to remotely control the smart light bulbs through a mobile application, at their convenience. The user needs to have a Philips Hue Starter Kit (Hue Bridge and Philips LED Bulbs) as well as an Android application to control the light bulbs. Through the Internet users allow the Hue Bridge and the Android application to communicate anytime, anywhere.

Technologies: Android Studio, Java, Google Firebase



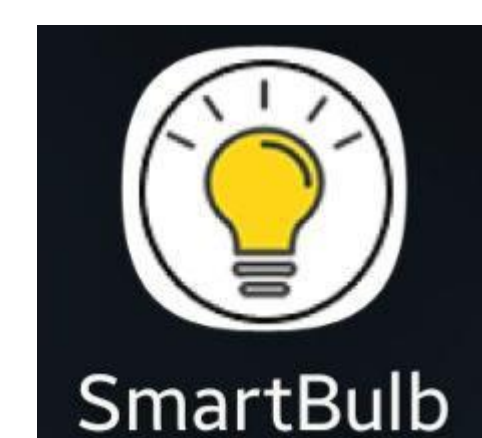
User interface to remotely control their Philips Hue Lights



Team Members

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